# 환자중심 의료기술 최적화 연구사업 데이터 활용 지침서

DB명: 관상동맥 스텐트를 삽입한 환자에서 비심장성 수술 전후의 항혈소판제 투약 유지 및 중단에 대한 비교평가 연구

Version 1.0 (2024. 12.)

**PACEN**

PAtient-CENtered Clinical Research Coordinating Center
환자중심 의료기술 최적화 연구사업단

# 목 차

# Ⅰ. 기본 안내사항

## 1. 사업개요

### (1) 목적

환자중심 의료기술 최적화 연구사업(이하, PACEN)은 인·허가 이후 보건의료 현장에서 사용되는 다양한 의료기술의 효과성·안전성·비용효과성 등 근거창출 목적의 연구자주도 공익적 임상연구를 지원하는 국가 R&D 사업입니다.

PACEN은 전향적 임상연구에서 수집·구축한 임상연구데이터를 지속 활용하여 공익적 임상연구를 활성화하고자 연구 목적에 한하여 임상연구데이터를 공개 및 분양합니다.

### (2) 관계법령

PACEN 임상연구 데이터는 아래의 법률에 의거하여 공개 및 활용됩니다.

> ※ 국가연구개발혁신법 제16조(연구개발성과의 소유·관리)
>   ④ 중앙행정기관의 장은 공공의 이익을 목적으로 연구개발성과를 활용하기 위하여 필요한 경우 연구개발성과를 국가의 소유로 할 수 있다.
> ※ 국가연구개발혁신법 제17조(연구개발성과의 활용)
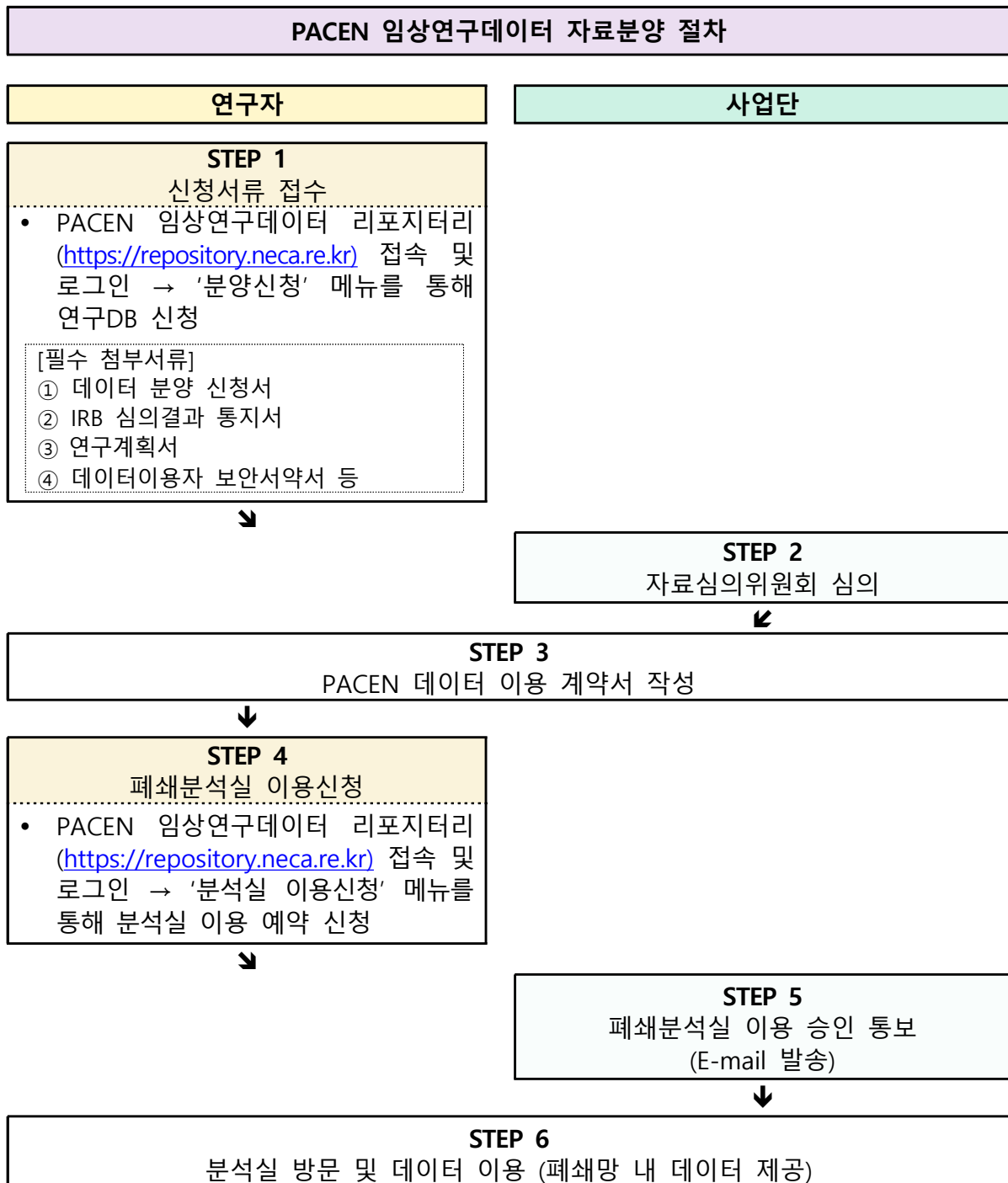>   ④ 중앙행정기관의 장은 연구개발성과의 공동활용을 위하여 필요한 지원을 하여야 한다.

## 2. 비식별화 과정

PACEN 임상연구데이터는 개인정보보호를 위해 '보건의료데이터 활용 가이드라인(보건복지부)'에 의거하여 데이터 유형에 따라 가명처리가 적용됩니다. 데이터 유형별 가명처리 방법의 예는 다음과 같습니다.

| ※ 데이터유형별 가명처리 방법 예시 | |
|---|---|
| 식별자 | 일부 또는 전부를 삭제하거나 일련번호로 대체 |
| 주요인적사항 | 삭제하거나 연구목적 상 유의미한 일부 정보를 발췌하는 방식으로 식별력을 충분히 낮춤 |
| 측정수치정보 | 별도의 조치 불필요. 단, 특이정보 포함 등 필요 시 비식별처리 |
| 자유입력데이터 (문자열) | 전수 또는 키워드 검사 등을 통해 식별 위험성이 있는 정보 일부 삭제 또는 대체 |

# 3. 자료분양 절차 및 유의사항

## (1) 자료분양절차

　PACEN 임상연구데이터는 대학, 국·공립 및 사립병원, 또는 연구기관 등에 소속된 연구자를 대상으로 분양하고 있습니다. 본 데이터는 한국보건의료연구원 자료심의위원회의 심의를 거쳐 제공되며, 심의 후 'PACEN 데이터 이용 계약서' 제출이 필요합니다. 데이터는 한국보건의료연구원 자료분석실 분석전용 PC 내 폐쇄망을 통해 제공됩니다.

| PACEN 임상연구데이터 자료분양 절차 | |
|---|---|
| **연구자** | **사업단** |

| **STEP 1**<br>신청서류 접수 | |
|---|---|
| • PACEN 임상연구데이터 리포지터리 (https://repository.neca.re.kr) 접속 및 로그인 → '분양신청' 메뉴를 통해 연구DB 신청<br><br>[필수 첨부서류]<br>① 데이터 분양 신청서<br>② IRB 심의결과 통지서<br>③ 연구계획서<br>④ 데이터이용자 보안서약서 등 | |

**STEP 2**
자료심의위원회 심의

**STEP 3**
PACEN 데이터 이용 계약서 작성

**STEP 4**
폐쇄분석실 이용신청

• PACEN 임상연구데이터 리포지터리 (https://repository.neca.re.kr) 접속 및 로그인 → '분석실 이용신청' 메뉴를 통해 분석실 이용 예약 신청

**STEP 5**
폐쇄분석실 이용 승인 통보
(E-mail 발송)

**STEP 6**
분석실 방문 및 데이터 이용 (폐쇄망 내 데이터 제공)

## (2) 데이터 활용 시 유의사항

○ PACEN 임상연구데이터 활용 시 아래 사항을 유의하 주시기 바랍니다.

| PACEN 임상연구 데이터 활용 유의사항 | |
|---|---|
| 데이터 활용 명시 | (국문) 본 연구는 보건복지부의 재원으로 수행된 「환자중심 의료기술 최적화 연구사업」 선정과제(과제고유번호: RS-2019-KH066134)의 데이터를 활용하였음 |
| | (영문) The data used in this study was originally collected from 「Patient-Centered Clinical Research Coordinating Center」 research(grant number: RS-2019-KH066134) granted by the Ministry of Health & Welfare, Republic of Korea. |
| 양도/대여 금지 | 자료요청 절차에 따라 PACEN 임상연구 데이터를 받은 기관 혹은 개인이 아닌 경우, PACEN 임상연구 데이터를 사용한 연구결과를 논문이나 연구보고서 등에 게재 및 출판 금지 |
| 영리적 목적으로 사용 금지 | 본 데이터는 학술활동 및 정책 개발등의 비영리적인 목적으로만 이용가능(타인에게 판매 금지) |
| 데이터 이용 승인기간 준수 | 이용자는 이용 승인기간 내에만 데이터 이용 가능 |
| 산출물 보고 | 논문 및 연구결과 발표, 정책보고서 등 작성 시 데이터 활용에 대한 명시 및 PACEN 사사표기를 포함하여야 하며, 산출물이 발생하는 경우 30일 내에 PACEN 담당자에게 사본을 이메일로 제출 (pacen2@neca.re.kr) |

○ '관상동맥 스텐트를 삽입한 환자에서 비심장성 수술 전후의 항혈소판제 투약 유지 및 중단에 대한 비교평가 연구' DB는 연구대상자 등록 및 추적관찰이 완료되었습니다.

○ 본 데이터 활용 지침서(Ver 1.0)는 연구데이터 생산 연구자가 작성하였으며, 이후 지침서는 비정기적으로 업데이트 됩니다. 데이터 사용시 PACEN 임상연구데이터 리포지터리 (https://repository.neca.re.kr)에서 최신 버전의 지침서를 확인 후 사용하시기 바랍니다.

○ 기타 데이터 및 지침서에 대한 문의사항은 pacen2@neca.re.kr 또는 한국보건의료연구원 환자중심 의료기술 최적화 연구사업단 연구개발2팀(02-2174-2833)으로 연락 주시기 바랍니다.

# Ⅱ. 연구개발과제 데이터 소개

## 1. 연구개발과제 개요

### (1) 데이터 기본 정보

<table>
<tr><td colspan="3">연구설계</td><td>전향적, 다기관, 무작위배정비교연구</td></tr>
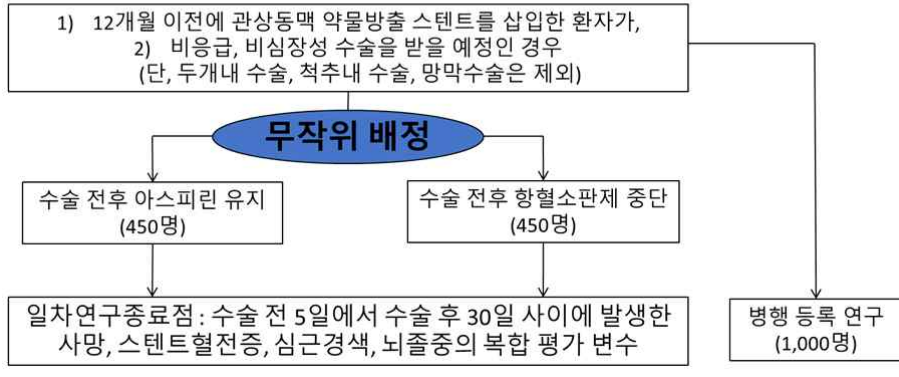<tr><td colspan="3">무작위배정 방법</td><td>층화 블록 무작위 배정 (층화방법: 참여기관, 출혈위험도)</td></tr>
<tr><td rowspan="8">P<br>I<br>C<br>O</td><td rowspan="2">연구<br>대상자(P)</td><td>정의</td><td>관상동맥 약물방출 스텐트를 가지고 있고, 비응급, 비심장성 수술을 받을 예정인 환자</td></tr>
<tr><td>대상자수</td><td>1010명</td></tr>
<tr><td rowspan="2">중재(I)</td><td>정의</td><td>아스피린 투여 유지군</td></tr>
<tr><td>대상자수</td><td>505명</td></tr>
<tr><td rowspan="2">비교중재(C)</td><td>정의</td><td>항혈소판제 중단군</td></tr>
<tr><td>대상자수</td><td>505명</td></tr>
<tr><td colspan="2">관심건강<br>결과(O)</td><td>일차 결과변수: 수술 후 30일까지 발생한 사망, 스텐트 혈전증*, 심근경색, 뇌졸중의 복합 사건<br>이차 결과변수: 모든 원인의 사망, 심장사, 심근경색, 뇌경색 혹은 뇌출혈, 스텐트 혈전증, 생명을 위협하는 출혈 사건, 주요 출혈 사건, 의료 비용, 삶의 질 평가지수</td></tr>
<tr><td colspan="3">임상연구<br>등록정보</td><td>(CRIS) NCT02797548<br>(ClinicalTrials.gov) KCT0002907</td></tr>
<tr><td colspan="3">프로토콜 논문</td><td>-<br>※ protocol 논문 외 데이터 활용 관련 선행 논문은 '부록 1, 주요 선행논문 목록' 참고</td></tr>
</table>

### (2) 연구개발과제 기본 정보

<table>
<tr><td>책임연구자(소속)</td><td>서울아산병원</td></tr>
<tr><td>연구과제명</td><td><b>관상동맥 스텐트를 삽입한 환자에서 비심장성 수술 전후의 항혈소판제 투약 유지 및 중단에 대한 비교평가연구</b></td></tr>
<tr><td>연구목적</td><td>관상동맥 약물방출 스텐트를 삽입한 후 12개월 이상 경과한 환자가 비심장성 수술을 받을 경우, 수술 전후 아스피린 유지와 중단 요법의 수술 전후 임상효과 및 안전성을 비교</td></tr>
<tr><td>연구 수행방법<br>요약</td><td>○ <b>전향적, 다기관, 무작위배정비교연구로 서울아산병원을 포함한 국내 29개 기관에서 진행하며 총 1010명을 등록</b>. 관상동맥 약물방출 스텐트 시술 후 12개월 이상 경과하고, 비심장성 정규 수술을 받을 환자가 대상군에 포함됨. 대상 환자는 <b>아스피린 투여 유지군 (중재군) 혹은 항혈소판제 중단군 (대조군)으로 무작위배정</b>함. 무작위 배정 중 참여 기관 및 수술의 출혈 위험도에 따라 층화하여 층화임의 배정(Stratified randomization)함</td></tr>
</table>

| | 관상동맥 약물방출 스텐트를 삽입한 환자에서 비심장성 수술 전후의 항혈소판제 투약 유지 및 중단에 대한 비교평가연구 |
|---|---|
| | 1) 12개월 이전에 관상동맥 약물방출 스텐트를 삽입한 환자가, 2) 비응급, 비심장성 수술을 받을 예정인 경우 (단, 두개내 수술, 척추내 수술, 망막수술은 제외) |
| | **무작위 배정** → 병행 등록 연구 (1,000명) |
| | 수술 전후 아스피린 유지 (450명) / 수술 전후 항혈소판제 중단 (450명) |
| | 일차연구종료점 : 수술 전 5일에서 수술 후 30일 사이에 발생한 사망, 스텐트혈전증, 심근경색, 뇌졸중의 복합 평가 변수 |

*초기 계획상 연구대상자 등록 목표수는 900명이었으나 코로나 팬데믹에 따른 수술 취소, cross-over 발생 증가 등을 고려하여 목표 등록수가 <u>1010명</u>으로 변경됨

○ **아스피린 유지군은 수술 5일 전부터 아스피린만을 복용**하며, 기존에 P2Y12 억제제 (Clopidogrel, Prasugrel, Ticagrelor)를 단일 투여하던 대상자는 수술 5일 전부터 아스피린으로 변경하여 투약 유지하고, 이중항혈소판제를 투여하던 경우에는 수술 5일 전부터 아스피린만을 복용함. 이 경우 수술 후 가능한 한 빨리 (가능하면 수술 2일 후) P2Y12 억제제를 재개함

○ **항혈소판제 중단군은 수술 5일 전 기존에 복용하던 항혈소판제를 중단**함. P2Y12 억제제를 중단하고 혈소판 기능이 정상화되는 시기가 Clopidogrel은 5일, Prasugrel은 7일, Ticagrelor는 3-5일로 알려져 있어, 5일 전 중단이 적당하다고 판단하였음. 수술 후 2일 이내에 기존에 복용하던 항혈소판제를 재개하는 것을 추천하며, 투약 결정은 담당의의 결정에 따름

○ 아스피린 투여군에서 중증의 출혈 혹은 아스피린과 관련된 부작용이 발생할 경우, 담당의의 결정에 따라 약제를 중단 가능함. 이 경우 증례기록지에 자세한 상황을 기재하며, 아스피린 재개 시점 또한 기재함

○ 등록된 모든 환자는 수술 후 30일 외래 방문 혹은 전화 문의를 통하여 추적 관찰됨

| 1차 결과변수 | **수술 후 30일까지 발생한 사망, 스텐트 혈전증*, 심근경색, 뇌졸중의 복합 사건** (Composite of all-cause death, stent thrombosis, myocardial infarction, and stroke) |
|---|---|
| 2차 결과변수 | 1) 모든 원인의 사망<br>2) 심장사<br>3) 심근경색<br>4) 뇌경색 혹은 뇌출혈<br>5) 스텐트 혈전증<br>6) 생명을 위협하는 출혈 사건 (Life threatening bleeding) : 출혈로 인한 사망, 위험 장기의 출혈 (두개내, 척수내, 안구내 출혈) |

| | 7) 주요 출혈 사건 (Major bleeding) : 출혈로 인한 사망, 위험 장기의 출혈 (두개내, 척수내, 안구내 출혈), 재수술 혹은 시술을 필요로 하는 출혈, Hb 3 이상 감소, RBC 혹은 전혈을 3 PACK 이상 수혈 |
| --- | --- |
| | 8) 의료 비용; 수술 후 퇴원시 건강보험공단, 환자 및 기타 영역에서 부담한 비용 (출혈 사건, 스텐트 혈전증, 심근경색, 뇌졸중 등을 포함), 환자 및 가족비용은 외래, 입원 횟수를 고려하여 산출 |
| | 9) 삶의 질 평가지수: 수술 전, 수술 후 퇴원시, 수술 후 30일 및 1년 후의 상태를 대상으로 평가. 도구로는 우리나라 가치평가표가 개발되어 있는 EQ-5D-5L과 HINT-8을 이용 |

○ 본 연구개발과제에 대한 연구계획서(protocol) 및 통계분석계획(SAP)는 임상연구데이터 분양 신청 승인 후 데이터 분양 시 제공됩니다.

# 2. 데이터 구조

## (1) 변수 생성 구조

변수명이 부여되는 규칙은 다음과 같습니다.

1. iCreat의 '임상연구자료 표준화 가이드라인 v1.0'에 따라 생성
2. 가이드라인 참고 표에 없는 변수는 iCreat에서 제공하는 변수검색을 통하여, 유사한 변수를 사용하거나 변경하여 사용
3. 기본 변수 구조

> VSHEIGHT = VS + HEIGHT
> 변수명 = 주요 도메인 + 변수 고유값
> 예) VS는 활력징후를 뜻하는 도메인명이며 신장을 뜻하는 변수 고유값과 결합

4. Domain 목록

| Domain | | Domain | |
|---|---|---|---|
| DM | Demographic | CM | Concomitant Medications |
| IE | Inclusion/Exclusion Criteria Not Met | OP | Operation |
| VS | Vital Sign | EV | Evaluation |
| BA | Baseline | EX | Exposure |
| MH | Medical History | CE | Clinical Events |
| LB | Laboratory Test Results | QS | Questionnaire |
| NI | Non-Invasive Test | | |

## (2) 대상자 등록 및 추적관찰

○ 2017년 3월 첫 대상자 등록을 시작으로 2024년 3월 마지막 대상자 등록까지 총 1010명의 데이터가 수집되었습니다(스크리닝 탈락 제외). VISIT 별 연구진행 내용은 다음과 같습니다.

| VISIT1<br>(무작위배정) | 관상동맥 약물방출 스텐트를 삽입하고 12개월 이상 경과한 시점에 비심장성 수술이 예정되어 있는 환자 대상으로 무작위배정 실시 |
|---|---|
| VISIT2<br>(수술1일전) | 수술 전 항혈소판제 복용여부 및 결과변수사건 확인 |
| VISIT3<br>(수술2일후) | 수술 후 항혈소판제 복용여부 및 결과변수사건 확인 |
| VISIT4<br>(수술30일후) | 수술 30일 후 항혈소판제 복용여부 및 결과변수사건 확인 |
| EOT<br>(종료방문) | 연구종료 시점을 기준으로 복약순응도 확인 및 증례결론 수집 |

○ 임상연구 일정표

| 구분 | 스크리닝<br>&무작위배정 | 중재기간 | | |
|---|---|---|---|---|
| 방문명 | VISIT1 | VISIT2 | VISIT3 | VISIT4 |
| 시기 | 0일 | 수술 1일 전 | 수술 2일 후 | 수술 후 30일<br>(±7일) |
| 동의서 취득 | O | | | |
| 대상자번호 번호부여 | O | | | |
| 인구학적 정보조사* | O | | | |
| 선정/제외기준 판정 | O | | | |
| **무작위배정** | **O** | | | |
| 활력징후* | O | O | O | O |
| 신체검진(신장 &체중)* | O | | | |
| 병력조사* | O | | | |
| 협심증 상태* | O | O | O | O |
| 임상검사결과조사* | O | | | |
| 전혈구검사(CBC)* | O | O | O | O |
| 병용약물 조사 | O | O | O | O |
| EQ-5D, HINT-8 설문 | O | | | O |
| 임신반응검사†<br>(가임기 여성) | O | | | |
| 결과변수사건확인 | | O | O | O |
| 츨혈사건 확인 | | O | O | O |
| 병원비용. | | | | O |

* 표준 표준진료절차로 시행되었을 경우 기록한다(not mandatory).

† 폐경 전 여성에만 실시한다.

○ 주요 수집 항목

| 도메인명 | 변수항목 |
|---|---|
| 대상자번호(공통) | 대상자번호 |
| 인구학적 정보(Demography) | 인구학적 정보 수집일, 무작위배정군, 층화요소, 성별, 생년, 동의구득일, 등록일, 수술과, 수술명, 수술위험도, 무작위배정군, 실제치료군, 계획서위반과 사유 동의철회와 사유 |
| 선정기준(Inclusion criteria) | 선정기준 항목 부합 여부 |
| 제외기준(Exclusion criteria) | 제외기준 항목 부합 여부 |
| Baseline_활력징후 | 활력징후 검사일, 신장, 체중, 체질량지수, 혈압, 맥박 |
| Baseline_심혈관병력 | PCI 시행일, 진단명, 병변, 치료병변, 삽입된 stent 수, stent 이름, stent size & length, stent 삽입일 |
| Baseline_위험인자와 병력 | 정보수집일, 고혈압, 당뇨, 흡연, 음주, 이상지질혈증, 관상동맥우회술, 심근경색, 가족력, 심부전, 심방세동, 심방조동, 뇌졸중, 말초혈관질환, 신장질환, 만성폐질환, 종양 |
| Baseline_임상검사 & 비침습적검사 | 정보수집일, 일반혈액검사, 일반화학검사, 심장효소검사, 혈액응고인자검사, 당화혈색소검사, 임신검사, 심장초음파, 핵의학검사 |
| Baseline_병용약물 | 항혈소판제, 항협심증약물, 스타틴, 항응고제 |
| Baseline_주요심장사건 (수술5일전) | 사망, 심근경색, 재관류, 스텐트혈전증, 뇌졸중, 출혈 |
| 수술정보_Operation data | 수술일, 수술시행여부, 마취, 수술과, 수술명, 출혈위험조, 수술시간, 수술 중 수혈, 출혈량, 수술중 주요 출혈 |
| 평가(30일)_퇴원정보 | 퇴원여부, 퇴원일, 퇴원하지 않은 경우 퇴원지연 사유, 수술 후 중환자실 치료여부 |
| 평가(30일)_임상검사 | 정보수집일, 일반혈액검사, 심장효소검사 |
| 평가(30일) | 평가일, 수술후 주요 출혈여부, 수술 후 1일~30일 수혈여부, 협심증 여부 & 협심증분류, 급성관상동맥증후군 여부, 주요심장사건(수술당일~30일)- 사망, 심근경색, 재관류, 스텐트혈전증, 뇌졸중, 출혈 |
| 평가(30일)_병용약물 | 항혈소판제, 항협심증약물, 스타틴, 항응고제 |
| Final actual treatment | 무작위배정일, 무작위배정군, 최종치료군, 항혈소판제 복용력(투여량, 투약횟수, 투여재시작일) |
| 주요심장사건_사망 | 사망일, 사망사유, 사망 시 항혈소판제 복용력 |
| 주요심장사건_심근경색 | 심근경색일, 심근경색 종류, 증상, 심근경색 위치, 심전도 결과, 심장효소검사, 심혈관조영술결과, 표적혈관관련여부, 스텐트혈전증 여부, 치료, 경과, 심근경색 당시 항혈소판제 복용력 |
| 주요심장사건_재관류 | 재관류일, 심혈관조영술 시행여부, 증상, 진단명, 재관류 병변수, 병변위치, 협착정도, 스텐트혈전증 관련 여부, 치료, 표적혈관 관련 여부, 표적병변 관련여부, 새로운 병변 관련 여부, 계획된 시술 여부, 경과, 재관류 당시 항혈소판제 복용력 |

| 도메인명 | 변수항목 |
|---|---|
| 주요심장사건_스텐트혈전증 | 스텐트혈전증 발생일, 분류, 증상, 심혈관조영술 정보, 경과, 스텐트혈전증 발생 시 항혈소판제 복용력 |
| 주요심장사건_뇌졸중 | 뇌졸중 발생일, 뇌졸중 종류, 신경과 확진여부, 영산검사, 치료, 뇌졸중 경과, 뇌졸중 발생 시 항혈소판제 복용력 |
| 주요심장사건_출혈 | 출혈발생일, 출혈시점, 혈색서검사결과, 수혈여부, 출혈 원인, 출혈 분류(TIMI, BARC), 경과, 출혈 발생 시 항혈소판제 복용력 |
| 설문지_EQ5D(baseline & 30일) | 정보수집일, 이동성, 자기관리, 일상활동, 통증/불편감, 불안/우울, 오늘의 건강상태 점수 |
| 설문지_HINT8(baseline &30일) | 정보수집일, 일상생황고나령 4항목, 우울/불안 관령 4항목 |

# 3. 데이터 정제

## (1) 논리적 오류 및 이상치 처리

　PACEN 임상연구 데이터는 논리적 오류 및 이상치 처리를 위해 웹기반 임상연구관리시스템(iCReaT) 내 전자증례기록지(e-CRF) 구축 시 자료검증방안(Data Validation Specification, DVS)을 설정하였습니다. 1차 시스템 쿼리, 2차 매뉴얼 쿼리를 통해 자료 입력 시 오류를 최소화하고 입력된 데이터 값의 오류 확인 및 데이터 정제를 시행하였습니다

| 쿼리 종류 | 항목 |
|---|---|
| 1차 오류 감지<br>– 시스템 쿼리(System query) | 1. 연구대상자 ID 자동생성<br>2. 필수입력항목 확인 및 입력 포맷 확인 (저장불가)<br>3. 자동계산식<br>4. 입력 조건식 설정 (저장불가)<br>5. 자료 입력허용 범위 확인 및 설정(저장불가, 확인 후 저장가능) |
| 2차 오류 감지<br>– 매뉴얼 쿼리(Manual query) | 수집된 데이터 중 입력값이 불충분하거나 그 외 연구 site에서 직접 내용 확인이 필요한 경우<br>(서울아산병원 심장내과 연구팀 Data Management 계획에 따른 매뉴얼 쿼리 발행) |

본 임상연구 데이터의 시스템 쿼리는 다음과 같이 동작합니다.
　○ 자동생성 & 자동계산: 시스템에서 자동 생성 및 자동 계산 됩니다.
　○ 저장불가: 중요한 쿼리 항목이 있는 경우 저장이 불가능합니다.
　○ 확인 후 저장가능: 쿼리 항목을 확인할 수 있고, 확인 후 저장 할 수 있습니다.
　○ 저장불가와 확인 후 저장 가능한 쿼리의 종류는 서울아산병원 심장내과 연구팀에서 미리 설정하여 적용합니다.

## (2) 결측치 처리

중도탈락 및 데이터 절단 시점 내 종료방문 예정이 미포함되어있는 대상자의 데이터 또는 기타 결측치는 다음과 같이 처리하였습니다. 결측치 처리에 대한 코딩값은 'Ⅲ-3. 변수 설명서'에서도 확인이 가능합니다.

○ 전체 무응답(추적조사 미참여): 특정 차수의 추적조사에 참여하지 않아 해당 차수의 수집변수 전체에 결측이 발생한 경우 (코딩값: 777777)

○ 항목 무응답:
1) 일부 항목에 대해 응답을 하지 않은 경우 (코딩값: 888888)
예: 상위문항에는 응답하였으나 관련 하위문항이 공란인 경우

| 변수명 | 변수설명 | 코딩값 |
|---|---|---|
| MHHTN | Hypertension | ■ **Yes = 1,** □ No = 2, □ Unknown = 3 |
| MHHTNMED | HTN - Medication | □ Yes = 1, □ No = 2, □ Unknown = 3<br>→ **'무응답(888888)'으로 코딩** |
| ※표설명: Hypertension 유무 문항에 'Yes'로 응답하였으나, Hypertension - Medication 유무 문항에 공란인 경우 → Medication '무응답(888888)'으로 처리 | | |

2) 조사항목의 응답 대상에 해당하지 않는 경우 (코딩값: 666666)
예: 문항을 입력할 필요가 없는 경우

| 변수명 | 변수설명 | 코딩값 |
|---|---|---|
| MHHTN | Hypertension | □ Yes = 1, ■ No = 2, □ Unknown = 3 |
| MHHTNMED | HTN - Medication | □ Yes = 1, □ No = 2, □ Unknown = 3<br>→ **'무응답(666666)'으로 코딩** |
| ※표설명: Hypertension 유무 문항에 'No' 응답한 경우 Medication 코딩값은 666666(해당없음)으로 입력 | | |

## (3) 비식별화 자료 정제 과정

○ *가명처리 후 제공 예정*

## 4. 표본 유지율 및 대상자 특성

※ 분석 포함 대상자 수는 원데이터에 대한 가명 처리 후 일부 변경될 수 있음

### (1) 추적조사 추적률

| 기저시점 | | 추적률 (%) | |
|---|---|---|---|
| VISIT0 (Screening & randomization) | VISIT1 (1 day before surgery) | VISIT2 (2 days after surgery) | VISIT3 (30 Days after surgery1±1week) |
| 1010명 | 917명(90.8%) | 917명(90.8%) | 922명(91%) |

### (2) 기저시점 기준 등록 대상자 특성

(단위: 명,%)

## Baseline Clinical Characteristics

| | Aspirin Monotherapy (N=462) | No Antiplatelet Therapy (N=464) |
|---|---|---|
| Age [yrs], mean (SD) | 68.0 ± 8.8 | 69.0 ± 9.0 |
| Male sex | 354 (76.6) | 351 (75.6) |
| Geographic distribution (Korea/India/Türkiye) | 440/14/8 | 444/11/9 |
| Body-mass index — kg/m$^2$ | 25.0 ± 3.3 | 24.9 ± 3.5 |
| Diabetes mellitus — no. (%) | 193 (41.8) | 221 (47.6) |
| Hypertension — no. (%) | 402 (87.0) | 389 (83.8) |
| Hyperlipidemia — no. (%) | 423 (91.6) | 416 (89.7) |
| Current smoker — no. (%) | 65 (14.1) | 62 (13.4) |
| Previous myocardial infarction — no. (%) | 140 (30.3) | 153 (33.0) |
| Previous congestive heart failure — no. (%) | 10 (2.2) | 16 (3.4) |
| Left ventricular ejection fraction — % | 59.7 ± 8.5 | 59.0 ± 8.3 |
| History of cerebrovascular disease — no. (%) | 29 (6.3) | 32 (6.9) |
| History of peripheral-artery disease — no. (%) | 22 (4.8) | 23 (5.0) |
| Atrial fibrillation or atrial flutter — no. (%) | 16 (3.5) | 14 (3.0) |
| Chronic renal insufficiency — no. (%) | 38 (8.2) | 55 (11.9) |

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# Surgical Risk

| | Aspirin Monotherapy (N=462) | No Antiplatelet Therapy (N=464) |
|---|---|---|
| Revised cardiac risk index*— no. (%) | | |
| No risk factor | 123 (26.6) | 107 (23.1) |
| 1 risk factor | 200 (43.3) | 208 (44.8) |
| 2 risk factors | 119 (25.8) | 119 (25.6) |
| 3 or more risk factors | 20 (4.3) | 30 (6.5) |
| Cardiovascular risk of surgery†— no. (%) | | |
| High risk | 55 (11.9) | 50 (10.8) |
| Low to intermediate risk | 407 (88.1) | 414 (89.2) |
| Bleeding risk of surgery†— no. (%) | | |
| High risk | 57 (12.3) | 54 (11.6) |
| Low to intermediate risk | 405 (87.7) | 410 (88.4) |

\* The revised cardiac risk index assesses the risk of cardiac complications in non-cardiac surgery based on six factors including high-risk surgery, history of ischemic heart disease, history of congestive heart failure, history of cerebrovascular disease, preoperative treatment with insulin, and preoperative serum creatinine >2 mg/dL, with scores ranging from 0 to 6.

† The cardiovascular risk and bleeding risk of surgery was classified according to the European society of cardiology guideline, and the modified Johns Hopkins criteria, respectively.
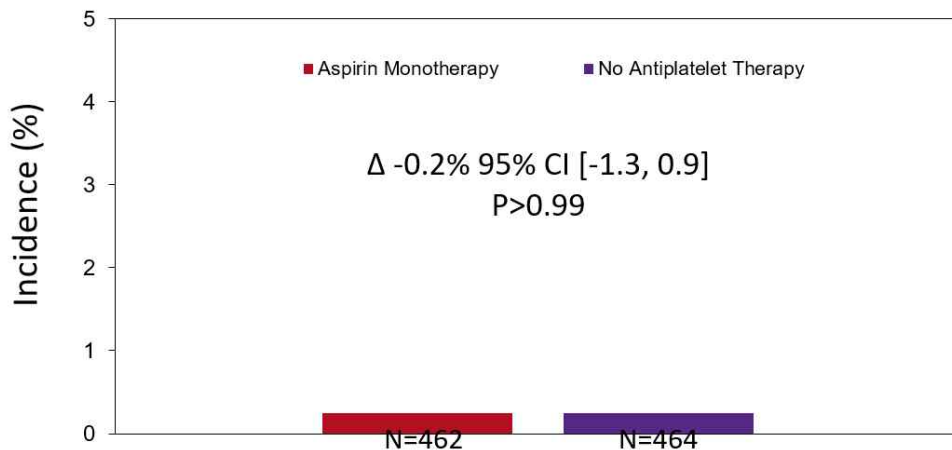
# PCI Characteristics

| | Aspirin Monotherapy (N=462) | No Antiplatelet Therapy (N=464) |
|---|---|---|
| Clinical presentation at index procedure — no. (%) | | |
| Stable angina | 186 (40.3) | 188 (40.5) |
| Acute coronary syndrome | 236 (51.1) | 240 (51.7) |
| Unknown | 40 (8.7) | 36 (7.8) |
| Duration from stent implantation — yr* | 5.1 (2.7-9.0) | 5.4 (2.1-9.7) |
| First generation drug-eluting stent — no. (%) | 51 (11.5) | 55 (12.4) |
| Second or newer generation drug-eluting stent‡ — no. (%) | 389 (88.0) | 386 (86.9) |
| Left main or multivessel stenting — no. (%) | 129 (27.9) | 113 (24.4) |
| Stent number | 1.6 ± 0.8 | 1.6 ± 0.8 |
| Stent diameter — mm | 3.1 ± 0.4 | 3.1 ± 0.4 |
| Stent length — mm | 42.5 ± 25.0 | 40.5 ± 21.8 |

*First-generation DES (median, 13.9 years), second-generation or newer DES (median, 4.4 years)

## 5. 주요변수 통계표

# Primary Endpoint:
## Death, MI, Stroke, Definite ST at 30 Days



- ■ Aspirin Monotherapy
- ■ No Antiplatelet Therapy

Δ -0.2% 95% CI [-1.3, 0.9]
P>0.99

N=462    N=464

Median time to event: 1 day (IQR, 1 to 2 days)

# Detail of Patients with Primary Endpoint

|  | Group | Event | POD | Duration from PCI (years) | LM or MV stenting | DES type | Prior MI | Ejection fraction (%) | Operation |
|---|---|---|---|---|---|---|---|---|---|
| Case 1 | Aspirin Mono | Cardiovascular death (sudden death), fatal MI (type 3)* | 0 | 2.2 | Yes | Newer† | No | 29 | Thoracic |
| Case 2 | Aspirin Mono | Cardiovascular death (sudden death), fatal MI (type 3)* | 2 | 5.8 | No | Newer | No | 63 | Orthopedics |
| Case 3 | Aspirin Mono | MI (type 2, anemia) | 1 | 14 | No | Older† | No | 64 | Abdomen |
| Case 4 | No antiplatelet | MI (type 2, heart failure) | 1 | 1.1 | Yes | Newer | Yes | 36 | Abdomen |
| Case 5 | No antiplatelet | MI (type 1, PCI) |  |  |  |  |  |  | Abdomen |
| Case 6 | No antiplatelet | MI (type 1, PCI) | 1 | 20.1 | No | Older | No | 38 | Abdomen |
| Case 7 | No antiplatelet | Stroke | 9 | 4.1 | No | Newer | No | 50 | Abdomen |

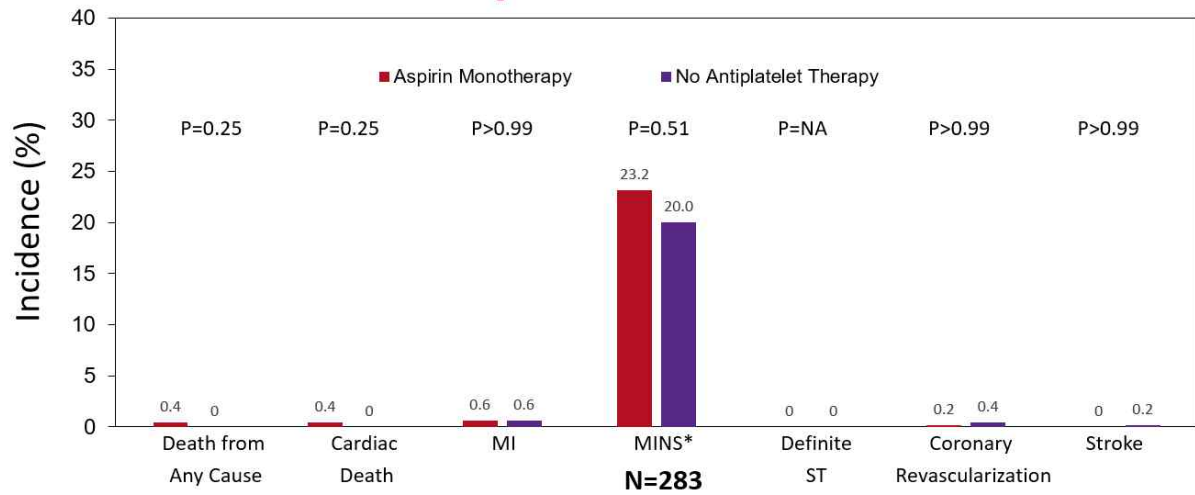Two PCIs were performed on *de novo* stenoses.

*Two patients in the aspirin monotherapy group experienced sudden death without prior coronary angiography.
†Older generation DES denotes 1st generation DES; newer generation DES denotes 2nd generation or newer generation DES.
‡Two PCIs were performed on de novo stenoses.
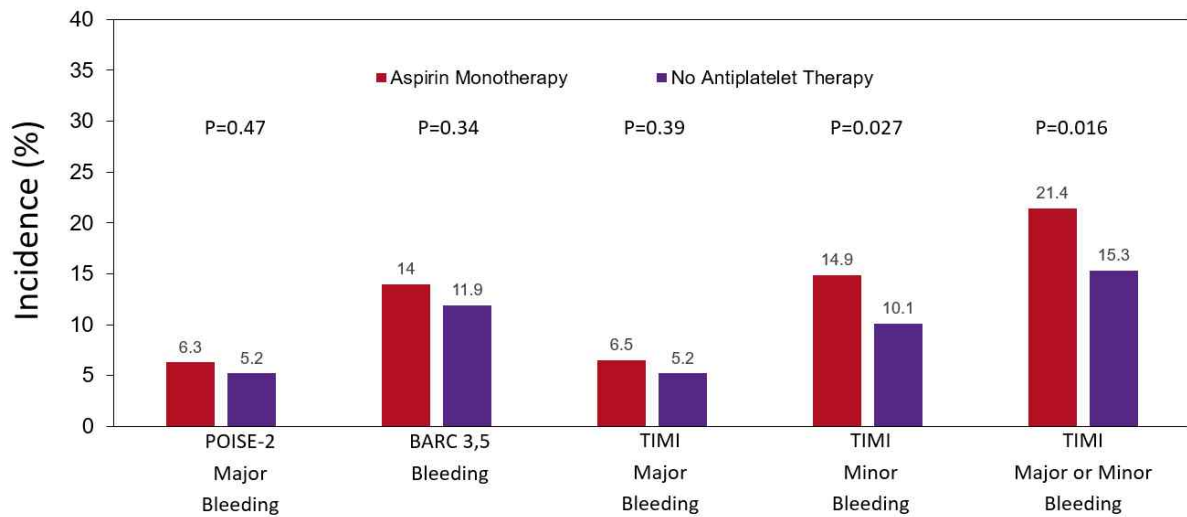
# Individual Perioperative Ischemic Events

**Incidence (%)**

■ Aspirin Monotherapy   ■ No Antiplatelet Therapy

| | Death from Any Cause | Cardiac Death | MI | MINS* N=283 | Definite ST | Coronary Revascularization | Stroke |
|---|---|---|---|---|---|---|---|
| P value | P=0.25 | P=0.25 | P>0.99 | P=0.51 | P=NA | P>0.99 | P>0.99 |
| Aspirin Monotherapy | 0.4 | 0.4 | 0.6 | 23.2 | 0 | 0.2 | 0 |
| No Antiplatelet Therapy | 0 | 0 | 0.6 | 20.0 | 0 | 0.4 | 0.2 |

MI=myocardial infarction, MINS=myocardial injury after noncardiac surgery, ST=stent thrombosis

\* MINS was defined as elevated postoperative cTnI > the 99th percentile of the URL in the absence of overt nonischemic causes, and was assessed in 283 patients (138 patients in aspirin alone group and 145 patients in no antiplatelet group).
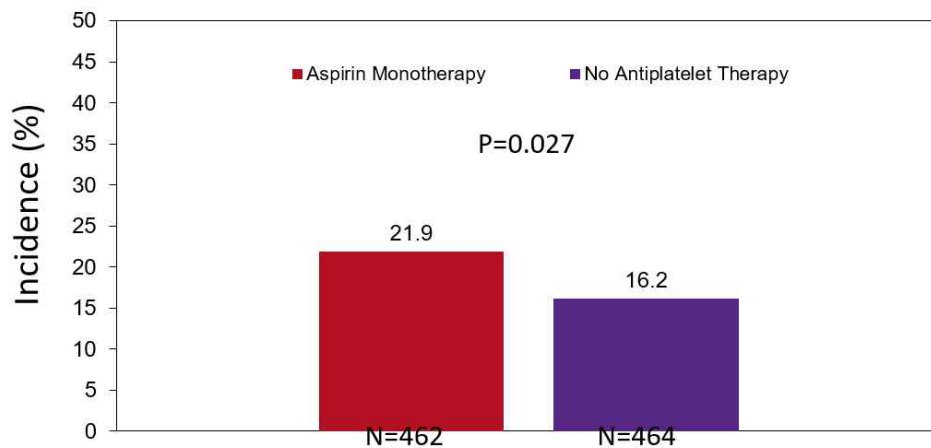
# Perioperative Bleeding Events at 30 Days

**Incidence (%)**

■ Aspirin Monotherapy   ■ No Antiplatelet Therapy

| | POISE-2 Major Bleeding | BARC 3,5 Bleeding | TIMI Major Bleeding | TIMI Minor Bleeding | TIMI Major or Minor Bleeding |
|---|---|---|---|---|---|
| P value | P=0.47 | P=0.34 | P=0.39 | P=0.027 | P=0.016 |
| Aspirin Monotherapy | 6.3 | 14 | 6.5 | 14.9 | 21.4 |
| No Antiplatelet Therapy | 5.2 | 11.9 | 5.2 | 10.1 | 15.3 |

# Net Adverse Clinical Events:
## Death, MI, Stroke, Definite ST, or Bleeding* at 30 Days



Incidence (%)

■ Aspirin Monotherapy   ■ No Antiplatelet Therapy

P=0.027

21.9   N=462

16.2   N=464

# Ⅲ. 변수 설명서

## 1. 변수 상세 설명

> ※ **도메인별 공통 변수**
> ① 대상자번호(SUBJNO), ②무작위배정군(ARMID), ③무작위배정군요인분류(ARMFACTORS),
> ④ 방문명(VISITNM), ⑤ 방문일(VISITDT)
> ※ **공통 코딩값 설명:** ① 666666=응답대상에 해당하지 않음, ② 777777=응답누락,
> ③ 888888=응답을 하지 않음

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| Demographic graphic | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□: 기관코드<br>0000: 대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Final Antiplatelet<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD<br>2100-01-01=응답을 하지않음 | Date | |
| | 1 | SEX_SYS_VAL | 성별 | 1=Male<br>2=Female | Integer | |
| | 2 | BIRTHDT_SYS_VAL | 생년월일 | YYYY | String | |
| | 3 | SUBJID | Subject Number | AD□□R-0000<br>□□: 기관코드<br>0000: 대상자부여번호 | String | 10 |
| | 4 | ICFDTC | 동의를 얻은<br>날짜를 기록<br>하십시오 | YYYY-MM-DD | Date | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 5 | DMDTC | Date of Enrollment | YYYY-MM-DD | Date | |
| | 6 | DMBRTHDTC | Year of Birth (yyyy) | YYYY | Integer | 4 |
| | 7 | DMAGE | Age (years) | | Integer | 3 |
| | 8 | DMSEX | Gender | 1=Male<br>2=Female | Integer | |
| | 9 | DMDEP | Department | 1=Abdomen<br>2=Head&Neck<br>3=Neurology<br>4=Orthopedics<br>5=Thoracic&Breast<br>6=URO&OBGY<br>7=Other | Integer | |
| | 10 | DMDEPOTH | Department - Otherspecify | | String | 50 |
| | 11 | DMOPE | Operation | 1=Diagnostic laparoscopy<br>2=Laparoscopic lysis of adhesion<br>3=Inguinal hernia repair<br>4=Hemorrhoid<br>5=Acute appendicitis<br>6=Cholecystectomy<br>7=Hepatectomy<br>8=Major laparoscopic procedures<br>9=Resection or reconstructive surgery of the digestivetract-Gastricresection<br>10=Bowelresection<br>11=Major resection or reconstruction of the gastrointestinal tract<br>12=Eye anterior chamber surgery (Cataract, Other corneal surgery, etc.)<br>13=Tonsillectomy<br>14=Adenoidectomy<br>15=Rhinoplasty<br>16=Septoplasty<br>17=Sinussurgery<br>18=Thyroidectomy<br>19=Head and neck cancer resection<br>20=Major otolaryngology surgery<br>21=Major oropharyngeal procedure (Major Head and neck cancer resection and reconstruction)<br>22=Laminectomy<br>23=Vertebroplasty | Integer | |
| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 24=Minor orthopedic surgery-Arthroscopic surgery<br>25=Fixation of minor fracture<br>26=Hiporknee replacement surgery<br>27=Major orthopedic surgery<br>28=Major orthopedicreconstruction<br>29=Breast cancer resection<br>30=Other breast surgery<br>31=Adrenalectomy<br>32=VATS<br>33=CABG (Cronary Artery Bypass Graft, 관상동맥우회술)<br>34=Lung resection<br>35=Mediastinal cancer resection<br>36=Esophageal cancer surgery<br>37=Cystoscopy<br>38=Vasectomy<br>39=Hysteroscopy<br>40=Fallopiantubeligation<br>41=Cystectomy<br>42=Prostatectomy<br>43=Nephrectomy<br>44=Urologicrecon structive surgery<br>45=Myomectomy<br>46=Hysterectomy<br>47=Major genitourinary surgery (e.g.,radical retropubic prostatectomy)<br>48=Other | | |
| | 12 | DMOPEOTH | Operation - Otherspecify | | String | 200 |
| | 13 | DMOPERISK | Operation Risk | 1=mild to moderate<br>2=high | Integer | |
| | 14 | DMRANCD | Random Code | Aspirin only<br>Noantiplatelet | String | 20 |
| | 15 | DMACTTX | Actual Treatment | 1=Aspirin only<br>2=Noantiplatelet | Integer | |
| | 16 | DMREAS | Actual Treatment - Changedreason | 1=Patient Preference<br>2=DoctorPreference<br>3=Others | Integer | |
| | 17 | DMREASOTH | Actual Treatment - Change dreason: other_specify | | String | 250 |
| | 18 | DMVIO | Protocol violation | 1=Yes | Integer | |
| | 19 | DMVIOREAS | Protocol violation - Reason of protocol violation | | String | 100 |
| | 20 | DMWIT | Withdraw | 1=Yes | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 21 | DMWITREAS | Withdraw<br>- Reason of<br>withdraw | | String | 100 |
| | 22 | DMCOM | Comment | | String | 2000 |
| | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=Noantiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operationrisk:high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| Inclusion<br>and<br>Exclusion | 23 | IEDTC | 선정, 제외기준<br>정보수집일 | | Date | |
| | 24 | IEORRES1 | Inclusion1)<br>만 19세 이상<br>Subject was ≥ 19<br>years of age | 1=Yes<br>2=No | Integer | |
| | 25 | IEORRES2 | Inclusion2)<br>적어도 1개 이상의<br>관상 동맥 약물<br>방출 스텐트<br>시술을 성공적으로<br>받은 경우<br>Patients who<br>successfully<br>implanted at least<br>one or more<br>coronary<br>drug-eluting<br>stents | 1=Yes<br>2=No | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 26 | IEORRES3 | Inclusion3)<br>스텐트 삽입 시술 후 12개월 이상 경과한 시점에 수술이 예정된 환자<br>Patients scheduled for surgery at 12months after stenting | 1=Yes<br>2=No | Integer | |
| | 27 | IEORRES4 | Inclusion4)<br>전신 마취하에 정규 비심장성 수술이 계획된 환자<br>Patients scheduled for electivenon -cardiac surgery | 1=Yes<br>2=No | Integer | |
| | 28 | IEORRES5 | Inclusion5)<br>환자 또는 법정 대리인이 연구계획서와 추적 조사에 동의하고, 연구기관의 연구심의 위원회/윤리 위원회가 승인한 임상시험 대상자 동의서에 서면으로 사전 동의한 경우<br>The patient or guardian agrees to the study protocol and the schedule of clinical follow-up, and provides informed, written consent, as approved by the appropriate Institutional Review Board/Ethical Committee of the respective clinical site. | 1=Yes<br>2=No | Integer | |
| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 29 | IEORRES6 | Exclusion1)<br>현재 급성 관동맥<br>증후군의 증거가<br>있거나 1달 이내에<br>발생한 심근<br>경색을 경험한<br>경우<br>Patient who<br>currently have a<br>symptom of acute<br>coronary<br>syndrome or<br>myocardial<br>infarction within 1<br>month | 1=Yes<br>2=No | Integer | |
| | 30 | IEORRES7 | Exclusion2)<br>중증 심부전<br>(EF≤30%) 혹은<br>중증 이상의 판막<br>질환으로 NYHA<br>III~IV의<br>호흡곤란이 있는<br>경우<br>Patient who have<br>dyspneaon<br>exertion<br>(NYHAFcIII~IV)<br>due to severe left<br>ventricular<br>dysfunction<br>(EF≤30%)or severe<br>valvular heart<br>disease | 1=Yes<br>2=No | Integer | |
| | 31 | IEORRES8 | Exclusion3)<br>아스피린의<br>부작용으로 복용이<br>어려운 경우<br>Patient who have<br>Intolerance<br>for aspirin | 1=Yes<br>2=No | Integer | |
| | 32 | IEORRES9 | Exclusion4)<br>항응고제를<br>투여해야 하는<br>경우<br>Patient who need<br>for anticoagulation<br>therapy | 1=Yes<br>2=No | Integer | |
| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 33 | IEORRES10 | Exclusion5)<br>응급 수술인 경우<br>Emergent operation | 1=Yes<br>2=No | Integer | |
| | 34 | IEORRES11 | Exclusion6)<br>심장 혹은 경동맥 수술<br>Cardiacsurgery | 1=Yes<br>2=No | Integer | |
| | 35 | IEORRES12 | Exclusion7)<br>출혈 시 위험도가 매우 높은 수술<br>(Intra-cranial surgery, Intra-spinal surgery, Retinal surgery)<br>Very high bleeding risk (ex, Intra-cranial surgery, Intra-spinal surgery, Retinal surgery) | 1=Yes<br>2=No | Integer | |
| | 36 | IEORRES13 | Exclusion8)<br>Screening visit, 신체검진, 혈액검사 또는 심전도 검사에서 확인된 연구자 판단에 의한 연구의 안전성을 침해할 만한 임상적으로 유의한 비정상적 소견이 있는 경우<br>Patient who have significantly abnormal findings which identified violation for safety by investigator on physical examination, blood test and electro cardiogram | 1=Yes<br>2=No | Integer | |
| | 37 | IEORRES14 | Exclusion9)<br>연구계획서에 설명된 절차를 | 1=Yes<br>2=No | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | 원하지 않거나<br>준수 할 수 없는<br>경우<br>Concurrent<br>medical condition<br>with a life<br>expectancy of less<br>than 1 years | | | |
| | 38 | IEORRES15 | Exclusion10)<br>임신부, 수유부<br>또는 가임 여성<br>Pregnantand/or<br>lactating women | 1=Yes<br>2=No | Integer | |
| | 39 | IEORRES16 | Exclusion11)<br>기대여명이 1년<br>이하인 경우<br>Patient was<br>unable to provide<br>written informed<br>consent or<br>participate in<br>log-term follow<br>up | 1=Yes<br>2=No | Integer | |
| Baseline | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=Noantiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operationrisk:high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 40 | VSSTAT | Vital Sign | 1=Done<br>2=NotDone | Integer | |
| | 41 | VSDTC | Date of V/S<br>(Vital Sign) | YYYY-MM-DD | Date | |
| | 42 | VSHEIGHT | 신장 (cm) | | String | 10 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 43 | VSWEIGHT | 체중 (kg) | | String | 10 |
| | 44 | VSBMI | BMI(body Mass Index, 신체질량지수) (kg/m²) | | String | 10 |
| | 45 | VSSYSBP | 수축기 혈압 (mmHg) | | String | 10 |
| | 46 | VSDIABP | 이완기 혈압 (mmHg) | | String | 10 |
| | 47 | VSPULSE | 맥박 (beats/min) | | String | 10 |
| | 48 | BALPCIDTC | Date of last PCI(Percutaneous Coronary Intervention) | YYYY-MM-DD | Date | |
| | 49 | BALDIA | Diagnosis of last PCI (Percutaneous Coronary Intervention) | 1=Silent ischemia(무증상 협심증) 2=Stable angina(안정형협심증) 3=ACS (Acute Coronary Syndrome, 급성관상동맥증후군): Unstable angina(불안정형협십증), NSTEMI(Non ST Elevation MI, 비ST분절상승심근경색), STEMI(STElevationMI, ST분절상승심근경색) 4=Undefined 5=Unknown | Integer | |
| | 50 | BALDIAUND | Diagnosis of last PCI - Undefined specify | | String | 100 |
| | 51 | BALDISLM | Diseased vessel of last PCI - LM (Left Main, 좌측주관관상동맥) | 1=LM | Integer | |
| | 52 | BALDISLAD | Diseased vessel of last PCI - LAD (Left Anterior Desecending artery, 좌전하행동맥) | 1=LAD | Integer | |
| | 53 | BALDISLCX | Diseased vessel of last PCI - LCX (Left CircumfleXartery, 좌회선동맥) | 1=LCX | Integer | |
| | 54 | BALDISRCA | Diseased vessel of last PCI - RCA(RtCoronary | 1=RCA | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | Aretery,<br>우측관상동맥) | | | |
| | 55 | BALDISRAM | Diseased vessel of last PCI<br>- Ramus (Ramus Intermedius, 중간가지분지) | 1=Ramus | Integer | |
| | 56 | BALDISUK | Diseased vessel of last PCI<br>- Unknown | 1=Unknown | Integer | |
| | 57 | BALSTELM | Stented vessel of last PCI<br>- LM (Left Main, 좌측주관관상동맥) | 1=LM | Integer | |
| | 58 | BALSTELAD | Stented vessel of last PCI<br>- LAD<br>(Left Anterior Desecending artery, 좌전하행동맥) | 1=LAD | Integer | |
| | 59 | BALSTELCX | Stented vessel of last PCI<br>- LCX<br>(Left CircumfleX artery, 좌회선동맥) | 1=LCX | Integer | |
| | 60 | BALSTERCA | Stented vessel of last PCI<br>- RCA<br>(Rt Coronary Aretery, 우측관상동맥) | 1=RCA | Integer | |
| | 61 | BALSTERAM | Stented vessel of last PCI<br>- Ramus<br>(RamusIntermedius, 중간가지분지) | 1=Ramus | Integer | |
| | 62 | BALSTEUK | Stented vessel of last PCI<br>- Unknown | 1=Unknown | Integer | |
| | 63 | BAABIFUR | Bifurcation two stenting of All PCI | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 64 | BAASTELM | Stented vessel of All PCI<br>- LM (Left Main, 좌측주관관상동맥) | 1=LM | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 65 | BAASTELAD | Stented vessel of All PCI<br>- LAD<br>(Left AnteriorN Desecending artery, 좌전하행동맥) | 1=LAD | Integer | |
| | 66 | BAASTELCX | Stented vessel of All PCI<br>- LCX<br>(Left CircumfleX artery, 좌회선동맥) | 1=LCX | Integer | |
| | 67 | BAASTERCA | Stented vessel of All PCI<br>- RCA<br>(Rt Coronary Aretery, 우측관상동맥) | 1=RCA | Integer | |
| | 68 | BAASTERAM | Stented vessel of All PCI<br>- Ramus<br>(Ramus Intermedius, 중간가지분지) | 1=Ramus | Integer | |
| | 69 | BAASTEUK | Stented vessel of All PCI<br>- Unknown | 1=Unknown | Integer | |
| | 70 | BASEG1 | Lesion #1 segment-CASS No. | 1=Proximal RCA<br>(Rt Coronary Aretery)<br>2=MidRCA<br>(Rt Coronary Aretery)<br>3=Distal RCA<br>(Rt Coronary Aretery)<br>4=Right PDA<br>5=Postero lateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br>(Left Anterior Desecending artery)<br>13=Mid LAD<br>(Left Anterior Desecending artery)<br>14=Distal LAD | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br>　(left CircumfleX artery)<br>19=Distal LCX<br>　(left CircumfleX artery)<br>20=1stOM<br>　(Obtuse Marginal branch)<br>21=2ndOM<br>　(Obtuse Marginal branch)<br>22=3rdOM<br>　(Obtuse Marginal branch)<br>23=Left atrio ventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 71 | BAPCIDTC1 | Lesion #1 segment-CASS No. - PCI (Percutaneous Coronary Intervention)date | YYYY-MM-DD | Date | |
| | 72 | BAST1 | Lesion #1 segment-CASS No. - Stent name | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 73 | BASTOTH1 | Lesion #1 Stent name<br>- Otherspecify | | String | 50 |
| | 74 | BASTSIZ1 | Lesion #1 Stent name<br>- Size(mm) | | String | 5 |
| | 75 | BASTLEN1 | Lesion #1 Stent name<br>- Length(mm) | | String | 5 |
| | 76 | BASEG2 | Lesion #2 segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 77 | BAPCIDTC2 | Lesion #2<br>segment-CASS No.<br> - PCI<br>(Percutaneous<br>Coronary<br>Intervention)date | YYYY-MM-DD | Date | |
| | 78 | BAST2 | Lesion #2<br>segment-CASS No.<br> - Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 79 | BASTOTH2 | Lesion #2 Stent name<br>- Other specify | | String | 50 |
| | 80 | BASTSIZ2 | Lesion #2 Stent name<br>- Size(mm) | | String | 5 |
| | 81 | BASTLEN2 | Lesion #2 Stent name<br>- Length(mm) | | String | 5 |
| | 82 | BASEG3 | Lesion #3 segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=Mid RCA<br> (Rt Coronary Aretery)<br>3=Distal RCA<br> (Rt Coronary Aretery)<br>4=Right PDA<br>5=Postero lateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Left main<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 83 | BAPCIDTC3 | Lesion #3<br>segment-CASS No.<br>- PCI<br>(Percutaneous<br>Coronary<br>Intervention)date | YYYY-MM-DD | Date | |
| | 84 | BAST3 | Lesion #3<br>segment-CASS No.<br>- Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 85 | BASTOTH3 | Lesion #3 Stent name<br>- Otherspecify | | String | 50 |
| | 86 | BASTSIZ3 | Lesion #3 Stent name<br>- Size(mm) | | String | 5 |
| | 87 | BASTLEN3 | Lesion #3 Stent name<br>- Length(mm) | | String | 5 |
| | 88 | BASEG4 | Lesion #4 segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=Mid RCA<br> (Rt Coronary Aretery)<br>3=Distal RCA<br> (Rt Coronary Aretery)<br>4=Right PDA<br>5=Postero lateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Left main<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch) | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 22=3rd OM (Obtuse Marginal branch) 23=Left atrioventric 24=1st left PL 25=2nd left PL 26=3rd PL 27=Left PDA 28=Ramus branch 29=3rd diagonal 30=SVG 31=LIMA insitu 32=RIMA insitu 33=Free arteral graf 34=Others | | |
| | 89 | BAPCIDTC4 | Lesion #4 segment-CASS No. - PCI (Percutaneous Coronary Intervention) date | YYYY-MM-DD | Date | |
| | 90 | BAST4 | Lesion #4 segment-CASS No. - Stentname | 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 91 | BASTOTH4 | Lesion #4 Stent name<br>- Otherspecify | | String | 50 |
| | 92 | BASTSIZ4 | Lesion #4 Stent name<br>- Size(mm) | | String | 5 |
| | 93 | BASTLEN4 | Lesion #4 Stent name<br>- Length(mm) | | String | 5 |
| | 94 | BASEG5 | Lesion #5 segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=Mid RCA<br> (Rt Coronary Aretery)<br>3=Distal RCA<br> (Rt Coronary Aretery)<br>4=Right PDA<br>5=Postero lateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Left main<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL | Integer | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 95 | BAPCIDTC5 | Lesion #5 segment-CASS No. - PCI (Percutaneous Coronary Intervention)date | YYYY-MM-DD | Date | |
| | 96 | BAST5 | Lesion #5 segment-CASS No. - Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 97 | BASTOTH5 | Lesion #5 Stent<br>name<br>- Other specify | | String | 50 |
| | 98 | BASTSIZ5 | Lesion #5 Stent<br>name<br>- Size(mm) | | String | 5 |
| | 99 | BASTLEN5 | Lesion #5 Stent<br>name<br>-Length(mm) | | String | 5 |
| | 100 | BASEG6 | Lesion #6<br>segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 101 | BAPCIDTC6 | Lesion #6<br>segment-CASS No.<br>-PCI(Percutaneous<br>Coronary<br>Intervention) date | | Date | |
| | 102 | BAST6 | Lesion #6<br>segment-CASS No.<br>-Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | Integer | |
| | 103 | BASTOTH6 | Lesion #6 Stent<br>name<br>- Other specify | | String | 50 |
| | 104 | BASTSIZ6 | Lesion #6 Stent<br>name - Size(mm) | | String | 5 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 105 | BASTLEN6 | Lesion #6 Stent name - Length(mm) | | String | 5 |
| | 106 | BASEG7 | Lesion #7 segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| Baseline | 107 | BAPCIDTC7 | Lesion #7<br>segment-CASS No.<br>- PCI<br>(Percutaneous<br>Coronary<br>Intervention) date | YYYY-MM-DD | Date | |
| Baseline | 108 | BAST7 | Lesion #7<br>segment-CASS No.<br>- Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | Integer | |
| Baseline | 109 | BASTOTH7 | Lesion #7 Stent<br>name<br>- Other specify | | String | 50 |
| Baseline | 110 | BASTSIZ7 | Lesion #7 Stent<br>name<br>- Size(mm) | | String | 5 |
| Baseline | 111 | BASTLEN7 | Lesion #7 Stent<br>name<br>- Length(mm) | | String | 5 |
| Baseline | 112 | BASEG8 | Lesion #8<br>segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal  LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| Baseline | 113 | BAPCIDTC8 | Lesion  #8 segment-CASS No. - PCI (Percutaneous | YYYY-MM-DD | Date | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | Coronary<br>Intervention)date | | | |
| Baseline | 114 | BAST8 | Lesion #8<br>segment-CASS No.<br>- Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | Integer | |
| Baseline | 115 | BASTOTH8 | Lesion #8 Stent<br>name<br>- Other specify | | String | 50 |
| Baseline | 116 | BASTSIZ8 | Lesion #8 Stent<br>name<br>- Size(mm) | | String | 5 |
| Baseline | 117 | BASTLEN8 | Lesion #8 Stent<br>name<br>- Length(mm) | | String | 5 |
| Baseline | 118 | BASEG9 | Lesion #9<br>segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| Baseline | 119 | BAPCIDTC9 | Lesion #9 segment-CASS No. - PCI (Percutaneous Coronary Intervention)date | YYYY-MM-DD | Date | |
| Baseline | 120 | BAST9 | Lesion #9 segment-CASS No. | 1=Biofreedom<br>2=Biomatrix | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | - Stentname | 3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor<br>7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 121 | BASTOTH9 | Lesion #9 Stent name<br>- Other specify | | String | 50 |
| | 122 | BASTSIZ9 | Lesion #9 Stent name<br>- Size(mm) | | String | 5 |
| | 123 | BASTLEN9 | Lesion #9 Stent name<br>- Length(mm) | | String | 5 |
| Baseline | 124 | BASEG10 | Lesion #10 segment-CASS No. | 1=Proximal RCA<br>(Rt Coronary Aretery)<br>2=MidRCA<br>(Rt Coronary Aretery)<br>3=DistalRCA<br>(Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal  LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 125 | BAPCIDTC10 | Lesion  #10 segment-CASS No. - PCI (Percutaneous Coronary Intervention)date | YYYY-MM-DD | Date | |
| | 126 | BAST10 | Lesion  #10 segment-CASS No. - Stentname | 1=Biofreedom<br>2=Biomatrix<br>3=Cilotax<br>4=Cypher<br>5=Desyne<br>6=Endeavor | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 7=Endeavor-Integrity<br>8=Endeavor-Resolute<br>9=Genous<br>10=Nobori<br>11=Onyx<br>12=Orsiro<br>13=Orsiro Mission<br>14=Promus<br>15=Promus Synergy<br>16=Promus-Element<br>17=Promus-Premire<br>18=Resolute-Integrity<br>19=Taxus<br>20=Ultimaster<br>21=Ultimaster Tansei<br>22=Xience<br>23=Xience-Alpine<br>24=Xience-Prime<br>25=Xience-Sierra<br>26=Xience-Xpedition<br>27=Unknown<br>28=Others<br>29=Promus Synergy XD<br>30=Promus Synergy MEGATRON | | |
| | 127 | BASTOTH10 | Lesion #10 Stent name<br>- Otherspecify | | String | 50 |
| | 128 | BASTSIZ10 | Lesion #10 Stent name<br>- Size(mm) | | String | 5 |
| | 129 | BASTLEN10 | Lesion #10 Stent name<br>- Length(mm) | | String | 5 |
| | 130 | MHDTC | 질병력 정보 수집일 | YYYY-MM-DD | Date | |
| | 131 | MHHTN | Hypertension | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 132 | MHHTNMED | Hypertension<br>- Medication | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 133 | MHHTNCND | Hypertension<br>- 질병상태 | 1=Before<br>2=Coincident<br>3=Ongoing<br>4=Unknown | Integer | |
| | 134 | MHDM | Diabetes | 1=Yes<br>2=No<br>3=Unknown | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 135 | MHDMTXDIE | Diabetes<br>- Treatment:Diet | 1=Diet | Integer | |
| | 136 | MHDMTXINS | Diabetes<br>- Treatment:Insulin | 1=Insulin | Integer | |
| | 137 | MHDMTXORA | Diabetes<br>- Treatment:<br>  Oral drug | 1=Oral drug | Integer | |
| | 138 | MHDMTXUK | Diabetes<br>- Treatment:<br>  Unknown | 1=Unknown | Integer | |
| | 139 | MHDMCND | Diabetes<br>- 질병상태 | 1=Before<br>2=Coincident<br>3=Ongoing<br>4=Unknown | Integer | |
| | 140 | DMSMK | Smoking | 1=Never<br>2=Current<br>3=Ex-Smoker<br>4=Unknown | Integer | |
| | 141 | DMSMKDUR | Smoking<br>- 흡연기간(년) | UK=Unknown | String | 5 |
| | 142 | DMNSMKDUR | Smoking<br>- 금연기간(년) | UK=Unknown | String | 5 |
| | 143 | DMSMKCIPD | Smoking<br>- 하루흡연량(개피) | UK=Unknown | String | 5 |
| | 144 | DMDRK | Alcohol | 1=Social<br>2=Heavy<br>3=No<br>4=과거음주자<br>5=Unknown | Integer | |
| | 145 | DMDRKDUR | Alcohol<br>- 음주기간(년) | UK=Unknown | String | 5 |
| | 146 | DMDRKCAT | Alcohol<br>- 술종류 | 1=소주<br>2=맥주<br>3=양주<br>4=막걸리<br>5=와인 | Integer | |
| | 147 | DMDRKAMT | Alcohol<br>- 1회음주량(잔) | UK=Unknown | String | 5 |
| | 148 | MHDYS | Dyslipidemia | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 149 | MHPRECAB | Previous CABG<br>(Cronary Artery<br>Bypass Graft,<br>관상동맥우회술) | 1=Yes<br>2=No<br>3=Unknow | Integer | |
| | 150 | MHPRECADTC | Previous CABG<br>(Cronary Artery Bypass<br>Graft, 관상동맥우회술)<br>- CABG Date | YYYY-MM-DD | Date | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 151 | MHPREMI | Previous Myocardial Infarction | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 152 | MHFHCAD | Family history of coronary artery disease | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 153 | MHSRELFA | Family history of coronary artery disease -대상자와의관계:부 | 1=부 | Integer | |
| | 154 | MHSRELMO | Family history of coronary artery disease -대상자와의관계:모 | 1=모 | Integer | |
| | 155 | MHSRELGP | Family history of coronary artery disease -대상자와의관계:(외)조부모 | 1=(외)조부모 | Integer | |
| | 156 | MHSRELBR | Family history of coronary artery disease -대상자와의관계:형제/자매 | 1=형제/자매 | Integer | |
| | 157 | MHSRELCH | Family history of coronary artery disease -대상자와의관계:자녀 | 1=자녀 | Integer | |
| | 158 | MHPREHF | Previous congestive heart failure | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 159 | MHATRFIB | Atrial Fibrillation | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 160 | MHATRFLU | Atrial Flutter | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 161 | MHPRECVA | Previous CVA(CerebeoVascular Accident, 뇌졸중) | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 162 | MHPRECVATY | Previous CVA (Cerebeo Vascular Accident, 뇌졸중) - CVAType | 1=Hemorrhagic<br>2=Ischemic<br>3=Mixed<br>4=Unknowntype | Integer | |
| | 163 | MHPREPVD | Previous peripheral vascular disease | 1=Yes<br>2=No<br>3=Unknown | Integer | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | 164 | MHPRERF | Previous Renal failure (CKD: Chronic Kidney Disease, 만성신장질환) | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 165 | MHPRERFCD | Previous Renal failure (CKD: Chronic Kidney Disease, 만성신장질환) - Previous chronic dialysis | 1=Yes<br>2=No | Integer | |
| | 166 | MHPRECLD | Previous chronic lung disease | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 167 | MHCAN | Cancer | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 168 | MHCANTXOP | Cancer - Treatment:수술 | 1=수술 | Integer | |
| | 169 | MHCANTXCH | Cancer - Treatment:항암 | 1=항암 | Integer | |
| | 170 | MHCANTXRA | Cancer - Treatment:방사선 | 1=방사선 | Integer | |
| | 171 | MHCANTXUK | Cancer - Treatment: Unknown | 1=Unknown | Integer | |
| | 172 | MHCANCND | Cancer - 질병상태 | 1=Before<br>2=Coincident<br>3=Ongoing<br>4=Unknown | Integer | |
| | 173 | LBBDTC | 실험실 정보수집일 | YYYY-MM-DD | Date | |
| | 174 | LBCRT | Creatinine (mg/dL) | 정상범위: 0.7~1.4<br>ND=Not Done | String | 10 |
| | 175 | LBBUN | BUN(Blood Urea Nitrogen) (mg/dL) | 정상범위: 10~26<br>ND=Not Done | String | 10 |
| | 176 | LBAST | SGOT (Serum Glutamic Oxaloacetic Transaminase, AST: Asparate Aminotransferase) (IU/L) | 정상범위: ~40<br>ND=Not Done | String | 10 |
| | 177 | LBALT | SGPT (Serum Glutamate Pyruvate Transaminase, | 정상범위: ~40<br>ND=Not Done | String | 10 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | ALT: Alanine<br>Aminotransferase)<br>(IU/L) | | | |
| | 178 | LBCHOL | Total Cholesterol<br>(mg/dL) | 정상범위: ~199<br>ND=Not Done | String | 10 |
| | 179 | LBTG | Triglycerides<br>(mg/dL) | 정상범위: ~199<br>ND=Not Done | String | 10 |
| | 180 | LBHDL | HDL<br>(High Density<br>Lipoprotein)<br>(mg/dL) | 정상범위: 40<br>ND=Not Done | String | 10 |
| | 181 | LBLDL | LDL<br>(Low Density<br>Lipoprotein)<br>(mg/dL) | 정상범위: 129<br>ND=Not Done | String | 10 |
| | 182 | LBHSCRP | hS-CRP<br>(high-sensitivity<br>C-reactive protein)<br>(mg/dL) | 정상범위: 0~0.6<br>ND=Not Done | String | 10 |
| | 183 | LBCK | CK<br>(Creatinine<br>Kinase) (IU/L) | 정상범위: 50~250<br>ND=Not Done | String | 10 |
| | 184 | LBFBS | Glucose (Fasting)<br>(mg/dL) | 정상범위: 70~99<br>ND=Not Done | String | 10 |
| | 185 | LBBNP | BNP<br>(Natriuretic<br>Peptide test)<br>(pg/ml) | 정상범위: ~167<br>ND=Not Done | String | 10 |
| | 186 | LBDDIMER | D-dimer ($\mu$g/mL) | 정상범위: ~0.5<br>ND=Not Done | String | 10 |
| | 187 | LBFIB | Fibrinogen<br>(mg/dL) | 정상범위: 200~400<br>ND=Not Done | String | 10 |
| | 188 | LBHBA | HbA1c<br>(glycated<br>hemoglobin) (%) | 정상범위: 4~6<br>ND=Not Done | String | 10 |
| | 189 | LBPTR | Pregnancy Test<br>(Urine) | 1=NA(Not Applicable)<br>2=Negative<br>3=Positive | Integer | |
| | 190 | LBGTP | yGTP<br>(Gamma Glutamyl<br>Transferase) (IU/L) | 정상범위: 5~36<br>ND=Not Done | String | 10 |
| | 191 | LBEGRF | 신사구체여과율<br>(e-GFR: estimated<br>Glomerular<br>Filtration Rate)<br>(mL/min/1.73m²) | 정상범위: 60<br>ND=Not Done | String | 10 |
| | 192 | NIEC | Echo-cardiogram | 1=Done<br>2=Not_done | Integer | |
| | 193 | NIECLVEF | LVEF | | String | 5 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | (Left Ventricular Ejection Fraction) (%) | | | |
| | 194 | NIECLVWM | LV(Left Ventricular) wall motion abnormality | 1=Abnormal<br>2=Normal | Integer | |
| | 195 | NITHASPEC | Thallium SPECT | 1=Not done<br>2=Positive<br>3=Negative<br>4=Inconclusive | Integer | |
| | 196 | CMBADOAD | Aspirin (tablet): 수술 전 1회 투여량(dose) (mg) | NA=Not Applicable | String | 5 |
| | 197 | CMBADYFRQ | Aspirin (tablet): 수술 전 1일 투약횟수 (회) | NA=Not Applicable | String | 5 |
| | 198 | CMBWAON | Warfarin Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 199 | CMBWALDTC | Warfarin Ongoing - 마지막복용일 | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 200 | CMBNOON | NOAC (New Oral AntiCoagulant) Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 201 | CMBNOLDTC | NOAC (New Oral AntiCoagulant) - 마지막복용일 | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 202 | CMBACON | ACE (Angiotensin-converting enzyme) Inhibitors/ ARB(Angiotensin receptor blockers) Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 203 | CMBBEON | Beta blocker Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 204 | CMBCAON | Calcium channel blocker Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 205 | CMBSTON | Statin Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 206 | BAMACE | MACE (Major Adverse Cardiovascular Event) | 1=Yes<br>2=No | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 207 | BAMACEDEA | MACE (Major Adverse Cardiovascular Event) - Death | 1=Death | Integer | |
| | 208 | BAMACEMI | MACE (Major Adverse Cardiovascular Event) - MI (Myocardial Infarction) | 1=MI | Integer | |
| | 209 | BAMACERR | MACE (Major Adverse Cardiovascular Event) - RR(Repeat Revascularization) | 1=RR | Integer | |
| | 210 | BAMACEST | MACE (Major Adverse Cardiovascular Event) - ST (Stent Thrombosis) | 1=ST | Integer | |
| | 211 | BAMACECVA | MACE (Major Adverse Cardiovascular Event) - CVA (Cerebro Vascular Accident) | 1=CVA | Integer | |
| | 212 | BAMACEBL | MACE (Major Adverse Cardiovascular Event) - Bleeding | 1=Bleeding | Integer | |
| | 213 | BACOM | Comment | | String | 2000 |
| Operation | 공통변수 | SUBJNO | 대상자번호 | AD□□R-0000 □□:기관코드 0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only 2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군 요인분류 | 1=Operation risk: mild to moderate 2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline Operation | String | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 214 | OPDTC | Operation Date | YYYY-MM-DD | Date | |
| | 215 | OPDON | Operation done | 1=Yes<br>2=No | Integer | |
| | 216 | OPDONDTC | Operation done - If Yes, date | YYYY-MM-DD | Date | |
| | 217 | OPNDREAS | Operation done -IfNo:Reason | 1=Death<br>2=Cancelofoperation<br>3=Other | Integer | |
| | 218 | OPNDREASO | Operation done - If No: Reason: other specify | | String | 100 |
| | 219 | OPANE | Type of anesthesia | 1=General<br>2=Regional<br>3=MAC(Monitored Anesthesia Care)<br>4=Local<br>5=Other | Integer | |
| | 220 | OPANEOTH | Type of anesthesia - otherspecify | | String | 100 |
| | 221 | OPDEP | Department | 1=Abdomen<br>2=Head&Neck<br>3=Neurology<br>4=Orthopedics<br>5=Thoracic&Breast<br>6=URO&OBGY<br>7=Other | Integer | |
| | 222 | OPDEPOTH | Department - other specify | | String | 100 |
| | 223 | OPOPE | Operation | 1=Diagnostic laparoscopy<br>2=Laparoscopic lysis of adhesion<br>3=Inguinal hernia repair<br>4=Hemorrhoid<br>5=Acute appendicitis<br>6=Cholecystectomy<br>7=Hepatectomy<br>8=Major laparoscopic procedures<br>9=Resection or reconstructive surgery of the digestivetract-Gastricresection | Integer | |
| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 10=Bowelresection<br>11=Major resection or reconstruction of the gastrointestinal tract<br>12=Eye anterior chamber surgery (Cataract, Other corneal surgery, etc.)<br>13=Tonsillectomy<br>14=Adenoidectomy<br>15=Rhinoplasty<br>16=Septoplasty<br>17=Sinussurgery<br>18=Thyroidectomy<br>19=Head and neck cancer resection<br>20=Major otolaryngology surgery<br>21=Major oropharyngeal procedure (Major Head and neck cancer resection and reconstruction)<br>22=Laminectomy<br>23=Vertebroplasty<br>24=Minor orthopedic surgery-Arthroscopic surgery<br>25=Fixation of minor fracture<br>26=Hiporknee replacement surgery<br>27=Major orthopedic surgery<br>28=Major orthopedicreconstruction<br>29=Breast cancer resection<br>30=Other breast surgery<br>31=Adrenalectomy<br>32=VATS<br>33=CABG (Cronary Artery Bypass Graft, 관상동맥우회술)<br>34=Lung resection<br>35=Mediastinal cancer resection<br>36=Esophageal cancer surgery<br>37=Cystoscopy<br>38=Vasectomy<br>39=Hysteroscopy<br>40=Fallopiantubeligation<br>41=Cystectomy<br>42=Prostatectomy<br>43=Nephrectomy<br>44=Urologicrecon structive surgery<br>45=Myomectomy<br>46=Hysterectomy | | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 47=Major genitourinary surgery<br>(e.g.,radical retropubic<br>prostatectomy)<br>48=Other | | |
| | 224 | OPOPEOTH | Operation<br>- other specify | | String | 200 |
| | 225 | OPBLRISK | Bleeding Risk | 1=mild to moderate<br>2=high | Integer | |
| | 226 | OPTMSTHR | Total operation<br>time: Start hour<br>(hr) | | String | 10 |
| | 227 | OPTMSTMIN | Total operation<br>time: Start minute<br>(min) | | String | 10 |
| | 228 | OPTMENHR | Total operation<br>time: Finish hour<br>(hr) | | String | 10 |
| | 229 | OPTMENMIN | Total operation<br>time: Finish<br>minute (min) | | String | 10 |
| | 230 | OPTMTOT | Total operation<br>time: Total (min) | | String | 10 |
| | 231 | OPTRA | Transfusion<br>during<br>operation(OR) | | Integer | |
| | 232 | OPWB | Transfusion<br>during<br>operation(OR)<br>- Whole blood | 1=Whole blood | Integer | |
| | 233 | OPWBU | Transfusion<br>during<br>operation(OR)<br>- Whole blood:<br>  units(units) | | String | 5 |
| | 234 | OPRBC | Transfusion<br>during<br>operation(OR)<br>- RBCs<br>  (Red Blood Cells) | 1=RBCs | Integer | |
| | 235 | OPRBCU | Transfusion<br>during<br>operation(OR)<br>- RBCs<br>  (Red Blood Cells):<br>  units(units) | | String | 5 |
| | 236 | OPFFP | Transfusion<br>during<br>operation(OR)<br>- FFP | 1=FFP | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | (Fresh Frozen Plasma) | | | |
| | 237 | OPFFPU | Transfusion during operation(OR) - FFP(Fresh Frozen Plasma):units(units) | | String | 5 |
| | 238 | OPPLT | Transfusion during operation(OR) - Platelets | 1=Platelets | Integer | |
| | 239 | OPPLTU | Transfusion during operation(OR) - Platelets: units(units) | | String | 5 |
| | 240 | OPBLLOS | Estimated blood loss (cc) | | String | 10 |
| | 241 | OPMB | Major Bleeding during operation | 1=Yes 2=No | Integer | |
| | 242 | OPMBTYFAT | Major Bleeding during operation - Type of major bleeding: fatal bleeding | 1=fatal bleeding | Integer | |
| | 243 | OPMBTYCRI | Major Bleeding during operation - Type of major bleeding: Bleeding in a critical organ (intracranial, intraspinal, intraocular) | 1=Bleeding in a critical organ (intracranial, intraspinal, intraocular) | Integer | |
| | 244 | OPMBTYHYP | Major Bleeding during operation - Type of major bleeding: Bleeding causing hypovolemic shock or severe hypotension requiring vasopressors or surgery or intervention | 1=Bleeding causing hypovolemic shock or severe hypotension requiring vasopressors or surgery or intervention | Integer | |
| | 245 | OPMBTYHEM | Major Bleeding during operation | 1=Bleeding with drop in hemoglobin ≥3g/dl | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | - Type of major bleeding: Bleeding with drop in hemoglobin ≥3g/dl | | | |
| | 246 | OPMBTYWHO | Major Bleeding during operation - Type of major bleeding: whole blood or packed red blood cells (RBCs: Red Blood Cells) transfusion ≥ 3units | 1=whole blood or packed red blood cells (RBCs) transfusion ≥3 units | Integer | |
| | 247 | OPCOM | Comment | | String | 2000 |
| 30days Evaluation | 공통변수 | SUBJNO | 대상자번호 | AD□□R-0000 □□:기관코드 0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only 2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군 요인분류 | 1=Operation risk: mild to moderate 2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline Operation 30days Evaluation Final Actual Treatment Death MI RR ST CVA Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 248 | EVDIS | Discharge | 1=Yes 2=No | Integer | |
| | 249 | EVDISDTC | Discharge - If Yes: Discharge date | YYYY-MM-DD | Date | |
| | 250 | EVDISSTAT | Discharge - If Yes: Statusat Discharge | 1=Discharge (home) 2=Transfer 3=Death | Integer | |
| | 251 | EVPROREAS | Discharge - If No: Reason of prolonged hospitalization | 1=Bleeding related 2=Cardiac reason 3=Non-cardiac reason | Integer | |
| | 252 | EVPROREASO | Reason of prolonged | | String | 100 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | hospitalization<br>- If non-cardiac:<br>reason | | | |
| | 253 | EVICU | Discharge<br>- If Yes: ICU<br>(Intensive Care<br>Unit) care after<br>operation | 1=Yes<br>2=No | Integer | |
| | 254 | EVICUDY | ICU(Intensive<br>Care Unit) care<br>after operation<br>- If Yes:<br>days(days) | | String | 5 |
| | 255 | LBEDTC | 실험실<br>정보수집일 | YYYY-MM-DD | Date | |
| | 256 | LBWBCBAV | WBC<br>(White Blood<br>Cell): Baseline<br>(Before operation)<br>(x10³ / mm³) | 정상범위: 4~10<br>ND=Not Done | String | 10 |
| | 257 | LBWBCPOV | WBC<br>(White Blood<br>Cell): POD(Post<br>Operative Day)#1<br>(x10³ / mm³) | ND=Not Done | String | 10 |
| | 258 | LBWBCLOV | WBC<br>(White Blood<br>Cell): lowest after<br>op (x10³ / mm³) | ND=Not Done | String | 10 |
| | 259 | LBWBCDIV | WBC<br>(White Blood<br>Cell): At discharge<br>(x10³ / mm³) | ND=Not Done | String | 10 |
| | 260 | LBHBBAV | Hb<br>(Hemoglobin):<br>Baseline(Before<br>operation) (g/dL) | 정상범위: 12~16<br>ND=Not Done | String | 10 |
| | 261 | LBHBPOV | Hb<br>(Hemoglobin):<br>POD(Post<br>Operative Day)#1<br>(g/dL) | ND=Not Done | String | 10 |
| | 262 | LBHBLOV | Hb (Hemoglobin):<br>lowest after op<br>(g/dL) | ND=Not Done | String | 10 |
| | 263 | LBHBDIV | Hb (Hemoglobin):<br>At discharge<br>(g/dL) | ND=Not Done | String | 10 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 264 | LBPLTBAV | Platelet: Baseline (Before op) (x10³ / mm³) | 정상범위: 150~350<br>ND=Not Done | String | 10 |
| | 265 | LBPLTPOV | Platelet: POD (Post Operative Day)#1 (x10³ / mm³) | ND=Not Done | String | 10 |
| | 266 | LBPLTLOV | Platelet: lowest after op (x10³ / mm³) | ND=Not Done | String | 10 |
| | 267 | LBPLTDIV | Platelet: At discharge (x10³ / mm³) | ND=Not Done | String | 10 |
| | 268 | LBCKBAV | CK(Creatinine Kinase): Baseline(Before operation) (IU/L) | 정상범위: 50~250<br>ND=Not Done | String | 10 |
| | 269 | LBCKPOV | CK(Creatinine Kinase): POD(Post Operative Day)#1 (IU/L) | ND=Not Done | String | 10 |
| | 270 | LBCKPEV | CK(Creatinine Kinase): Peak after op (IU/L) | ND=Not Done | String | 10 |
| | 271 | LBCKDIV | CK(Creatinine Kinase): At discharge (IU/L) | ND=Not Done | String | 10 |
| | 272 | LBCMBAV | CK-MB(isoenzyme of creatinine kinase): Baseline(Before operation) (ng/mL) | 정상범위: ~5<br>ND=Not Done | String | 10 |
| | 273 | LBCMPOV | CK-MB (isoenzyme of creatinine kinase): POD(Post Operative Day)#1 (ng/mL) | ND=Not Done | String | 10 |
| | 274 | LBCMPEV | CK-MB (isoenzyme of creatinine kinase): Peak after op (ng/mL) | ND=Not Done | String | 10 |
| | 275 | LBCMDIV | CK-MB (isoenzyme of creatinine kinase): At discharge (ng/mL) | ND=Not Done | String | 10 |
| | 276 | LBTIBAV | Troponin I: Baseline(Before operation) (pg/ml) | 정상범위: ~60<br>ND=Not Done | String | 10 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 277 | LBTIPOV | Troponin I: POD(Post Operative Day)#1 (ng/mL) | ND=Not Done | String | 10 |
| | 278 | LBTIPEV | Troponin I: Peak after op (ng/mL) | ND=Not Done | String | 10 |
| | 279 | LBTIDIV | Troponin I: At discharge (ng/mL) | ND=Not Done | String | 10 |
| | 280 | LBTTBAV | Troponin T: Baseline(Before operation) (ng/mL) | ND=Not Done | String | 10 |
| | 281 | LBTTPOV | Troponin T: POD(Post Operative Day)#1 (ng/mL) | ND=Not Done | String | 10 |
| | 282 | LBTTPEV | Troponin T: Peak after op (ng/mL) | ND=Not Done | String | 10 |
| | 283 | LBTTDIV | Troponin T: At discharge (ng/mL) | 정상범위: <0.1<br>ND=Not Done | String | 10 |
| | 284 | EVEVLDTC | 30days evaluation date | YYYY-MM-DD | Date | |
| | 285 | EVMBOP | Major Bleeding after operation: OP(Operation) related | 1=Yes<br>2=No | Integer | |
| | 286 | EVMBOTH | Major Bleeding after operation: Other reason | 1=Yes<br>2=No | Integer | |
| | 287 | EVTYFAT | Major Bleeding after operation: Other reason - Type of major bleeding: Fatal bleeding | 1=Fatal bleeding | Integer | |
| | 288 | EVTYCRI | Major Bleeding after operation: Other reason - Type of major bleeding: critical area/organ bleeding (intracranial, intraspinal, intraocular) | 1=critical area/organ bleeding | Integer | |
| | 289 | EVTYREO | Major Bleeding after operation: Other reason - Type of major bleeding: Requires | 1=Requires Reoperation or intervention | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | Reoperation or intervention | | | |
| | 290 | EVTYHB | Major Bleeding after operation: Other reason<br>- Type of major bleeding: Hb drop ≥ 3g/dL or additional transfusion of ≥ 3U whole blood or packed red blood cells (except for predicted blood loss) | 1=Hb drop ≥ 3g/dL or additional transfusion of ≥ 3U whole blood or packed red blood cells(except for predicted blood loss) | Integer | |
| | 291 | EVTRA | Transfusion during admission (POD:Post Operative Day, POD#1~30days) | 1=Yes<br>2=No | Integer | |
| | 292 | EVWB | Transfusion during admission (POD:Post Operative Day, POD#1~30days)<br>- Whole blood | 1=Whole blood | Integer | |
| | 293 | EVWBU | Transfusion during admission (POD:Post Operative Day, POD#1~30days)<br>- Whole blood: units (units) | | String | 5 |
| | 294 | EVRBC | Transfusion during admission (POD:Post Operative Day, POD#1~30days)<br>- RBCs (Red Blood Cells) | 1=RBCs | Integer | |
| | 295 | EVRBCU | Transfusion during admission (POD:Post Operative Day, POD#1~30days)<br>- RBCs (Red Blood Cells): units (units) | | String | 5 |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | 296 | EVANG | Angina | 1=Yes<br>2=No | Integer | |
| | 297 | EVCCS | CCS (Canadian Cardiovascular Society angina) classification | 1=Asymptomatic<br>2=CCSclassI<br>3=CCSclassII<br>4=CCSclassIII<br>5=CCSclassIV | Integer | |
| | 298 | EVACS | ACS (Acute Coronary Syndrome, 급성관상동맥증후군) | 1=Yes<br>2=No | Integer | |
| | 299 | EVACSTY | ACS (Acute Coronary Syndrome, 급성관상동맥증후군) - type | 1=Unstable angina(불안정형협십증),<br>2=NSTEMI(Non ST Elevation MI, 비ST분절상승심근경색),<br>3=STEMI(ST Elevation MI, ST 분절상승 심근경색) | Integer | |
| | 300 | EVMACE | MACE(MACE: Major Adverse Cardiovascular Event, 수술 당일 (Operation day) ~ 30days) | 1=Yes<br>2=No | Integer | |
| | 301 | EVMACEDEA | MACE - Death | 1=Death | Integer | |
| | 302 | EVMACEMI | MACE - MI (Myocardial Infarction) | 1=MI | Integer | |
| | 303 | EVMACERR | MACE - RR (Repeat Revascularization) | 1=RR | Integer | |
| | 304 | EVMACEST | MACE - ST (Stent Thrombosis) | 1=ST | Integer | |
| | 305 | EVMACECVA | MACE - CVA (Cerebro Vascular Accident) | 1=CVA | Integer | |
| | 306 | EVMACEBL | MACE - Bleeding | 1=Bleeding | Integer | |
| | 307 | CMEADOAD | Aspirin(tablet) : 수술 후 1회 투여량(dose) (mg) | NA=Not Applicable | String | 5 |
| | 308 | CMEADYFRQ | Aspirin(tablet) : 수술 후 1일 투약횟수 (회) | NA=Not Applicable | String | 5 |
| | 309 | CMEWAON | Warfarin Ongoing | 1=Yes<br>2=No | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 310 | CMEWASTDTC | Warfarin Ongoing -수술후투여시작일 | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 311 | CMENOON | NOAC<br>(New Oral AntiCoagulant)<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 312 | CMENOSTDTC | NOAC<br>(New Oral AntiCoagulant)<br>Ongoing<br>- 수술후<br>　투여시작일 | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 313 | CMEACON | ACE<br>(Angiotensin-converting enzyme)<br>Inhibitors/<br>ARB(Angiotensin receptor blockers)<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 314 | CMEBEON | Beta blocker Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 315 | CMECAON | Calcium channel blocker Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 316 | CMESTON | Statin Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 317 | EVCOM | Comment | | String | 2000 |
| Final Actual Treatment | 공통변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군 요인분류 | 1=Operation risk: mild to moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 318 | EXRANCD | Random Code | Aspirin only<br>No antiplatelet | String | 20 |
| | 319 | EXACTTX | Final Actual Treatment | 1=Aspirin Only<br>2=No antiplatelet | Integer | |
| | 320 | EXREAS | Final Actual Treatment<br>- Changed reason | 1=Patient preference<br>2=Doctor preference<br>3=Others | Integer | |
| | 321 | EXREASOTH | Final Actual Treatment<br>- Changed reason:<br>Other specify | | String | 100 |
| | 322 | EXCOM | Comment | | String | 2000 |
| | | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to moderate<br>2=Operation risk: high | Integer | |
| | 공통<br>변수 | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 323 | CMDASON | 등록당시: Aspirin Ongoing | 1=Yes<br>2=No | Integer | |
| | 324 | CMDASPRE | 등록당시: Aspirin,<br>No인 경우,<br>처방여부 | 1=Yes<br>2=No | Integer | |
| | 325 | CMDCLON | 등록당시:<br>Clopidogrel<br>Ongoing | 1=Yes<br>2=No | Integer | |
| | 326 | CMDTION | 등록당시:<br>Ticagrelor<br>Ongoing | 1=Yes<br>2=No | Integer | |
| | 327 | CMDPRON | 등록당시:<br>Prasugrel Ongoing | 1=Yes<br>2=No | Integer | |
| | 328 | CMDCION | 등록당시:<br>Cilostazol Ongoing | 1=Yes<br>2=No | Integer | |
| | 329 | CMPASON | 수술<br>5일전~수술당일:<br>Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 330 | CMPASSPDTC | 수술 5일전~수술당일: Aspirin Stop date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 331 | CMPCLON | 수술 5일전~수술당일: Clopidogrel Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 332 | CMPCLSPDTC | 수술 5일전~수술당일: Clopidogrel Stop date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 333 | CMPTION | 수술 5일전~수술당일: Ticagrelor Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 334 | CMPTISPDTC | 수술 5일전~수술당일: Ticagrelor Stop date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 335 | CMPPRON | 수술 5일전~수술당일: Prasugrel Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 336 | CMPPRSPDTC | 수술 5일전~수술당일: Prasugrel Stop date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 337 | CMPCION | 수술 5일전~수술당일: Cilostazol Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 338 | CMPCISPDTC | 수술 5일전~수술당일: Cilostazol Stop date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 339 | CMFASON | 30days FU evaluation: Aspirin Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 340 | CMFASSTDTC | 30days FU evaluation: Aspirin Restart_date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 341 | CMFCLON | 30days FU evaluation: Clopidogrel Ongoing | 1=Yes 2=No 3=Unknown | Integer | |
| | 342 | CMFCLSTDTC | 30days FU evaluation: Clopidogrel Restart_date | YYYY-MM-DD NA=Not Applicable | String | 10 |
| | 343 | CMFTION | 30days FU evaluation: | 1=Yes 2=No | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | Ticagrelor<br>Ongoing | 3=Unknown | | |
| | 344 | CMFTISTDTC | 30days FU<br>evaluation:<br>Ticagrelor Restart<br>date | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 345 | CMFPRON | 30days FU<br>evaluation:<br>Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 346 | CMFPRSTDTC | 30days FU<br>evaluation:<br>Prasugrel Restart<br>date | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 347 | CMFCION | 30days FU<br>evaluation:<br>Cilostazol Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 348 | CMFCISTDTC | 30days FU<br>evaluation:<br>Cilostazol Restart<br>date | YYYY-MM-DD<br>NA=Not Applicable | String | 10 |
| | 349 | CMCOM | Comment | | String | 2000 |
| Death | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operation risk:high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 350 | CEDDTC | Date of Death | YYYY-MM-DD | Date | |
| | 351 | CEDTY | Cause of Death | 1=Cardiovascular death<br>2=Non-cardiovascular death<br>3=Unknown | Integer | |
| | 352 | CEDCAMI | Cause of Death<br>- If Cardiovascular<br>death:<br>Acutemyocardial<br>infarction | 1=Acute myocardial infarction | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 353 | CEDCSHOCK | Cause of Death - If Cardiovascular death: Cardiogenicshock | 1=Cardiogenic shock | Integer | |
| | 354 | CEDCVF | Cause of Death - If Cardiovascular death: Fatal arrhythmia (VF or conduction block) | 1=Fatal arrhythmia (VF or conduction block) | Integer | |
| | 355 | CEDCCVA | Cause of Death - If Cardiovasculardeath: CVA/Stroke (CVA:Cerebeo Vascular Accident, 뇌졸중) | 1=CVA/Stroke | Integer | |
| | 356 | CEDCAD | Cause of Death - If Cardiovascular death: Aortic dissection/rupture | 1=Aortic dissection/rupture | Integer | |
| | 357 | CEDCPE | Cause of Death - If Cardiovascular death: Pulmonary embolism | 1=Pulmonary embolism | Integer | |
| | 358 | CEDCOVD | Cause of Death - If Cardiovascular death: Other vascular disease | 1=Other vascular disease | Integer | |
| | 359 | CEDCPRD | Cause of Death - If Cardiovascular death: Procedure-related death | 1=Procedure-related death | Integer | |
| | 360 | CEDCHF | Cause of Death - If Cardiovascular death: Low-outputfailure (heartfailure) | 1=Low-output failure (heart failure) | Integer | |
| | 361 | CEDCOTH | Cause of Death - If Cardiovascular death: Others | 1=Others | Integer | |
| | 362 | CEDCOTHDES | Cause of Death - If Cardiovascular death: Others specify | | String | 200 |
| | 363 | CEDNMAL | Cause of Death - If Non-cardiovascular : Malignancy | 1=Malignancy | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 364 | CEDNRF | Cause of Death - If Non-cardiovascular : Renalfailure | 1=Renal failure | Integer | |
| | 365 | CEDNINF | Cause of Death - If Non-cardiovascular : Infection(sepsis) | 1=Infection (sepsis) | Integer | |
| | 366 | CEDNPC | Cause of Death - If Non-cardiovascular : Pulmonary causes or respiratory failure | 1=Pulmonary causes or respiratory failure | Integer | |
| | 367 | CEDNTRA | Cause of Death - If Non-cardiovascular : Trauma | 1=Trauma | Integer | |
| | 368 | CEDNSUI | Cause of Death - If Non-cardiovascular : Suicide/homicide | 1=Suicide/homicide | Integer | |
| | 369 | CEDNACC | Cause of Death - If Non-cardiovascular : Accident | 1=Accident | Integer | |
| | 370 | CEDNUNO | Cause of Death - If Non-cardiovascular :Unobserved | 1=Unobserved | Integer | |
| | 371 | CEDNOTH | Cause of Death - If Non-cardiovascular :Others | 1=Others | Integer | |
| | 372 | CEDNOTHDES | Cause of Death - If Non-cardiovascular : Othersspecify | | String | 200 |
| | 373 | CEDASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 374 | CEDASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 375 | CEDASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 376 | CEDCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 377 | CEDCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 378 | CEDCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 379 | CEDTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 380 | CEDTISPDTC | Ticagrelor Ongoing - stop date | YYYY-MM-DD | Date | |
| | 381 | CEDTISPREA | Ticagrelor Ongoing - stop Reason | | String | 100 |
| | 382 | CEDPRON | Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 383 | CEDPRSPDTC | Prasugrel Ongoing - stopdate | YYYY-MM-DD | Date | |
| | 384 | CEDPRSPREA | Prasugrel Ongoing - stopreason | | String | 100 |
| | 385 | CEDCION | Cilostazol Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 386 | CEDCISPDTC | Cilostazol Ongoing - stop date | YYYY-MM-DD | Date | |
| | 387 | CEDCISPREA | Cilostazol Ongoing - stop Reason | | String | 100 |
| | 388 | CEDCOM | Comment | | String | 2000 |
| | 389 | CEDADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 390 | CEDADJDTC | Adjudication - AdjudicationDate | YYYY-MM-DD | Date | |
| | 391 | CEDADJRES | Adjudication - Adjudication Result | 1=Event<br>2=Not Event | Integer | |
| | 392 | CEDADJCOM | Adjudication - Adjudication Comment | | String | 2000 |
| | 393 | CEDSIGN | Sign by | | String | 10 |
| | 394 | CEDSIGNDTC | Sign date | YYYY-MM-DD | String | 20 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| MI | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin  only<br>2=No  antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation  risk: mild to<br>moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 395 | CEMDTC | Date of<br>MI(Myocardial<br>Infarction) | YYYY-MM-DD | Date | |
| | 396 | CEMTY | Type  of<br>MI(Myocardial<br>Infarction) | 1=Q  wave MI<br>2=Non-Q wave MI | Integer | |
| | 397 | CEMANG | Angina  symptom | 1=Yes<br>2=No | Integer | |
| | 398 | CEMINFLOC | Location  of<br>infarction | 1=Anterior<br>2=Anterolateral<br>3=Inferior<br>4=Posterior<br>5=Undetermined | Integer | |
| | 399 | CEMECG | Any  diagnostic<br>ECG finding? | 1=Yes<br>2=No | Integer | |
| | 400 | CEMQWAV | Any  diagnostic<br>ECG finding?<br>-  New pathologic<br>Q waves | 1=New  pathologic Q waves | Integer | |
| | 401 | CEMSTEL | Any  diagnostic<br>ECG finding?<br>-  New ST<br>elevation | 1=New  ST elevation | Integer | |
| | 402 | CEMLBBB | Any  diagnostic<br>ECG finding?<br>-  LBBB(Left<br>Bundle Branch<br>Block) | 1=LBBB | Integer | |
| | 403 | CEMSTDE | Any  diagnostic<br>ECG finding? | 1=New  ST depression | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | - New ST depression | | | |
| | 404 | CEMTWAV | Any diagnostic ECG finding? - New T wave inversion | 1=New T wave inversion | Integer | |
| | 405 | CEMOTH | Any diagnostic ECG finding? - Others | 1=Others | Integer | |
| | 406 | CEMOTHDESC | Any diagnostic ECG finding? - Others: specify | | String | 200 |
| | 407 | CEMCKBDTC | CK(Creatinine Kinase): Pre OP - Date | YYYY-MM-D | String | 10 |
| | 408 | CEMCKBV | CK(Creatinine Kinase): Pre OP - Value (IU/L) | ND=Not Done | String | 10 |
| | 409 | CEMCKTDTC | CK(Creatinine Kinase): at the time of MI(Myocardial Infarction)- Date | YYYY-MM-DD | String | 10 |
| | 410 | CEMCKTV | CK(Creatinine Kinase): at the time of MI(Myocardial Infarction)- Value (IU/L) | ND=Not Done | String | 10 |
| | 411 | CEMCKPDTC | CK(Creatinine Kinase): Peak - Date | YYYY-MM-DD | String | 10 |
| | 412 | CEMCKPV | CK(Creatinine Kinase): Peak - Value (IU/L) | ND=Not Done | String | 10 |
| | 413 | CEMCMBDTC | CK-MB(isoenzyme of creatinine kinase): Pre OP - Date | YYYY-MM-DD | String | 10 |
| | 414 | CEMCMBV | CK-MB(isoenzyme of creatinine kinase): Pre OP - Value (ng/mL) | ND=Not Done | String | 10 |
| | 415 | CEMCMTDTC | CK-MB(isoenzyme of creatinine kinase): at the time of MI(Myocardial Infarction) - Date | YYYY-MM-DD | String | 10 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 416 | CEMCMTV | CK-MB(isoenzyme of creatinine kinase): at the time of MI(Myocardial Infarction) - Value (ng/mL) | ND=Not Done | String | 10 |
| | 417 | CEMCMPDTC | CK-MB(isoenzyme of creatinine kinase): Peak - Date | YYYY-MM-DD | String | 10 |
| | 418 | CEMCMPV | CK-MB(isoenzyme of creatinine kinase): Peak - Value (ng/mL) | ND=Not Done | String | 10 |
| | 419 | CEMTIBDTC | Troponin I: Pre OP - Date | YYYY-MM-DD | String | 10 |
| | 420 | CEMTIBV | Troponin I: Pre OP - Value (ng/mL) | ND=Not Done | String | 10 |
| | 421 | CEMTITDTC | Troponin I: at the time of MI(Myocardial Infarction) - Date | YYYY-MM-DD | String | 10 |
| | 422 | CEMTITV | Troponin I: at the time of MI(Myocardial Infarction) - Value (ng/mL) | ND=Not Done | String | 10 |
| | 423 | CEMTIPDTC | Troponin I: Peak - Date | YYYY-MM-DD | String | 10 |
| | 424 | CEMTIPV | Troponin I: Peak - Value (ng/mL) | ND=Not Done | String | 10 |
| | 425 | CEMTTBDTC | Troponin T: Pre OP - Date | YYYY-MM-DD | String | 10 |
| | 426 | CEMTTBV | Troponin T: Pre OP - Value (ng/mL) | ND=Not Done | String | 10 |
| | 427 | CEMTTTDTC | Troponin T: at the time of MI(Myocardial Infarction) - Date | YYYY-MM-DD | String | 10 |
| | 428 | CEMTTTV | Troponin T: at the time of MI(Myocardial Infarction) - Value (ng/mL) | ND=Not Done | String | 10 |
| | 429 | CEMTTPDTC | Troponin T: Peak - Date | YYYY-MM-DD | String | 10 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 430 | CEMTTPV | Troponin T: Peak - Value (ng/mL) | ND=Not Done | String | 10 |
| | 431 | CEMANGREL | Angiography done related to this event | 1=Yes<br>2=No | Integer | |
| | 432 | CEMTOTOCC | Angiography done related to this event -TotalOcclusion | 1=Yes<br>2=No | Integer | |
| | 433 | CEMVISTHR | Angiography done related to this event -VisibleThrombus | 1=Yes<br>2=No | Integer | |
| | 434 | CEMTARVES | Related to target vessel | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 435 | CEMSTETHR | Related to stent thrombosis | 1=Yes<br>2=No<br>3=Unknown | Integer | |
| | 436 | CEMTXREL | Treatment related to this event | 1=Medication<br>2=Thrombolysis<br>3=PCI<br>  (Percutaneous Coronary Intervention)<br>4=CABG<br>  (Cronary Artery Bypass Graft) | Integer | |
| | 437 | CEMEVTOUT | Event Outcome | 1=Fatal<br>2=Non-fatal | Integer | |
| | 438 | CEMASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 439 | CEMASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 440 | CEMASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 441 | CEMCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 442 | CEMCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 443 | CEMCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 444 | CEMTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 445 | CEMTISPDTC | Ticagrelor<br>Ongoing<br>- stop date | YYYY-MM-DD | Date | |
| | 446 | CEMTISPREA | Ticagrelor<br>Ongoing<br>- stop Reason | | String | 100 |
| | 447 | CEMPRON | Prasugrel<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 448 | CEMPRSPDTC | Prasugrel<br>Ongoing<br>- stop date | YYYY-MM-DD | Date | |
| | 449 | CEMPRSPREA | Prasugrel<br>Ongoing<br>- stop reason | | String | 100 |
| | 450 | CEMCION | Cilostazol<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 451 | CEMCISPDTC | Cilostazol<br>Ongoing<br>- stop date | YYYY-MM-DD | Date | |
| | 452 | CEMCISPREA | Cilostazol<br>Ongoing<br>- stop Reason | | String | 100 |
| | 453 | CEMCOM | Comment | | String | 2000 |
| | 454 | CEMADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 455 | CEMADJDTC | Adjudication<br>- Adjudication<br>Date | YYYY-MM-DD | Date | |
| | 456 | CEMADJRES | Adjudication<br>- Adjudication<br>Result | 1=Event<br>2=Not Event | Integer | |
| | 457 | CEMADJCOM | Adjudication<br>- Adjudication<br>Comment | | String | 2000 |
| | 458 | CEMSIGN | Sign by | | String | 10 |
| | 459 | CEMSIGNDTC | Sign Date | YYYY-MM-DD | String | 20 |
| RR | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operation risk: high | Integer | |

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| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 460 | CERDTC | Date of Repeat revascularization | YYYY-MM-DD | Date | |
| | 461 | CERROUANG | Routine angiographic FU | 1=Done<br>2=Not Done | Integer | |
| | 462 | CERANG | Angina symptom | 1=Yes<br>2=No | Integer | |
| | 463 | CERCLPR | Clinical presentation | 1=Silent ischemia(무증상 협심증)<br>2=Stableangina(안정형협심증)<br>3=Unstableangina(불안정형협십증)<br>4=STEMI(ST Elevation MI,<br>  ST 분절상승 심근경색)<br>5=NSTEMI(Non ST Elevation MI,<br>  비ST분절상승 심근경색) | Integer | |
| | 464 | CERTOTNUM | Total number of repeat revascularization lesions (ea) | | Integer | 2 |
| | 465 | CERLSCN1 | Lesion #1 Lesion segment-CASS No. | 1=Proximal RCA(Rt Coronary Aretery)<br>2=MidRCA(RtCoronaryAretery)<br>3=DistalRCA(RtCoronaryAretery)<br>4=RightPDA<br>5=Posterolateral(PL)<br>6=1strightPL<br>7=2ndrightPL<br>8=3rdrightPL<br>9=Rightseptalbranc<br>10=Rightventricular<br>11=Leftmain<br>12=ProximalLAD(LeftAnteriorDesecendingartery)<br>13=MidLAD(LeftAnteriorDesecendingartery)<br>14=DistalLAD(LeftAnteriorDesecendingartery)<br>15=1stdiagonal<br>16=2nddiagonal | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 17=1stseptal | | |
| | | | | 18=ProximalLCX(leftCircumfleXartery) | | |
| | | | | 19=DistalLCX(leftCircumfleXartery) | | |
| | | | | 20=1stOM(ObtuseMarginalbranch) | | |
| | | | | 21=2ndOM(ObtuseMarginalbranch) | | |
| | | | | 22=3rdOM(ObtuseMarginalbranch) | | |
| | | | | 23=Leftatrioventric | | |
| | | | | 24=1stleftPL | | |
| | | | | 25=2ndleftPL | | |
| | | | | 26=3rdPL | | |
| | | | | 27=LeftPDA | | |
| | | | | 28=Ramusbranch | | |
| | | | | 29=3rddiagonal | | |
| | | | | 30=SVG | | |
| | | | | 31=LIMAinsitu | | |
| | | | | 32=RIMAinsitu | | |
| | | | | 33=Freearteralgraf | | |
| | | | | 34=Others | | |
| | | | | 666666=응답대상에해당하지않음 | | |
| | | | | 777777=추적조사미참여 | | |
| | | | | 888888=응답을하지않음 | | |
| | 466 | CERDLL1 | Lesion #1 Lesion segment-CASS No. -Diseasedlesionlocation | 666666=응답 대상에 해당하지 않음<br>777777=추적조사미참여<br>888888=응답을하지않음 | String | 100 |
| | 467 | CERTLL1 | Lesion #1 Lesion segment-CASS No. -Treatedlesionlocation | 666666=응답 대상에 해당하지 않음<br>777777=추적조사미참여<br>888888=응답을하지않음 | String | 100 |
| | 468 | CERANGTM1 | Lesion #1 Lesion segment-CASS No. -Angiographicresultatthistime | 1=< 50%<br>2=50%~70%<br>3=71%~99%<br>4=Total_occlusion | Integer | |
| | 469 | CERSTR1 | Lesion #1 Stent thrombosis-related | 1=Yes<br>2=No | Integer | |
| | 470 | CERTX1 | Lesion #1 Type of treatment | 1=PCI (Percutaneous Coronary Intervention)<br>2=CABG (Cronary Artery Bypass Graft) | Integer | |
| | 471 | CERTXPCI1 | Lesion #1 Type of treatment - PCI type | 1=BMS (Bare Metal Stent)<br>2=DES (Drug Eluting Stent)<br>3=POBA (Plain Old Balloon Angioplasty)<br>4=DEB (Drug Eluting Balloon)<br>5=Other | Integer | |
| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 472 | CERTXPCIO1 | Lesion #1 Type of treatment - PCI type: Other specify | | String | 50 |
| | 473 | CERTVR1 | Lesion #1 Treated vessel revascularization | 1=Yes<br>2=No | Integer | |
| | 474 | CERTLR1 | Lesion #1 Treated lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 475 | CERTLRTY1 | Lesion #1 Treated lesion revascularization -Type | 1=Restenosis<br>2=Stentthrombosis<br>3=Other | Integer | |
| | 476 | CERTLRTYO1 | Lesion #1 Treated lesion revascularization -Type:Otherspecify | | String | 50 |
| | 477 | CERNLR1 | Lesion #1 New lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 478 | CERSP1 | Lesion #1 Staged procedure with ≥ 50% stenosis at the index procedure | 1=Yes<br>2=No | Integer | |
| | 479 | CERLSCN2 | Lesion #2 Lesion segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 480 | CERDLL2 | Lesion #2 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 481 | CERTLL2 | Lesion #2 Lesion segment-CASS No. - Treated lesion location | | String | 100 |
| | 482 | CERANGTM2 | Lesion #2 Lesion segment-CASS No. - Angiographic result at this time | 1=< 50%<br>2=50%~70%<br>3=71%~99%<br>4=Total occlusion | Integer | |
| | 483 | CERSTR2 | Lesion #2 Stent thrombosis-related | 1=Yes<br>2=No | Integer | |
| | 484 | CERTX2 | Lesion #2 Type of treatment | 1=PCI (Percutaneous Coronary Intervention)<br>2=CABG (Cronary Artery Bypass Graft) | Integer | |
| | 485 | CERTXPCI2 | Lesion #2 Type of treatment - PCI type | 1=BMS (Bare Metal Stent)<br>2=DES (Drug Eluting Stent)<br>3=POBA (Plain Old Balloon Angioplasty)<br>4=DEB(Drug Eluting Balloon)<br>5=Other | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 486 | CERTXPCIO2 | Lesion #2 Type of treatment - PCI type: Other specify | | String | 50 |
| | 487 | CERTVR2 | Lesion #2 Treated vessel revascularization | 1=Yes<br>2=No | Integer | |
| | 488 | CERTLR2 | Lesion #2 Treated lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 489 | CERTLRTY2 | Lesion #2 Treated lesion revascularization - Type | 1=Restenosis<br>2=Stent thrombosis<br>3=Other | Integer | |
| | 490 | CERTLRTYO2 | Lesion #2 Treated lesion revascularization - Type: Other specify | | String | 50 |
| | 491 | CERNLR2 | Lesion #2 New lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 492 | CERSP2 | Lesion #2 Staged procedure with ≥ 50% stenosis at the index procedure | 1=Yes<br>2=No | Integer | |
| | 493 | CERLSCN3 | Lesion #3 Lesion segment-CASS No. | 1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 494 | CERDLL3 | Lesion #3 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 495 | CERTLL3 | Lesion #3 Lesion segment-CASS No. - Treated lesion location | | String | 100 |
| | 496 | CERANGTM3 | Lesion #3 Lesion segment-CASS No. - Angiographic result at this time | 1=< 50%<br>2=50%~70%<br>3=71%~99%<br>4=Total occlusion | Integer | |
| | 497 | CERSTR3 | Lesion #3 Stent thrombosis-related | 1=Yes<br>2=No | Integer | |
| | 498 | CERTX3 | Lesion #3 Type of treatment | 1=PCI (Percutaneous Coronary Intervention)<br>2=CABG (Cronary Artery Bypass Graft) | Integer | |
| | 499 | CERTXPCI3 | Lesion #3 Type of treatment - PCI type | 1=BMS (Bare Metal Stent)<br>2=DES(Drug Eluting Stent)<br>3=POBA (Plain Old Balloon | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | Angioplasty)<br>4=DEB (Drug Eluting Balloon)<br>5=Other | | |
| | 500 | CERTXPCIO3 | Lesion #3 Type of treatment<br>- PCI type:<br>Otherspecify | | String | 50 |
| | 501 | CERTVR3 | Lesion #3 Treated vessel revascularization | 1=Yes<br>2=No | Integer | |
| | 502 | CERTLR3 | Lesion #3 Treated lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 503 | CERTLRTY3 | Lesion #3 Treated lesion revascularization - Type | 1=Restenosis<br>2=Stent thrombosis<br>3=Other | Integer | |
| | 504 | CERTLRTYO3 | Lesion #3 Treated lesion revascularization - Type:<br>Other specify | | String | 50 |
| | 505 | CERNLR3 | Lesion #3 New lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 506 | CERSP3 | Lesion #3 Staged procedure with ≥ 50% stenosis at the index procedure | 1=Yes<br>2=No | Integer | |
| | 507 | CERLSCN4 | Lesion #4 Lesion segment-CASS No. | 1=Proximal RCA<br>(Rt Coronary Aretery)<br>2=MidRCA<br>(Rt Coronary Aretery)<br>3=DistalRCA<br>(Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br>(Left Anterior Desecending artery)<br>13=Mid LAD<br>(Left Anterior Desecending artery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal  LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 508 | CERDLL4 | Lesion #4 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 509 | CERTLL4 | Lesion #4 Lesion segment-CASS No. - Treated lesion location | | String | 100 |
| | 510 | CERANGTM4 | Lesion #4 Lesion segment-CASS No. - Angiographic result at this time | 1=< 50%<br>2=50%~70%<br>3=71%~99%<br>4=Total occlusion | Integer | |
| | 511 | CERSTR4 | Lesion #4 Stent thrombosis-related | 1=Yes<br>2=No | Integer | |
| | 512 | CERTX4 | Lesion #4 Type of treatment | 1=PCI (Percutaneous Coronary Intervention)<br>2=CABG (Cronary Artery Bypass Graft) | Integer | |
| | 513 | CERTXPCI4 | Lesion #4 Type | 1=BMS (Bare Metal Stent) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | of treatment<br>- PCI type | 2=DES (Drug ElutingStent)<br>3=POBA (Plain Old Balloon<br> Angioplasty)<br>4=DEB (Drug Eluting Balloon)<br>5=Other | | |
| | 514 | CERTXPCIO4 | Lesion #4 Type<br>of treatment<br>- PCI type:<br> Other specify | | String | 50 |
| | 515 | CERTVR4 | Lesion #4<br>Treated vessel<br>revascularization | 1=Yes<br>2=No | Integer | |
| | 516 | CERTLR4 | Lesion #4<br>Treated lesion<br>revascularization | 1=Yes<br>2=No | Integer | |
| | 517 | CERTLRTY4 | Lesion #4<br>Treated lesion<br>revascularization<br> - Type | 1=Restenosis<br>2=Stentthrombosis<br>3=Other | Integer | |
| | 518 | CERTLRTYO4 | Lesion #4<br>Treated lesion<br>revascularization<br> - Type: Other<br> specify | | String | 50 |
| | 519 | CERNLR4 | Lesion #4 New<br>lesion<br>revascularization | 1=Yes<br>2=No | Integer | |
| | 520 | CERSP4 | Lesion #4 Staged<br>procedure with ≥<br>50% stenosis at<br>the index<br>procedure | 1=Yes<br>2=No | Integer | |
| | 521 | CERLSCN5 | Lesion #5 Lesion<br>segment-CASS No. | 1=Proximal RCA1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal  LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 522 | CERDLL5 | Lesion  #5 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 523 | CERTLL5 | Lesion  #5 Lesion segment-CASS No. - Treated lesion location | | String | 100 |
| | 524 | CERANGTM5 | Lesion  #5 Lesion segment-CASS No. - Angiographic result at this time | 1=< 50%<br>2=50%~70%<br>3=71%~99%<br>4=Total occlusion | Integer | |
| | 525 | CERSTR5 | Lesion  #5 Stent thrombosis-related | 1=Yes<br>2=No | Integer | |
| | 526 | CERTX5 | Lesion  #5 Type of treatment | 1=PCI (Percutaneous  Coronary Intervention)<br>2=CABG (Cronary Artery Bypass Graft) | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 527 | CERTXPCI5 | Lesion #5 Type of treatment - PCI type | 1=BMS (Bare Metal Stent)<br>2=DES (Drug Eluting Stent)<br>3=POBA (Plain Old Balloon Angioplasty)<br>4=DEB (Drug Eluting Balloon)<br>5=Other | Integer | |
| | 528 | CERTXPCIO5 | Lesion #5 Type of treatment - PCI type: Other specify | | String | 50 |
| | 529 | CERTVR5 | Lesion #5 Treated vessel revascularization | 1=Yes<br>2=No | Integer | |
| | 530 | CERTLR5 | Lesion #5 Treated lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 531 | CERTLRTY5 | Lesion #5 Treated lesion revascularization - Type | 1=Restenosis<br>2=Stent thrombosis<br>3=Other | Integer | |
| | 532 | CERTLRTYO5 | Lesion #5 Treated lesion revascularization - Type: Other specify | | String | 50 |
| | 533 | CERNLR5 | Lesion #5 New lesion revascularization | 1=Yes<br>2=No | Integer | |
| | 534 | CERSP5 | Lesion #5 Staged procedure with ≥ 50% stenosis at the index procedure | 1=Yes<br>2=No | Integer | |
| | 535 | CEREVTOUT | Event Outcome | 1=Fatal<br>2=Non-fatal | Integer | |
| | 536 | CERASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 537 | CERASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 538 | CERASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 539 | CERCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 540 | CERCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 541 | CERCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 542 | CERTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 543 | CERTISPDTC | Ticagrelor Ongoing - stop date | YYYY-MM-DD | Date | |
| | 544 | CERTISPREA | Ticagrelor Ongoing - stop Reason | | String | 100 |
| | 545 | CERPRON | Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 546 | CERPRSPDTC | Prasugrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 547 | CERPRSPREA | Prasugrel Ongoing -stop reason | | String | 100 |
| | 548 | CERCION | Cilostazol Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 549 | CERCISPDTC | Cilostazol Ongoing - stop date | YYYY-MM-DD | Date | |
| | 550 | CERCISPREA | Cilostazol Ongoing - stop Reason | | String | 100 |
| | 551 | CERCOM | Comment | | String | 2000 |
| | 552 | CERADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 553 | CERADJDTC | Adjudication - Adjudication Date | YYYY-MM-DD | Date | |
| | 554 | CERADJRES | Adjudication - Adjudication Result | 1=Event<br>2=Not Event | Integer | |
| | 555 | CERADJCLD | Adjudication - Type of RR: Clinical driven | 1=Clinical driven | Integer | |
| | 556 | CERADJISD | Adjudication - Type of RR: Ischemic driven | 1=Ischemic driven | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 557 | CERADJCOM | Adjudication<br>- Adjudication<br>Comment | | String | 2000 |
| | 558 | CERSIGN | Sign by | | String | 10 |
| | 559 | CERSIGNDTC | Sign Date | YYYY-MM-DD | String | 20 |
| ST | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin  only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation  risk: mild to<br>  moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 560 | CESDTC | Date of Stent<br>thrombosis | YYYY-MM-DD | Date | |
| | 561 | CESARC | ARC(Academic<br>Reserch<br>Consortium) | 1=Definite/Confirmed<br>2=Probable<br>3=Possible | Integer | |
| | 562 | CESCLPR | Clinical<br>Presentation of<br>ST(Stent<br>Thrombosis) | 1=Sudden  Death<br>2=STEMI (ST Elevation MI,<br>  ST분절상승심근경색)<br>3=NSTEMI (Non ST Elevation MI,<br>  비ST 분절상승 심근경색)<br>4=Stable/Unstableangina<br>  (안정형협심증/불안정형협십증)<br>5=Other | Integer | |
| | 563 | CESCLPROTH | Clinical<br>Presentation of<br>ST(Stent<br>Thrombosis)<br>- Other specify | | String | 50 |
| | 564 | CESAC | Angiography<br>confirmed | 1=Yes<br>2=No | Integer | |
| | 565 | CESLSCN1 | Angiography<br>confirmed<br>-CASS#1Lesionseg<br>ment-CASSNo. | 1=Proximal  RCA1=Proximal  RCA<br>  (Rt Coronary Aretery)<br>2=MidRCA<br>  (Rt Coronary Aretery) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | | 3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | | |
| | 566 | CESDLL1 | CASS #1 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 567 | CESTLL1 | CASS #1 Lesion segment-CASS No. | | String | 100 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | - Treated lesion location | | | |
| | 568 | CESLSCN2 | Angiography confirmed<br>- CASS#2Lesion segment-CASSNo. | 1=Proximal RCA1=Proximal RCA<br> (Rt Coronary Aretery)<br>2=MidRCA<br> (Rt Coronary Aretery)<br>3=DistalRCA<br> (Rt Coronary Aretery)<br>4=RightPDA<br>5=Posterolateral (PL)<br>6=1st right PL<br>7=2nd right PL<br>8=3rd right PL<br>9=Right septal branc<br>10=Right ventricular<br>11=Leftmain<br>12=Proximal LAD<br> (Left Anterior Desecending artery)<br>13=Mid LAD<br> (Left Anterior Desecending artery)<br>14=Distal LAD<br> (Left Anterior Desecending artery)<br>15=1st diagonal<br>16=2nd diagonal<br>17=1st septal<br>18=Proximal LCX<br> (left CircumfleX artery)<br>19=Distal LCX<br> (left CircumfleX artery)<br>20=1st OM<br> (Obtuse Marginal branch)<br>21=2nd OM<br> (Obtuse Marginal branch)<br>22=3rd OM<br> (Obtuse Marginal branch)<br>23=Left atrioventric<br>24=1st left PL<br>25=2nd left PL<br>26=3rd PL<br>27=Left PDA<br>28=Ramus branch<br>29=3rd diagonal<br>30=SVG<br>31=LIMA insitu<br>32=RIMA insitu<br>33=Free arteral graf<br>34=Others | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 569 | CESDLL2 | CASS #2 Lesion segment-CASS No. - Diseased lesion location | | String | 100 |
| | 570 | CESTLL2 | CASS #2 Lesion segment-CASS No. -Treatedlesionlocation | | String | 100 |
| | 571 | CESTXTYP | Type of the Treatment related to this event | 1=Medication<br>2=Thrombolysis<br>3=PCI (Percutaneous Coronary Intervention)<br>4=CABG (Cronary Artery Bypass Graft) | Integer | |
| | 572 | CESEVTOUT | Event Outcome | 1=Fatal<br>2=Non-fatal | Integer | |
| | 573 | CESASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 574 | CESASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 575 | CESASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 576 | CESCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 577 | CESCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 578 | CESCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 579 | CESTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 580 | CESTISPDTC | Ticagrelor Ongoing - stop date | YYYY-MM-DD | Date | |
| | 581 | CESTISPREA | Ticagrelor Ongoing - stop Reason | | String | 100 |
| | 582 | CESPRON | Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 583 | CESPRSPDTC | Prasugrel | YYYY-MM-DD | Date | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | Ongoing<br> - stop date | | | |
| | 584 | CESPRSPREA | Prasugrel<br>Ongoing<br> - stop reason | | String | 100 |
| | 585 | CESCION | Cilostazol<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 586 | CESCISPDTC | Cilostazol<br>Ongoing<br> - stop date | YYYY-MM-DD | Date | |
| | 587 | CESCISPREA | Cilostazol<br>Ongoing<br> - stop Reason | | String | 100 |
| | 588 | CESCOM | Comment | | String | 2000 |
| | 589 | CESADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 590 | CESADJDTC | Adjudication<br> - Adjudication<br>Date | YYYY-MM-DD | Date | |
| | 591 | CESADJRES | Adjudication<br> - Adjudication<br>Result | 1=Event<br>2=Not Event | Integer | |
| | 592 | CESADJCOM | Adjudication<br> - Adjudication<br>Comment | | String | 2000 |
| | 593 | CESSIGN | Sign by | | String | 10 |
| | 594 | CESSIGNDTC | Sign date | YYYY-MM-DD | String | 20 |
| CVA | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | 595 | CECDTC | Date of CVA (CerebeoVascular Accident, 뇌졸중) | YYYY-MM-DD | Date | |
| | 596 | CECTY | Type of CVA (CerebeoVascular Accident, 뇌졸중) | 1=Stroke 2=TIA (Transient Ischemic Attack) | Integer | |
| | 597 | CECSTRTY | Type of CVA (CerebeoVascular Accident, 뇌졸중) - Type of stroke | 1=Ischemic 2=Hemorrhagic 3=Mixed 4=Unknown | Integer | |
| | 598 | CECNEU | Confirmed by Neurologist | 1=Yes 2=No | Integer | |
| | 599 | CECIMG | Stroke verified by imaging study | 1=Yes 2=No | Integer | |
| | 600 | CECCT | Stroke verified by imaging study - CT (Computed Tomography) | 1=CT | Integer | |
| | 601 | CECMRI | Stroke verified by imaging study - MRI (Magnetic Resonance Imaging) | 1=MRI | Integer | |
| | 602 | CECANG | Stroke verified by imaging study - Angiography | 1=Angiography | Integer | |
| | 603 | CECOTH | Stroke verified by imaging study - Others | 1=Others | Integer | |
| | 604 | CECOTHDESC | Stroke verified by imaging study - Others: specify | | String | 50 |
| | 605 | CECTXNON | Treatment related to this event: None | 1=None | Integer | |
| | 606 | CECTXMET | Treatment related to this event: Medical except thrombolysis | 1=Medical except thrombolysis | Integer | |
| | 607 | CECTXTHR | Treatment related to this event: Thrombolysis | 1=Thrombolysis | Integer | |
| | 608 | CECTXPI | Treatment related to this event: Percutaneous intervention | 1=Percutaneous intervention | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 609 | CECTXSUR | Treatment related to this event: Surgery | 1=Surgery | Integer | |
| | 610 | CECSEQ | Sequelae after this event | 1=Asymptomatic<br>2=Mild<br>3=Moderate<br>4=Severe<br>5=Death | Integer | |
| | 611 | CECEVTOUT | Event outcome | 1=Fatal<br>2=Non-fatal | Integer | |
| | 612 | CECASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 613 | CECASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 614 | CECASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 615 | CECCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 616 | CECCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 617 | CECCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 618 | CECTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 619 | CECTISPDTC | Ticagrelor Ongoing - stop date | YYYY-MM-DD | Date | |
| | 620 | CECTISPREA | Ticagrelor Ongoing - stop Reason | | String | 100 |
| | 621 | CECPRON | Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 622 | CECPRSPDTC | Prasugrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 623 | CECPRSPREA | Prasugrel Ongoing - stop reason | | String | 100 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 624 | CECCION | Cilostazol<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 625 | CECCISPDTC | Cilostazol<br>Ongoing<br> - stop date | YYYY-MM-DD | Date | |
| | 626 | CECCISPREA | Cilostazol<br>Ongoing<br> - stop Reason | | String | 100 |
| | 627 | CECCOM | Comment | | String | 2000 |
| | 628 | CECADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 629 | CECADJDTC | Adjudication<br> - Adjudication<br> Date | YYYY-MM-DD | Date | |
| | 630 | CECADJRES | Adjudication<br> - Adjudication<br> Result | 1=Event<br>2=Not Event | Integer | |
| | 631 | CECADJCOM | Adjudication<br> - Adjudication<br> Comment | | String | 2000 |
| | 632 | CECSIGN | Sign by | | String | 10 |
| | 633 | CECSIGNDTC | Sign Date | YYYY-MM-DD | String | 20 |
| Bleeding | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 634 | CEBDTC | Date of Bleeding | YYYY-MM-DD | Date | |
| | 635 | CEBTM | Bleeding Time | 1=5days before op<br>2=postop~discharge<br>3=Afterdischarge~POD#30days<br>  (POD: PostOperativeDay) | Integer | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | 636 | CEBHBBA | Hb(Hemoglobin): Baseline(Before bleeding) (g/dL) | ND=Not Done | String | 10 |
| | 637 | CEBHBAT | Hb(Hemoglobin): At the Bleeding (g/dL) | ND=Not Done | String | 10 |
| | 638 | CEBHBDI | Hb(Hemoglobin): Discharge of post transfusion (g/dL) | ND=Not Done | String | 10 |
| | 639 | CEBHCTBA | Hct: Baseline(Before bleeding) (%) | ND=Not Done | String | 5 |
| | 640 | CEBHCTAT | Hct: At the Bleeding (%) | ND=Not Done | String | 5 |
| | 641 | CEBHCTDI | Hct: Discharge of post transfusion (%) | ND=Not Done | String | 5 |
| | 642 | CEBTRA | Were any of the following blood products transfused? | 1=Yes 2=No | Integer | |
| | 643 | CEBTRADTC | Were any of the following blood products transfused? - Date of transfusion | YYYY-MM-DD | Date | |
| | 644 | CEBTRAWB | Were any of the following blood products transfused? - Whole blood | 1=Whole blood | Integer | |
| | 645 | CEBTRAWBU | Were any of the following blood products transfused? - Whole blood: units(units) | | String | 5 |
| | 646 | CEBTRARBC | Were any of the following blood products transfused? - RBCs (Red Blood Cells) | 1=RBCs | Integer | |
| | 647 | CEBTRARBCU | Were any of the following blood products | | String | 5 |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | transfused?<br>- RBCs<br>(Red Blood<br>Cells):<br>units(units) | | | |
| | 648 | CEBTRAPLT | Were any of the following blood products transfused?<br>- Platelets | 1=Platelets | Integer | |
| | 649 | CEBTRAPLTU | Were any of the following blood products transfused?<br>- Platelets: units(units) | | String | 5 |
| | 650 | CEBTRAFFP | Were any of the following blood products transfused?<br>- FFP<br>(Fresh Frozen Plasma) | 1=FFP | Integer | |
| | 651 | CEBTRAFFPU | Were any of the following blood products transfused?<br>-FFP(FreshFrozenPlasma):units(units) | 666666=응답 대상에 해당하지<br>않음<br>777777=추적조사미참여<br>888888=응답을하지않음 | String | 5 |
| | 652 | CEBTRAO | Were any of the following blood products transfused?<br>- Others | 1=Others | Integer | |
| | 653 | CEBTRAONAM | Were any of the following blood products transfused?<br>- Others specify | | String | 100 |
| | 654 | CEBTRAOU | Were any of the following blood products transfused?<br>- Others units(units) | | String | 5 |
| | 655 | CEBINTCRA | Source of BL :<br>Intracranial | 1=Intracranial | Integer | |
| | 656 | CEBINTOCU | Source of BL :<br>Intraocular | 1=Intraocular | Integer | |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 657 | CEBRET | Source of BL : Retroperitoneal | 1=Retroperitoneal | Integer | |
| | 658 | CEBPH | Source of BL : Pericardial hemorrhage (Hemopericardium) | 1=Pericardial hemorrhage | Integer | |
| | 659 | CEBHEMO | Source of BL : Hemoptysis | 1=Hemoptysis | Integer | |
| | 660 | CEBINTSPI | Source of BL : Intraspinal | 1=Intraspinal | Integer | |
| | 661 | CEBINTART | Source of BL : Intraarticular | 1=Intraarticular | Integer | |
| | 662 | CEBEPI | Source of BL : Epistaxis | 1=Epistaxis | Integer | |
| | 663 | CEBGIN | Source of BL : Gingival bleeding | 1=Gingival bleeding | Integer | |
| | 664 | CEBGI | Source of BL: GI(GastroIntestinal) bleeding (more than Guiac test, including hematemesis, melena..) | 1=GI bleeding | Integer | |
| | 665 | CEBGU | Source of BL : GU bleeding (gross hematuria) | 1=GU bleeding | Integer | |
| | 666 | CEBPHA | Source of BL : Pharyngeal or other oral | 1=Pharyngeal or other oral | Integer | |
| | 667 | CEBPUL | Source of BL : Pulmonary bleeding | 1=Pulmonary bleeding | Integer | |
| | 668 | CEBHEMA | Source of BL : Hematoma ≥ 5cm at access site | 1=Hematoma ≥ 5cm at access site | Integer | |
| | 669 | CEBOOZ | Source of BL : Oozing at puncture site | 1=Oozing at puncture site | Integer | |
| | 670 | CEBDER | Source of BL : Subcutaneous/dermal | 1=Subcutaneous/dermal | Integer | |
| | 671 | CEBAS | Source of BL : Access site bleeding requiring intervention/surgery | 1=Access site bleeding requiring intervention/surgery | Integer | |
| | 672 | CEBUK | Source of BL : Unknown | 1=Unknown | Integer | |
| | 673 | CEBOTH | Source of BL : Others | 1=Others | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 674 | CEBOTHDESC | Source of BL :<br>Others<br>- Others specify | | String | 200 |
| | 675 | CEBTYTIMI | TIMI(Thrombolysis<br>in Myocardial<br>Infarction) | 1=Major<br>2=Minor<br>3=Minimal | Integer | |
| | 676 | CEBTYFAT | TIMI(Thrombolysis<br>in Myocardial<br>Infarction)<br>-Fatal(치명적출혈) | 1=Fatal | Integer | |
| | 677 | CEBTYHYPO | TIMI(Thrombolysis<br>in Myocardial<br>Infarction)<br>- Hypotension<br>requiring<br>treatment with<br>intravenous<br>inotropic agents<br>(Inotropic제제의정<br>맥내투여가필요한<br>저혈압) | 1=Hypotension requiring treatment<br>with intravenous inotropic agents | Integer | |
| | 678 | CEBTYREQ | TIMI(Thrombolysis<br>in Myocardial<br>Infarction)<br>- Requires surgical<br>intervention for<br>ongoing bleeding<br>(중재가 필요한<br>지속적 출혈) | 1=Requires surgical intervention for<br>ongoing bleeding | Integer | |
| | 679 | CEBTYICH | TIMI(Thrombolysis<br>in Myocardial<br>Infarction)<br>- Symptomatic<br>intracranial<br>hemorrhagic(ICH,<br>증상을 동반하는<br>두개내출혈) | 1=Symptomatic intracranial<br>hemorrhagic(ICH) | Integer | |
| | 680 | CEBTYDEC | TIMI(Thrombolysis<br>in Myocardial<br>Infarction)<br>- A decline in the<br>hemoglobin level of<br>at least 5.0g/dL or<br>a fall in hematocrit<br>of >15% (Hb수치가<br>5g/dL 또는 HCT15%<br>이상 감소하는출혈) | 1=A decline in the hemoglobin<br>level of at least 5.0g/dL or a fall<br>in hematocrit of >15% | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 681 | CEBTYRBC | TIMI(Thrombolysis in Myocardial Infarction)<br>- Transfusion of at least 4units of whole blood or RBC (RBC 또는 whole blood 4개이상의 수혈이 필요한 출혈) | 1=Transfusion of at least 4units of whole blood or RBC | Integer | |
| | 682 | CEBTYBARC | BARC(Bleeding Academic Reserch Consortium) | 1=Type0<br>2=Type1<br>3=Type2<br>4=Type3<br>5=Type4<br>6=Type5 | Integer | |
| | 683 | CEBTYBARC3 | BARC(Bleeding Academic Reserch Consortium)<br>-Type3a/3b/3c | 1=Type3a<br>2=Type3b<br>3=Type3c | Integer | |
| | 684 | CEBTY3AOVE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type 3a – Overt bleeding plus hemoglobin drop of 3 to < 5g/dL (Hb수치가 3~5g/dL 감소하는 확연한 출혈) | 1=Overt bleeding plus hemoglobin drop of 3 to < 5 g/dL | Integer | |
| | 685 | CEBTY3AANY | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3a – Any transfusion with overt bleeding (수혈이 필요한 확연한 출혈) | 1=Any transfusion with overt bleeding | Integer | |
| | 686 | CEBTY3BOVE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Overt bleeding plus hemoglobin drop≥5g/dL (Hb수치가 5g/dL이상 감소하는 확연한 출혈) | 1=Overt bleeding plus hemoglobin drop ≥ 5g/dL | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 687 | CEBTY3BCAR | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Cardiac tamponade<br>(심장압전술이필요한경우) | 1=Cardiac tamponade | Integer | |
| | 688 | CEBTY3BCON | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Bleeding requiring surgical intervention for control(excludingdental/nasal/skin/hemorrhoid, 지혈을 위한 외과적중재가 필요한 출혈<br>(치아출혈, 코피, 피부출혈, 치질출혈제외)) | 1=Bleeding requiring surgical intervention for control (excluding dental/nasal/skin/hemorrhoid) | Integer | |
| | 689 | CEBTY3BAGE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Bleeding requiring intravenous vasoactive agents<br>(정맥내승압제의 투여가 필요한 출혈) | 1=Bleeding requiring intravenous vasoactive agents | Integer | |
| | 690 | CEBTY3CIH | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3c: Intracranial hemorrhage (does not include microbleeds or hemorrhagic transformation, does include intraspinal, 두개내출혈<br>(미세출혈이나 | 1=Intracranial hemorrhage (does not include microbleeds or hemorrhagic transformation, does include intraspinal) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | 뇌경색이후의<br>출혈성변형은<br>제외하며 척수내<br>출혈은 포함)) | | | |
| | 691 | CEBTY3CSC | BARC(Bleeding<br>Academic Reserch<br>Consortium)<br>- If Type3c:<br>Subcategories<br>confirmed by<br>autopsy or<br>imagingor lumbar<br>puncture(부검,<br>영상검사 또는<br>요추천자에 의해<br>확인 된 출혈) | 1=Subcategories confirmed by<br>autopsy or imaging or lumbar<br>puncture | Integer | |
| | 692 | CEBTY3CICV | BARC(Bleeding<br>Academic Reserch<br>Consortium)<br>- If Type3c:<br>Intraocular bleed<br>compromising<br>vision(시력을<br>위협하는 안구내<br>출혈) | 1=Intraocular bleed compromising<br>vision | Integer | |
| | 693 | CEBTY4PI | BARC(Bleeding<br>Academic Reserch<br>Consortium)<br>- If Type4:<br>Perioperative<br>intracranial<br>bleeding within<br>48hr (수술 중<br>또는 수술 후<br>48시간이내의 두<br>개 내 출혈) | 1=Perioperative intracranial<br>bleeding within 48hr | Integer | |
| | 694 | CEBTY4REOP | BARC(Bleeding<br>Academic Reserch<br>Consortium)<br>- If Type4:<br>Reoperation after<br>closure of sternotomy<br>for the purpose of<br>controlling bleeding<br>(지혈을 위한<br>재수술이 필요한 경우) | 1=Reoperation after closure of<br>sternotomy for the purpose of<br>controlling bleeding | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 695 | CEBTY4TRA | BARC(Bleeding Academic Reserch Consortium)<br>- IfType4: Transfusion of ≥5U whole blood or packed red blood cells within a 48-h period<br>(48시간이내에 RBC 또는 wholeblood5개 이상의 수혈이 필요한 경우) | 1=Transfusion of ≥ 5U whole blood or packed red blood cells within a 48-h period<br>666666=응답대상에해당하지않음<br>777777=추적조사미참여<br>888888=응답을하지않음 | Integer | |
| | 696 | CEBTY4CHE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type4: Chest tube output ≥ 2L within a 24-h period<br>(24시간이내에 흉관배액량이 2L이상인경우) | 1=Chest tube output ≥ 2L within a 24-h period | Integer | |
| | 697 | CEBTY5A | BARC(Bleeding Academic Reserch Consortium)<br>- If Type5 (Fatalbleeding, 치명적출혈): Type5a-Probable fatal bleeding; no autopsy or imaging confirmation but clinically suspicious<br>(부검이나 영상확인은 시행하지 않았지만 임상적으로 치명적 출혈이 의심되는 경우) | 1=Type 5a: Probable fatal bleeding; no autopsy or imaging confirmation but clinically suspicious | Integer | |
| | 698 | CEBTY5B | BARC(Bleeding Academic Reserch Consortium)<br>- If Type5 | 1=Type 5b: Definite fatal bleeding; overt bleeding or autopsy or imaging confirmation | Integer | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | | | (Fatalbleeding, 치명적출혈): Type5b- Definite fatal bleeding; overt bleeding or autopsy or imaging confirmation (확연한 출혈 또는 부검이나 영상검사로 확인된 명백한 치명적 출혈) | | | |
| | 699 | CEBEVTOUT | Event outcome | 1=Fatal<br>2=Non-fatal | Integer | |
| | 700 | CEBASON | Aspirin Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 701 | CEBASSPDTC | Aspirin Ongoing - stop date | YYYY-MM-DD | Date | |
| | 702 | CEBASSPREA | Aspirin Ongoing - stop reason | | String | 100 |
| | 703 | CEBCLON | Clopidogrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 704 | CEBCLSPDTC | Clopidogrel Ongoing - stop date | YYYY-MM-DD | Date | |
| | 705 | CEBCLSPREA | Clopidogrel Ongoing - stop Reason | | String | 100 |
| | 706 | CEBTION | Ticagrelor Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 707 | CEBTISPDTC | Ticagrelor Ongoing - stop date | YYYY-MM-DD | Date | |
| | 708 | CEBTISPREA | Ticagrelor Ongoing - stop Reason | | String | |
| | 709 | CEBPRON | Prasugrel Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 710 | CEBPRSPDTC | Prasugrel<br>Ongoing<br>- stop date | YYYY-MM-DD | Date | |
| | 711 | CEBPRSPREA | Prasugrel<br>Ongoing<br>- stop reason | | String | 100 |
| | 712 | CEBCION | Cilostazol<br>Ongoing | 1=Yes<br>2=No<br>3=Unknown<br>4=NU(Not Used) | Integer | |
| | 713 | CEBCISPDTC | Cilostazol<br>Ongoing<br>- stop date | YYYY-MM-DD | Date | |
| | 714 | CEBCISPREA | Cilostazol<br>Ongoing<br>- stop Reason | | String | 100 |
| | 715 | CEBCOM | Comment | | String | 2000 |
| | 716 | CEBADJ | Adjudication | 1=Yes<br>2=No | Integer | |
| | 717 | CEBADJDTC | Adjudication<br>- Adjudication Date | YYYY-MM-DD | Date | |
| | 718 | CEBADJRES | Adjudication<br>- Adjudication<br>Result | 1=Event<br>2=Not Event | Integer | |
| | 719 | CEBADJCOM | Adjudication<br>- Adjudication<br>Comment | | String | 2000 |
| | 720 | CEBSIGN | Sign by | | String | 10 |
| | 721 | CEBSIGNDTC | Sign Date | YYYY-MM-DD | String | 20 |
| EQ-5D | 공통<br>변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군<br>요인분류 | 1=Operation risk: mild to<br>moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |

| 도메인명 | 변수 번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수 유형 | 길이 |
|---|---|---|---|---|---|---|
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 722 | QSE5DTC | 설문 날짜 | YYYY-MM-DD | Date | |
| | 723 | QSE5ND | Not Done | 1=Not Done | Integer | |
| | 724 | QSE5SVY1 | 이동력 | 5=나는 걷는데 전혀 지장이 없다<br>4=나는 걷는데 약간 지장이 있다<br>3=나는 걷는데 중간정도의 지장이 있다<br>2=나는 걷는데 심한 지장이 있다<br>1=나는 걸을 수 없다 | Integer | |
| | 725 | QSE5SVY2 | 자기 관리 | 5=나는 혼자 씻거나 옷을 입는데 전혀 지장이 없다<br>4=나는 혼자씻거나 옷을 입는데 약간 지장이 있다<br>3=나는 혼자 씻거나 옷을 입는 데 중간정도의 지장이 있다<br>2=나는 혼자씻거나 옷을 입는데 심한지장이 있다<br>1=나는 혼자씻거나 옷을 입을 수 없다. | Integer | |
| | 726 | QSE5SVY3 | 일상 활동 | 5=나는 일상 활동을 하는데 전혀 지장이 없다<br>4=나는일상활동을하는데약간지장이 있다<br>3=나는일상활동을하는데중간정도의 지장이있다<br>2=나는일상활동을하는데심한지장이 있다<br>1=나는일상활동을할수없다 | Integer | |
| | 727 | QSE5SVY4 | 통증 / 불편감 | 5=나는 전혀 통증이나 불편감이 없다<br>4=나는 약간 통증이나 불편감이있다<br>3=나는 중간정도의 통증이나 불편감이 있다<br>2=나는 심한통증이나 불편감이 있다<br>1=나는 극심한통증이나 불편감이있다 | Integer | |
| | 728 | QSE5SVY5 | 불안 / 우울 | 5=나는 전혀 불안하거나 우울하지 않다<br>4=나는 약간 불안하거나 우울하다<br>3=나는 중간정도로 불안하거나 우울하다<br>2=나는 심하게 불안하거나 우울하다<br>1=나는 극도로 불안하거나 우울하다 | Integer | |
| | 729 | QSE5SVY6 | 오늘 당신의 건강상태 | | String | 5 |
| | 730 | QSE5COM | Comment | | String | 2000 |

| 도메인명 | 변수번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수유형 | 길이 |
|---|---|---|---|---|---|---|
| | 공통변수 | SUBJNO | 대상자번호 | AD□□R-0000<br>□□:기관코드<br>0000:대상자부여번호 | | |
| | | ARMID | 무작위배정군 | 1=Aspirin only<br>2=No_antiplatelet | Integer | |
| | | ARMFACTORS | 무작위배정군 요인분류 | 1=Operation risk: mild to moderate<br>2=Operation risk: high | Integer | |
| | | VISITNM | 방문명 | Baseline<br>Operation<br>30days Evaluation<br>Final Actual Treatment<br>Death<br>MI<br>RR<br>ST<br>CVA<br>Bleeding | String | |
| | | VISITDT | 방문일 | YYYY-MM-DD | Date | |
| | 731 | QSH8DTC | 설문 날짜 | YYYY-MM-DD | Date | |
| | 732 | QSH8ND | Not_Done | 1=Not Done | Integer | |
| HINT-8 | 733 | QSH8SVY1 | 질문1 | 4=나는 계단을 오르는 데 어려움이 전혀 없었다<br>3=나는 계단을 오르는데 어려움이 약간 있었다<br>2=나는 계단을 오르는데 어려움이 많이 있었다<br>1=나는 계단을 오를 수 없었다 | Integer | |
| | 734 | QSH8SVY2 | 질문2 | 4=나는 전혀 통증이 없었다<br>3=나는약한통증이있었다<br>2=나는 심한통증이 있었다<br>1=나는 극심한 통증이 있었다 | Integer | |
| | 735 | QSH8SVY3 | 질문3 | 4=나는 항상 기운이 있었다<br>3=나는 자주 기운이 있었다<br>2=나는 가끔 기운이 있었다<br>1=나는 전혀 기운이 없었다 | Integer | |
| | 736 | QSH8SVY4 | 질문4 | 4=나는 일을 하는 데 어려움이 전혀 없었다<br>3=나는 일을하는데 어려움이 약간 있었다<br>2=나는 일을 하는데 어려움이 많이 있었다<br>1=나는 일을 할 수 없었다 | Integer | |
| | 737 | QSH8SVY5 | 질문5 | 4=나는 전혀 우울하지 않았다<br>3=나는 가끔 우울했다<br>2=나는 자주 우울했다<br>1=나는 항상 우울했다 | Integer | |

| 도메인명 | 변수<br>번호 | 변수명 | 변수설명(단위) | 코딩내용 | 변수<br>유형 | 길이 |
|---|---|---|---|---|---|---|
| | 738 | QSH8SVY6 | 질문6 | 4=나는 기억하는 데 어려움이 전혀<br>없었다<br>3=나는 기억하는데 어려움이 약간<br>있었다<br>2=나는 기억하는데 어려움이 많이<br>있었다<br>1=나는 전혀 기억을 할 수 없었다 | Integer | |
| | 739 | QSH8SVY7 | 질문7 | 4=나는 잠을 자는 데 어려움이 전혀<br>없었다<br>3=나는 잠을 자는데 어려움이 약간<br>있었다<br>2=나는 잠을 자는데 어려움이 많이<br>있었다<br>1=나는 잠을 잘 수 없었다 | Integer | |
| | 740 | QSH8SVY8 | 질문8 | 4=나는 항상 행복했다<br>3=나는 자주 행복했다<br>2=나는 가끔 행복했다<br>1=나는 전혀 행복하지 않았다 | Integer | |
| | 741 | QSH8COM | Comment | | String | 2000 |

## 2. 변수 목록

※ 변수에 대한 코딩 정보는 변수번호를 통해 '1. 변수 상세 설명'에서 확인하실 수 있습니다.

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 공통<br>변수 | SUBJNO | 대상자번호 |
| | ARMID | 무작위배정군 |
| | ARMFACTORS | 무작위배정군 - 요인분류 |
| | VISITNM | 방문명 |
| | VISITDT | 방문일 |
| 1 | SEX_SYS_VAL | 성별 |
| 2 | BIRTHDT_SYS_VAL | 생년월일 |
| 3 | SUBJID | Subject Number |
| 4 | ICFDTC | 동의를 얻은 날짜 |
| 5 | DMDTC | Date of Enrollment |
| 6 | DMBRTHDTC | Year of Birth (yyyy) |
| 7 | DMAGE | Age (years) |
| 8 | DMSEX | Gender |
| 9 | DMDEP | Department |
| 10 | DMDEPOTH | Department – Other specify |
| 11 | DMOPE | Operation |
| 12 | DMOPEOTH | Operation – Other specify |
| 13 | DMOPERISK | Operation Risk |
| 14 | DMRANCD | Random Code |
| 15 | DMACTTX | Actual Treatment |
| 16 | DMREAS | Actual Treatment - Changed reason |
| 17 | DMREASOTH | Actual Treatment - Changed reason: other specify |
| 18 | DMVIO | Protocol violation |
| 19 | DMVIOREAS | Protocol violatio - Reason of protocol violation |
| 20 | DMWIT | Withdraw |
| 21 | DMWITREAS | Withdraw - Reason of withdraw |
| 22 | DMCOM | Comment |
| 23 | IEDTC | 선정, 제외기준 정보수집일 |
| 24 | IEORRES1 | Inclusion1) 만 19세 이상<br>Subject was ≥ 19 years of age |
| 25 | IEORRES2 | Inclusion2) 적어도 1개 이상의 관상 동맥 약물 방출 스텐트 시술을 성공적으로 받은 경우<br>Patients who successfully implanted at least one or more coronary drug-eluting stents |
| 26 | IEORRES3 | Inclusion3) 스텐트 삽입 시술 후 12개월 이상 경과한 시점에 수술이 예정된 환자<br>Patients scheduled for surgery at 12 months after stenting |
| 27 | IEORRES4 | Inclusion4) 전신 마취하에 정규 비심장성 수술이 계획된 환자<br>Patients scheduled for elective non-cardiac surgery |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 28 | IEORRES5 | Inclusion5)  환자 또는 법정 대리인이 연구계획서와 추적 조사에 동의하고, 연구기관의 연구심의 위원회/윤리 위원회가 승인한 임상시험 대상자 동의서에 서면으로 사전 동의한 경우<br>The patient or guardian agrees to the study protocol and the schedule of clinical follow-up, and provides informed, written consent, as approved by the appropriate Institutional Review Board/Ethical Committee of the respective clinical site. |
| 29 | IEORRES6 | Exclusion1)  현재 급성 관동맥 증후군의 증거가 있거나 1달 이내에 발생한 심근경색을 경험한 경우<br>Patient who currently have a symptom of acute coronary syndrome or myocardial infarction within 1month |
| 30 | IEORRES7 | Exclusion2)  중증 심부전(EF≤30%) 혹은 중증 이상의 판막 질환으로 NYHA III~IV의 호흡곤란이 있는 경우<br>Patient who have dyspnea on exertion (NYHAFcIII~IV) due to severe left ventricular dysfunction (EF≤30%) or severe valvular heart disease |
| 31 | IEORRES8 | Exclusion3)  아스피린의 부작용으로 복용이 어려운 경우<br>Patient who have Into lerance for aspirin |
| 32 | IEORRES9 | Exclusion4)  항응고제를 투여해야 하는 경우<br>Patient who need for anticoagulation therapy |
| 33 | IEORRES10 | Exclusion5)  응급 수술인 경우<br>Emergent operation |
| 34 | IEORRES11 | Exclusion6)  심장 혹은 경동맥 수술<br>Cardiac surgery |
| 35 | IEORRES12 | Exclusion7)  출혈 시 위험도가 매우 높은 수술 (Intra-cranial surgery, Intra-spinal surgery, Retinal surgery)<br>Very high bleeding risk (ex, Intra-cranial surgery, Intra-spinal surgery, Retinal surgery) |
| 36 | IEORRES13 | Exclusion8)  Screening visit, 신체검진, 혈액검사 또는 심전도 검사에서 확인된 연구자 판단에 의한 연구의 안전성을 침해할 만한 임상적으로 유의한 비정상적 소견이 있는 경우<br>Patient who have significantly abnormal findings which identified violation for safety by investigator on physical examination, blood test and electro cardiogram |
| 37 | IEORRES14 | Exclusion9)  연구계획서에 설명된 절차를 원하지 않거나 준수 할 수 없는 경우<br>Concurrent medical condition with a life expectancy of less than 1years |
| 38 | IEORRES15 | Exclusion10)  임신부, 수유부 또는 가임 여성<br>Pregnantand/orlactating women |
| 39 | IEORRES16 | Exclusion11)  기대여명이 1년 이하인 경우<br>Patient was unable to provide written informed consent or participate in log-term followup |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 40 | VSSTAT | Vital Sign |
| 41 | VSDTC | Date of V/S (Vital Sign) |
| 42 | VSHEIGHT | 신장 (cm) |
| 43 | VSWEIGHT | 체중 (kg) |
| 44 | VSBMI | BMI (body Mass Index, 신체질량지수) (kg/m²) |
| 45 | VSSYSBP | 수축기 혈압 (mmHg) |
| 46 | VSDIABP | 이완기 혈압 (mmHg) |
| 47 | VSPULSE | 맥박 (beats/min) |
| 48 | BALPCIDTC | Date of last PCI (Percutaneous Coronary Intervention) |
| 49 | BALDIA | Diagnosis of last PCI (Percutaneous Coronary Intervention) |
| 50 | BALDIAUND | Diagnosis of last PCI - Undefinedspecify |
| 51 | BALDISLM | Diseased vessel of last PCI – LM (Left Main, 좌측주관관상동맥) |
| 52 | BALDISLAD | Diseased vessel of last PCI – LAD (Left Anterior Desecending artery, 좌전하행동맥) |
| 53 | BALDISLCX | Diseased vessel of last PCI – LCX (Left CircumfleX artery, 좌회선동맥) |
| 54 | BALDISRCA | Diseased vessel of last PCI – RCA (Rt Coronary Aretery, 우측관상동맥) |
| 55 | BALDISRAM | Diseased vessel of last PCI – Ramus (Ramus Intermedius, 중간가지분지) |
| 56 | BALDISUK | Diseased vessel of last PCI - Unknown |
| 57 | BALSTELM | Stented vessel of last PCI – LM (LeftMain, 좌측주관관상동맥) |
| 58 | BALSTELAD | Stented vessel of last PCI – LAD (Left Anterior Desecending artery, 좌전하행동맥) |
| 59 | BALSTELCX | Stented vessel of last PCI – LCX (Left CircumfleX artery, 좌회선동맥) |
| 60 | BALSTERCA | Stented vessel of last PCI – RCA (RtCoronaryAretery, 우측관상동맥) |
| 61 | BALSTERAM | Stented vessel of last PCI – Ramus (Ramus Intermedius, 중간가지분지) |
| 62 | BALSTEUK | Stented vessel of last PCI - Unknown |
| 63 | BAABIFUR | Bifurcation two stenting of All PCI |
| 64 | BAASTELM | Stented vessel of All PCI – LM (Left Main, 좌측주관관상동맥) |
| 65 | BAASTELAD | Stented vessel of All PCI – LAD (Left Anterior Desecending artery, 좌전하행동맥) |
| 66 | BAASTELCX | Stented vessel of All PCI – LCX (Left CircumfleX artery, 좌회선동맥) |
| 67 | BAASTERCA | Stented vessel of All PCI – RCA (Rt Coronary Aretery, 우측관상동맥) |
| 68 | BAASTERAM | Stented vessel of All PCI – Ramus (Ramus Intermedius, 중간가지분지) |
| 69 | BAASTEUK | Stented vessel of All PCI - Unknown |
| 70 | BASEG1 | Lesion  #1 segment - CASS No. |
| 71 | BAPCIDTC1 | Lesion  #1 segment - CASS No. - PCI (Percutaneous Coronary Intervention) date |
| 72 | BAST1 | Lesion  #1 segment - CASS No. - Stentname |
| 73 | BASTOTH1 | Lesion  #1 Stent name - Otherspecify |
| 74 | BASTSIZ1 | Lesion  #1 Stent name - Size(mm) |
| 75 | BASTLEN1 | Lesion  #1 Stent name - Length(mm) |
| 76 | BASEG2 | Lesion  #2 segment - CASS No. |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 77 | BAPCIDTC2 | Lesion #2 segment - CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 78 | BAST2 | Lesion #2 segment - CASS No. -Stent name |
| 79 | BASTOTH2 | Lesion #2 Stent name – Other specify |
| 80 | BASTSIZ2 | Lesion #2 Stent name - Size(mm) |
| 81 | BASTLEN2 | Lesion #2 Stent name - Length(mm) |
| 82 | BASEG3 | Lesion #3 segment - CASS No. |
| 83 | BAPCIDTC3 | Lesion #3 segment - CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 84 | BAST3 | Lesion #3 segment - CASS No. - Stent name |
| 85 | BASTOTH3 | Lesion #3 Stent name – Other specify |
| 86 | BASTSIZ3 | Lesion #3 Stent name – Size (mm) |
| 87 | BASTLEN3 | Lesion #3 Stent name – Length (mm) |
| 88 | BASEG4 | Lesion #4 segment - CASS No. |
| 89 | BAPCIDTC4 | Lesion #4 segment - CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 90 | BAST4 | Lesion #4 segment-CASS No. - Stentname |
| 91 | BASTOTH4 | Lesion #4 Stent name – Other specify |
| 92 | BASTSIZ4 | Lesion #4 Stent name - Size(mm) |
| 93 | BASTLEN4 | Lesion #4 Stent name - Length(mm) |
| 94 | BASEG5 | Lesion #5 segment - CASS No. |
| 95 | BAPCIDTC5 | Lesion #5 segment - CASS No. - PCI (Percutaneous Coronary Intervention) date |
| 96 | BAST5 | Lesion #5 segment - CASS No. - Stent name |
| 97 | BASTOTH5 | Lesion #5 Stent name – Other specify |
| 98 | BASTSIZ5 | Lesion #5 Stent name - Size(mm) |
| 99 | BASTLEN5 | Lesion #5 Stent name - Length(mm) |
| 100 | BASEG6 | Lesion #6 segment- CASS No. |
| 101 | BAPCIDTC6 | Lesion #6 segment- CASS No. - PCI (Percutaneous Coronary Intervention) date |
| 102 | BAST6 | Lesion #6 segment-CASS No. - Stent name |
| 103 | BASTOTH6 | Lesion #6 Stent name –Other specify |
| 104 | BASTSIZ6 | Lesion #6 Stent name – Size (mm) |
| 105 | BASTLEN6 | Lesion #6 Stent name – Length (mm) |
| 106 | BASEG7 | Lesion #7 segment-CASS No. |
| 107 | BAPCIDTC7 | Lesion #7 segment-CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 108 | BAST7 | Lesion #7 segment - CASS No. - Stent name |
| 109 | BASTOTH7 | Lesion #7 Stent name – Other specify |
| 110 | BASTSIZ7 | Lesion #7 Stent name – Size (mm) |
| 111 | BASTLEN7 | Lesion #7 Stent name – Length (mm) |
| 112 | BASEG8 | Lesion #8 segment-CASS No. |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 113 | BAPCIDTC8 | Lesion #8 segment-CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 114 | BAST8 | Lesion #8 segment - CASS No. -Stentname |
| 115 | BASTOTH8 | Lesion #8 Stent name – Other specify |
| 116 | BASTSIZ8 | Lesion #8 Stent name – Size (mm) |
| 117 | BASTLEN8 | Lesion #8 Stent name – Length (mm) |
| 118 | BASEG9 | Lesion #9 segment - CASS No. |
| 119 | BAPCIDTC9 | Lesion #9 segment - CASS No. - PCI (Percutaneous Coronary Intervention) date |
| 120 | BAST9 | Lesion #9 segment - CASS No. - Stent name |
| 121 | BASTOTH9 | Lesion #9 Stent name - Otherspecify |
| 122 | BASTSIZ9 | Lesion #9 Stent name - Size(mm) |
| 123 | BASTLEN9 | Lesion #9 Stent name - Length(mm) |
| 124 | BASEG10 | Lesion #10 segment-CASS No. |
| 125 | BAPCIDTC10 | Lesion #10 segment-CASS No.<br>- PCI (Percutaneous Coronary Intervention) date |
| 126 | BAST10 | Lesion #10 segment - CASS No. - Stent name |
| 127 | BASTOTH10 | Lesion #10 Stent name – Other specify |
| 128 | BASTSIZ10 | Lesion #10 Stent name – Size (mm) |
| 129 | BASTLEN10 | Lesion #10 Stent name – Length (mm) |
| 130 | MHDTC | 질병력 정보 수집일 |
| 131 | MHHTN | Hypertension |
| 132 | MHHTNMED | Hypertension<br>- Medication |
| 133 | MHHTNCND | Hypertension - 질병상태 |
| 134 | MHDM | Diabetes |
| 135 | MHDMTXDIE | Diabetes – Treatment: Diet |
| 136 | MHDMTXINS | Diabetes – Treatment: Insulin |
| 137 | MHDMTXORA | Diabetes – Treatment: Oraldrug |
| 138 | MHDMTXUK | Diabetes – Treatment: Unknown |
| 139 | MHDMCND | Diabetes - 질병상태 |
| 140 | DMSMK | Smoking |
| 141 | DMSMKDUR | Smoking – 흡연기간 (년) |
| 142 | DMNSMKDUR | Smoking – 금연기간 (년) |
| 143 | DMSMKCIPD | Smoking – 하루흡연량 (개피) |
| 144 | DMDRK | Alcohol |
| 145 | DMDRKDUR | Alcohol – 음주기간 (년) |
| 146 | DMDRKCAT | Alcohol - 술종류 |
| 147 | DMDRKAMT | Alcohol – 1회음주량 (잔) |
| 148 | MHDYS | Dyslipidemia |
| 149 | MHPRECAB | Previous CABG(Cronary Artery Bypass Graft, 관상동맥우회술) |
| 150 | MHPRECADTC | Previous CABG(Cronary Artery Bypass Graft, 관상동맥우회술) - CABG Date |

| 변수 번호 | 변수명 | 변수설명 |
|---|---|---|
| 151 | MHPREMI | Previous Myocardial Infarction |
| 152 | MHFHCAD | Family history of coronary artery disease |
| 153 | MHSRELFA | Family history of coronary artery disease – 대상자와의관계: 부 |
| 154 | MHSRELMO | Family history of coronary artery disease – 대상자와의관계: 모 |
| 155 | MHSRELGP | Family history of coronary artery disease – 대상자와의관계: (외)조부모 |
| 156 | MHSRELBR | Family history of coronary artery disease – 대상자와의관계: 형제/자매 |
| 157 | MHSRELCH | Family history of coronary artery disease – 대상자와의관계: 자녀 |
| 158 | MHPREHF | Previous congestive heart failure |
| 159 | MHATRFIB | Atrial Fibrillation |
| 160 | MHATRFLU | Atrial Flutter |
| 161 | MHPRECVA | Previous CVA(CerebeoVascular Accident, 뇌졸중) |
| 162 | MHPRECVATY | Previous CVA(CerebeoVascular Accident, 뇌졸중) -CVAType |
| 163 | MHPREPVD | Previous peripheral vascular disease |
| 164 | MHPRERF | Previous Renal failure (CKD: Chronic Kidney Disease, 만성신장질환) |
| 165 | MHPRERFCD | Previous Renal failure (CKD: Chronic Kidney Disease, 만성신장질환) - Previous chronic dialysis |
| 166 | MHPRECLD | Previous chronic lung disease |
| 167 | MHCAN | Cancer |
| 168 | MHCANTXOP | Cancer – Treatment: 수술 |
| 169 | MHCANTXCH | Cancer – Treatment: 항암 |
| 170 | MHCANTXRA | Cancer – Treatment: 방사선 |
| 171 | MHCANTXUK | Cancer – Treatment: Unknown |
| 172 | MHCANCND | Cancer - 질병상태 |
| 173 | LBBDTC | 실험실 정보수집일 |
| 174 | LBCRT | Creatinine (mg/dL) |
| 175 | LBBUN | BUN (Blood Urea Nitrogen) (mg/dL) |
| 176 | LBAST | SGOT(Serum Glutamic Oxaloacetic Transaminase, AST: Asparate Aminotransferase) (IU/L) |
| 177 | LBALT | SGPT(Serum Glutamate Pyruvate Transaminase, ALT: Alanine Aminotransferase) (IU/L) |
| 178 | LBCHOL | Total Cholesterol (mg/dL) |
| 179 | LBTG | Triglycerides (mg/dL) |
| 180 | LBHDL | HDL(High Density Lipoprotein) (mg/dL) |
| 181 | LBLDL | LDL(Low Density Lipoprotein) (mg/dL) |
| 182 | LBHSCRP | hS-CRP(high-sensitivity C-reactive protein) (mg/dL) |
| 183 | LBCK | CK(Creatinine Kinase) (IU/L) |
| 184 | LBFBS | Glucose (Fasting) (mg/dL) |
| 185 | LBBNP | BNP (Natriuretic  Peptide test) (pg/ml) |
| 186 | LBDDIMER | D-dimer (㎍/mL) |
| 187 | LBFIB | Fibrinogen (mg/dL) |
| 188 | LBHBA | HbA1c (glycated  hemoglobin) (%) |
| 189 | LBPTR | Pregnancy Test (Urine) |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 190 | LBGTP | yGTP(Gamma Glutamyl Transferase) (IU/L) |
| 191 | LBEGRF | 신사구체여과율 (e-GFR: estimated Glomerular Filtration Rate) (mL/min/1.73m²) |
| 192 | NIEC | Echo-cardiogram |
| 193 | NIECLVEF | LVEF (Left Ventricular Ejection Fraction) (%) |
| 194 | NIECLVWM | LV (Left Ventricular) wall motion abnormality |
| 195 | NITHASPEC | Thallium SPECT |
| 196 | CMBADOAD | Aspirin (tablet): 수술 전 1회 투여량 (dose) (mg) |
| 197 | CMBADYFRQ | Aspirin (tablet): 수술 전 1일 투약 횟수 (회) |
| 198 | CMBWAON | Warfarin Ongoing |
| 199 | CMBWALDTC | Warfarin Ongoing - 마지막복용일 |
| 200 | CMBNOON | NOAC (New Oral AntiCoagulant) Ongoing |
| 201 | CMBNOLDTC | NOAC (New Oral AntiCoagulant) - 마지막복용일 |
| 202 | CMBACON | ACE (Angiotensin-converting enzyme) Inhibitors/ARB (Angiotensin receptor blockers) Ongoing |
| 203 | CMBBEON | Beta blocker Ongoing |
| 204 | CMBCAON | Calcium channel blocker Ongoing |
| 205 | CMBSTON | Statin Ongoing |
| 206 | BAMACE | MACE(Major Adverse Cardiovascular Event) |
| 207 | BAMACEDEA | MACE(Major Adverse Cardiovascular Event) - Death |
| 208 | BAMACEMI | MACE(Major Adverse Cardiovascular Event) - MI(Myocardial Infarction) |
| 209 | BAMACERR | MACE(Major Adverse Cardiovascular Event) - RR(Repeat Revascularization) |
| 210 | BAMACEST | MACE (Major Adverse Cardiovascular Event) - ST(Stent Thrombosis) |
| 211 | BAMACECVA | MACE (Major Adverse Cardiovascular Event) - CVA(CerebroVascularAccident) |
| 212 | BAMACEBL | MACE (Major Adverse Cardiovascular Event) - Bleeding |
| 213 | BACOM | Comment |
| 214 | OPDTC | Operation Date |
| 215 | OPDON | Operation done |
| 216 | OPDONDTC | Operation done – If Yes, date |
| 217 | OPNDREAS | Operation done – If No: Reason |
| 218 | OPNDREASO | Operation done – If No: Reason:otherspecify |
| 219 | OPANE | Type of anesthesia |
| 220 | OPANEOTH | Type of anesthesia – other specify |
| 221 | OPDEP | Department |
| 222 | OPDEPOTH | Department – other specify |
| 223 | OPOPE | Operation |
| 224 | OPOPEOTH | Operation – other specify |
| 225 | OPBLRISK | Bleeding Risk |
| 226 | OPTMSTHR | Total operation time: Start hour (hr) |
| 227 | OPTMSTMIN | Total operation time: Start minute (min) |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 228 | OPTMENHR | Total operation time: Finish hour (hr) |
| 229 | OPTMENMIN | Total operation time: Finish minute (min) |
| 230 | OPTMTOT | Total operation time: Total (min) |
| 231 | OPTRA | Transfusion during operation (OR) |
| 232 | OPWB | Transfusion during operation (OR) - Whole blood |
| 233 | OPWBU | Transfusion during operation (OR) - Whole blood:units (units) |
| 234 | OPRBC | Transfusion during operation (OR) - RBCs (RedBloodCells) |
| 235 | OPRBCU | Transfusion during operation (OR) - RBCs (RedBloodCells): units (units) |
| 236 | OPFFP | Transfusion during operation (OR) - FFP (Fresh Frozen Plasma) |
| 237 | OPFFPU | Transfusion during operation (OR) - FFP (Fresh Frozen Plasma): units (units) |
| 238 | OPPLT | Transfusion during operation (OR) - Platelets |
| 239 | OPPLTU | Transfusion during operation (OR) - Platelets: units (units) |
| 240 | OPBLLOS | Estimated blood loss (cc) |
| 241 | OPMB | Major Bleeding during operation |
| 242 | OPMBTYFAT | Major Bleeding during operation – Type of major bleeding: fatal bleeding |
| 243 | OPMBTYCRI | Major Bleeding during operation<br>- Type of major bleeding: Bleeding in a critical organ (intra cranial, intra spinal, intra ocular) |
| 244 | OPMBTYHYP | Major Bleeding during operation<br>- Type of major bleeding: Bleeding causing hypovolemicshockorseverehypotensionrequiringvasopressors or surgery or intervention |
| 245 | OPMBTYHEM | Major  Bleeding during operation<br>-Type of major bleeding: Bleeding with drop in hemoglobin ≥ 3g/dl |
| 246 | OPMBTYWHO | Major  Bleeding during operation<br>- Type of major bleeding: whole blood or packed red blood cells (RBCs: Red Blood Cells) transfusion ≥ 3 units |
| 247 | OPCOM | Comment |
| 248 | EVDIS | Discharge |
| 249 | EVDISDTC | Discharge<br>- If Yes: Discharge date |
| 250 | EVDISSTAT | Discharge<br>- If Yes: Status at Discharge |
| 251 | EVPROREAS | Discharge<br>- If No: Reason of prolonged hospitalization |
| 252 | EVPROREASO | Reason of prolonged hospitalization - If non-cardiac: reason |
| 253 | EVICU | Discharge - If Yes: ICU (Intensive Care Unit) care after operation |
| 254 | EVICUDY | ICU (Intensive Care Unit) care after operation<br>- If Yes: days (days) |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 255 | LBEDTC | 실험실 정보수집일 |
| 256 | LBWBCBAV | WBC (White Blood Cell): Baseline (Before operation) (x10³ / mm³) |
| 257 | LBWBCPOV | WBC (White Blood Cell): POD (Post Operative Day)#1 (x10³ / mm³) |
| 258 | LBWBCLOV | WBC (White Blood Cell): lowest after op (x10³ / mm³) |
| 259 | LBWBCDIV | WBC (White Blood Cell): At discharge (x10³ / mm³) |
| 260 | LBHBBAV | Hb(Hemoglobin): Baseline (Before operation) (g/dL) |
| 261 | LBHBPOV | Hb(Hemoglobin): POD (Post Operative Day)#1 (g/dL) |
| 262 | LBHBLOV | Hb(Hemoglobin): lowest after op (g/dL) |
| 263 | LBHBDIV | Hb(Hemoglobin): At discharge (g/dL) |
| 264 | LBPLTBAV | Platelet: Baseline (Before op) (x10³ / mm³) |
| 265 | LBPLTPOV | Platelet: POD (Post Operative Day)#1 (x10³ / mm³) |
| 266 | LBPLTLOV | Platelet: lowest after op (x10³ / mm³) |
| 267 | LBPLTDIV | Platelet: At discharge (x10³ / mm³) |
| 268 | LBCKBAV | CK (Creatinine Kinase): Baseline(Before operation) (IU/L) |
| 269 | LBCKPOV | CK (Creatinine Kinase): POD(Post Operative Day)#1 (IU/L) |
| 270 | LBCKPEV | CK (Creatinine Kinase): Peak after op (IU/L) |
| 271 | LBCKDIV | CK (Creatinine Kinase): At discharge (IU/L) |
| 272 | LBCMBAV | CK-MB (isoenzyme of creatinine kinase): Baseline (Before operation) (ng/mL) |
| 273 | LBCMPOV | CK-MB (isoenzyme of creatinine kinase): POD (Post Operative Day)#1 (ng/mL) |
| 274 | LBCMPEV | CK-MB (isoenzyme of creatinine kinase): Peak after op (ng/mL) |
| 275 | LBCMDIV | CK-MB (isoenzyme of creatinine kinase): At discharge (ng/mL) |
| 276 | LBTIBAV | Troponin I: Baseline(Before operation) (pg/ml) |
| 277 | LBTIPOV | Troponin I: POD(Post Operative Day)#1 (ng/mL) |
| 278 | LBTIPEV | Troponin I: Peak after op (ng/mL) |
| 279 | LBTIDIV | Troponin I: At discharge (ng/mL) |
| 280 | LBTTBAV | Troponin T: Baseline (Before operation) (ng/mL) |
| 281 | LBTTPOV | Troponin T: POD (Post Operative Day)#1 (ng/mL) |
| 282 | LBTTPEV | Troponin T: Peak after op (ng/mL) |
| 283 | LBTTDIV | Troponin T: At discharge (ng/mL) |
| 284 | EVEVLDTC | 30days evaluation date |
| 285 | EVMBOP | Major Bleeding after operation: OP (Operation) related |
| 286 | EVMBOTH | Major Bleeding after operation: Other reason |
| 287 | EVTYFAT | Major Bleeding after operation: Other reason<br>- Type of major bleeding: Fatal bleeding |
| 288 | EVTYCRI | Major Bleeding after operation: Other reason<br>- Type of major bleeding: critical area/organ bleeding (intracranial, intraspinal, intraocular) |
| 289 | EVTYREO | Major Bleeding after operation: Other reason<br>- Type of major bleeding: Requires Reoperation or intervention |

| 변수 번호 | 변수명 | 변수설명 |
|---|---|---|
| 290 | EVTYHB | Major Bleeding after operation: Other reason<br>- Type of major bleeding: Hb drop ≥ 3g/dL or additional transfusion of ≥ 3U whole blood or packed red blood cells (except for predicted blood loss) |
| 291 | EVTRA | Transfusion during admission (POD: Post Operative Day, POD#1~30days) |
| 292 | EVWB | Transfusion during admission (POD: Post Operative Day, POD#1~30days) - Whole blood |
| 293 | EVWBU | Transfusion during admission (POD: Post Operative Day, POD#1~30days) - Whole blood: units (units) |
| 294 | EVRBC | Transfusion during admission (POD: Post Operative Day, POD#1~30days) - RBCs (Red Blood Cells) |
| 295 | EVRBCU | Transfusion during admission (POD: Post Operative Day, POD#1~30days) - RBCs (Red Blood Cells): units (units) |
| 296 | EVANG | Angina |
| 297 | EVCCS | CCS (Canadian Cardiovascular Society angina) classification |
| 298 | EVACS | ACS (Acute Coronary Syndrome, 급성관상동맥증후군) |
| 299 | EVACSTY | ACS (Acute Coronary Syndrome, 급성관상동맥증후군) - type |
| 300 | EVMACE | MACE (MACE: Major Adverse Cardiovascular Event, 수술 당일 (Operation day) ~ 30days) |
| 301 | EVMACEDEA | MACE - Death |
| 302 | EVMACEMI | MACE – MI (Myocardial Infarction) |
| 303 | EVMACERR | MACE – RR (Repeat Revascularization) |
| 304 | EVMACEST | MACE – ST (Stent Thrombosis) |
| 305 | EVMACECVA | MACE – CVA (Cerebro Vascular Accident) |
| 306 | EVMACEBL | MACE - Bleeding |
| 307 | CMEADOAD | Aspirin(tablet): 수술 후 1회 투여량 (dose) (mg) |
| 308 | CMEADYFRQ | Aspirin(tablet): 수술 후 1일 투약횟수 (회) |
| 309 | CMEWAON | Warfarin Ongoing |
| 310 | CMEWASTDTC | Warfarin Ongoing – 수술 후 투여시작일 |
| 311 | CMENOON | NOAC (New Oral AntiCoagulant) Ongoing |
| 312 | CMENOSTDTC | NOAC (New Oral AntiCoagulant) Ongoing - 수술후투여시작일 |
| 313 | CMEACON | ACE (Angiotensin-converting enzyme) Inhibitors / ARB(Angiotensin receptor blockers) Ongoing |
| 314 | CMEBEON | Beta blocker Ongoing |
| 315 | CMECAON | Calcium channel blocker Ongoing |
| 316 | CMESTON | Statin Ongoing |
| 317 | EVCOM | Comment |
| 318 | EXRANCD | Random Code |
| 319 | EXACTTX | Final Actual Treatment |
| 320 | EXREAS | Final Actual Treatment – Changed reason |
| 321 | EXREASOTH | Final Actual Treatment – Changed reason: Other specify |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 322 | EXCOM | Comment |
| 323 | CMDASON | 등록당시: Aspirin Ongoing |
| 324 | CMDASPRE | 등록당시: Aspirin, No인 경우, 처방여부 |
| 325 | CMDCLON | 등록당시: Clopidogrel Ongoing |
| 326 | CMDTION | 등록당시: Ticagrelor Ongoing |
| 327 | CMDPRON | 등록당시: Prasugrel Ongoing |
| 328 | CMDCION | 등록당시: Cilostazol Ongoing |
| 329 | CMPASON | 수술 5일전 ~ 수술당일: Aspirin Ongoing |
| 330 | CMPASSPDTC | 수술 5일전 ~ 수술당일: Aspirin Stop date |
| 331 | CMPCLON | 수술 5일전 ~ 수술당일: Clopidogrel Ongoing |
| 332 | CMPCLSPDTC | 수술 5일전 ~ 수술당일: Clopidogrel Stop date |
| 333 | CMPTION | 수술 5일전 ~ 수술당일: Ticagrelor Ongoing |
| 334 | CMPTISPDTC | 수술 5일전 ~ 수술당일: Ticagrelor Stop date |
| 335 | CMPPRON | 수술 5일전 ~ 수술당일: Prasugrel Ongoing |
| 336 | CMPPRSPDTC | 수술 5일전 ~ 수술당일: Prasugrel Stop date |
| 337 | CMPCION | 수술 5일전 ~ 수술당일: Cilostazol Ongoing |
| 338 | CMPCISPDTC | 수술 5일전 ~ 수술당일: Cilostazol Stop date |
| 339 | CMFASON | 30days FU evaluation: Aspirin Ongoing |
| 340 | CMFASSTDTC | 30days FU evaluation: Aspirin Restart date |
| 341 | CMFCLON | 30days FU evaluation: Clopidogrel Ongoing |
| 342 | CMFCLSTDTC | 30days FU evaluation: Clopidogrel Restart date |
| 343 | CMFTION | 30days FU evaluation: Ticagrelor Ongoing |
| 344 | CMFTISTDTC | 30days FU evaluation: Ticagrelor Restart date |
| 345 | CMFPRON | 30days FU evaluation: Prasugrel Ongoing |
| 346 | CMFPRSTDTC | 30days FU evaluation: Prasugrel Restart date |
| 347 | CMFCION | 30days FU evaluation: Cilostazol Ongoing |
| 348 | CMFCISTDTC | 30days FU evaluation: Cilostazol Restart date |
| 349 | CMCOM | Comment |
| 350 | CEDDTC | Date of Death |
| 351 | CEDTY | Cause of Death |
| 352 | CEDCAMI | Cause of Death – If Cardiovascular death: Acute myocardial infarction |
| 353 | CEDCSHOCK | Cause of Death<br>- If Cardio vascular death: Cardio genic shock |
| 354 | CEDCVF | Cause of Death – If Cardiovascular death: Fatal arrhythmia (V For conduction block) |
| 355 | CEDCCVA | Cause of Death – If Cardio vasculardeath: CVA/Stroke (CVA: Cerebeo Vascular Accident, 뇌졸중) |
| 356 | CEDCAD | Cause of Death – If Cardiovascular death: Aortic dissection/rupture |
| 357 | CEDCPE | Cause of Death – If Cardiovascular death: Pulmonary embolism |
| 358 | CEDCOVD | Cause of Death – If Cardiovascular death: Other vascular disease |
| 359 | CEDCPRD | Cause of Death – If Cardiovascular death: Procedure-related death |
| 360 | CEDCHF | Cause of Death – If Cardiovascular death: Low-output failure (heart failure) |

| 변수 번호 | 변수명 | 변수설명 |
|---|---|---|
| 361 | CEDCOTH | Cause of Death – If Cardiovascular death: Others |
| 362 | CEDCOTHDES | Cause of Death – If Cardiovascular death: Others specify |
| 363 | CEDNMAL | Cause of Death – If Non-cardiovascular: Malignancy |
| 364 | CEDNRF | Cause of Death – If Non-cardiovascular: Renalfailure |
| 365 | CEDNINF | Cause of Death – If Non-cardiovascular: Infection(sepsis) |
| 366 | CEDNPC | Cause of Death – If Non-cardiovascular: Pulmonary causes or respiratory failure |
| 367 | CEDNTRA | Cause of Death – If Non-cardiovascular: Trauma |
| 368 | CEDNSUI | Cause of Death – If Non-cardiovascular: Suicide/homicide |
| 369 | CEDNACC | Cause of Death – If Non-cardiovascular: Accident |
| 370 | CEDNUNO | Cause of Death – If Non-cardiovascular: Unobserved |
| 371 | CEDNOTH | Cause of Death – If Non-cardiovascular: Others |
| 372 | CEDNOTHDES | Cause of Death – If Non-cardiovascular: Others specify |
| 373 | CEDASON | Aspirin Ongoing |
| 374 | CEDASSPDTC | Aspirin Ongoing - stopdate |
| 375 | CEDASSPREA | Aspirin Ongoing - stopreason |
| 376 | CEDCLON | Clopidogrel Ongoing |
| 377 | CEDCLSPDTC | Clopidogrel Ongoing – stop date |
| 378 | CEDCLSPREA | Clopidogrel Ongoing – stop Reason |
| 379 | CEDTION | Ticagrelor Ongoing |
| 380 | CEDTISPDTC | Ticagrelor Ongoing – stop date |
| 381 | CEDTISPREA | Ticagrelor Ongoing – stop Reason |
| 382 | CEDPRON | Prasugrel Ongoing |
| 383 | CEDPRSPDTC | Prasugrel Ongoing – stop date |
| 384 | CEDPRSPREA | Prasugrel Ongoing - stopreason |
| 385 | CEDCION | Cilostazol Ongoing |
| 386 | CEDCISPDTC | Cilostazol Ongoing – stop date |
| 387 | CEDCISPREA | Cilostazol Ongoing – stop Reason |
| 388 | CEDCOM | Comment |
| 389 | CEDADJ | Adjudication |
| 390 | CEDADJDTC | Adjudication – Adjudication Date |
| 391 | CEDADJRES | Adjudication – Adjudication Result |
| 392 | CEDADJCOM | Adjudication – Adjudication Comment |
| 393 | CEDSIGN | Sign by |
| 394 | CEDSIGNDTC | Sign date |
| 395 | CEMDTC | Date of MI (Myocardial Infarction) |
| 396 | CEMTY | Type of MI (Myocardial Infarction) |
| 397 | CEMANG | Angina symptom |
| 398 | CEMINFLOC | Location of infarction |
| 399 | CEMECG | Any diagnostic ECG finding? |
| 400 | CEMQWAV | Any diagnostic ECG finding? - New pathologic Q waves |
| 401 | CEMSTEL | Any diagnostic ECG finding? - New ST elevation |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 402 | CEMLBBB | Any diagnostic ECG finding? - LBBB (Left Bundle Branch Block) |
| 403 | CEMSTDE | Any diagnostic ECG finding? - New ST depression |
| 404 | CEMTWAV | Any diagnostic ECG finding? - New T wave inversion |
| 405 | CEMOTH | Any diagnostic ECG finding? - Others |
| 406 | CEMOTHDESC | Any diagnostic ECG finding? - Others: specify |
| 407 | CEMCKBDTC | CK(Creatinine Kinase): Pre OP - Date |
| 408 | CEMCKBV | CK(Creatinine Kinase): Pre OP - Value (IU/L) |
| 409 | CEMCKTDTC | CK(Creatinine Kinase): at the time of MI (Myocardial Infarction) - Date |
| 410 | CEMCKTV | CK(Creatinine Kinase): at the time of MI (Myocardial Infarction) - Value (IU/L) |
| 411 | CEMCKPDTC | CK(Creatinine Kinase): Peak - Date |
| 412 | CEMCKPV | CK(Creatinine Kinase): Peak - Value (IU/L) |
| 413 | CEMCMBDTC | CK-MB(isoenzyme of creatinine kinase): Pre OP - Date |
| 414 | CEMCMBV | CK-MB(isoenzyme of creatinine kinase): Pre OP - Value (ng/mL) |
| 415 | CEMCMTDTC | CK-MB(isoenzyme of creatinine kinase): at the time of MI (Myocardial Infarction) - Date |
| 416 | CEMCMTV | CK-MB(isoenzyme of creatinine kinase): at the time of MI (Myocardial Infarction) - Value (ng/mL) |
| 417 | CEMCMPDTC | CK-MB (isoenzyme of creatinine kinase): Peak - Date |
| 418 | CEMCMPV | CK-MB (isoenzyme of creatinine kinase): Peak - Value (ng/mL) |
| 419 | CEMTIBDTC | Troponin I: Pre OP - Date |
| 420 | CEMTIBV | Troponin I: Pre OP - Value (ng/mL) |
| 421 | CEMTITDTC | Troponin I: at the time of MI (Myocardial Infarction) - Date |
| 422 | CEMTITV | Troponin I: at the time of MI (Myocardial Infarction) - Value (ng/mL) |
| 423 | CEMTIPDTC | Troponin I: Peak - Date |
| 424 | CEMTIPV | Troponin I: Peak - Value (ng/mL) |
| 425 | CEMTTBDTC | Troponin T: Pre OP - Date |
| 426 | CEMTTBV | Troponin T: Pre OP - Value (ng/mL) |
| 427 | CEMTTTDTC | Troponin T: at the time of MI (Myocardial Infarction) - Date |
| 428 | CEMTTTV | Troponin T: at the time of MI (Myocardial Infarction) - Value (ng/mL) |
| 429 | CEMTTPDTC | Troponin T: Peak - Date |
| 430 | CEMTTPV | Troponin T: Peak - Value (ng/mL) |
| 431 | CEMANGREL | Angiography done related to this event |
| 432 | CEMTOTOCC | Angiography done related to this event – Total Occlusion |
| 433 | CEMVISTHR | Angiography done related to this event – Visible Thrombus |
| 434 | CEMTARVES | Related to target vessel |
| 435 | CEMSTETHR | Related to stent thrombosis |
| 436 | CEMTXREL | Treatment related to this event |
| 437 | CEMEVTOUT | Event Outcome |
| 438 | CEMASON | Aspirin Ongoing |
| 439 | CEMASSPDTC | Aspirin Ongoing – stop date |
| 440 | CEMASSPREA | Aspirin Ongoing – stop reason |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 441 | CEMCLON | Clopidogrel Ongoing |
| 442 | CEMCLSPDTC | Clopidogrel Ongoing – stop date |
| 443 | CEMCLSPREA | Clopidogrel Ongoing – stop Reason |
| 444 | CEMTION | Ticagrelor Ongoing |
| 445 | CEMTISPDTC | Ticagrelor Ongoing – stop date |
| 446 | CEMTISPREA | Ticagrelor Ongoing – stop Reason |
| 447 | CEMPRON | Prasugrel Ongoing |
| 448 | CEMPRSPDTC | Prasugrel Ongoing – stop date |
| 449 | CEMPRSPREA | Prasugrel Ongoing – stop reason |
| 450 | CEMCION | Cilostazol Ongoing |
| 451 | CEMCISPDTC | Cilostazol Ongoing – stop date |
| 452 | CEMCISPREA | Cilostazol Ongoing – stop Reason |
| 453 | CEMCOM | Comment |
| 454 | CEMADJ | Adjudication |
| 455 | CEMADJDTC | Adjudication – Adjudication Date |
| 456 | CEMADJRES | Adjudication –Adjudication Result |
| 457 | CEMADJCOM | Adjudication –Adjudication Comment |
| 458 | CEMSIGN | Sign by |
| 459 | CEMSIGNDTC | Sign Date |
| 460 | CERDTC | Date of Repeat revascularization |
| 461 | CERROUANG | Routine angiographic FU |
| 462 | CERANG | Angina symptom |
| 463 | CERCLPR | Clinical presentation |
| 464 | CERTOTNUM | Total number of repeat revascularization lesions (ea) |
| 465 | CERLSCN1 | Lesion #1 Lesion segment-CASS No. |
| 466 | CERDLL1 | Lesion #1 Lesion segment-CASS No. - Diseased lesion location |
| 467 | CERTLL1 | Lesion #1 Lesion segment-CASS No. - Treated lesion location |
| 468 | CERANGTM1 | Lesion #1 Lesion segment-CASS No. - Angiographic result at this time |
| 469 | CERSTR1 | Lesion #1 Stent thrombosis-related |
| 470 | CERTX1 | Lesion #1 Type of treatment |
| 471 | CERTXPCI1 | Lesion #1 Type of treatment – PCI type |
| 472 | CERTXPCIO1 | Lesion #1 Type of treatment – PCItype: Other specify |
| 473 | CERTVR1 | Lesion #1 Treated vessel revascularization |
| 474 | CERTLR1 | Lesion #1 Treated lesion revascularization |
| 475 | CERTLRTY1 | Lesion #1 Treated lesion revascularization - Type |
| 476 | CERTLRTYO1 | Lesion #1 Treated lesion revascularization – Type: Otherspecify |
| 477 | CERNLR1 | Lesion #1 New lesion revascularization |
| 478 | CERSP1 | Lesion #1 Staged procedure with ≥ 50% stenosis at the index procedure |
| 479 | CERLSCN2 | Lesion #2 Lesion segment-CASS No. |
| 480 | CERDLL2 | Lesion #2 Lesion segment-CASS No. - Diseased lesion location |
| 481 | CERTLL2 | Lesion #2 Lesion segment-CASS No. - Treated lesion location |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 482 | CERANGTM2 | Lesion #2 Lesion segment-CASS No. - Angiographic result at this time |
| 483 | CERSTR2 | Lesion #2 Stent thrombosis-related |
| 484 | CERTX2 | Lesion #2 Type of treatment |
| 485 | CERTXPCI2 | Lesion #2 Type of treatment – PCI type |
| 486 | CERTXPCIO2 | Lesion #2 Type of treatment – PCI type: Other specify |
| 487 | CERTVR2 | Lesion #2 Treated vessel revascularization |
| 488 | CERTLR2 | Lesion #2 Treated lesion revascularization |
| 489 | CERTLRTY2 | Lesion #2 Treated lesion revascularization - Type |
| 490 | CERTLRTYO2 | Lesion #2 Treated lesion revascularization – Type: Other specify |
| 491 | CERNLR2 | Lesion #2 New lesion revascularization |
| 492 | CERSP2 | Lesion #2 Staged procedure with ≥ 50% stenosis at the index procedure |
| 493 | CERLSCN3 | Lesion #3 Lesion segment-CASS No. |
| 494 | CERDLL3 | Lesion #3 Lesion segment-CASS No. - Diseased lesion location |
| 495 | CERTLL3 | Lesion #3 Lesion segment-CASS No. - Treated lesion location |
| 496 | CERANGTM3 | Lesion #3 Lesion segment-CASS No. - Angiographic result at this time |
| 497 | CERSTR3 | Lesion #3 Stent thrombosis-related |
| 498 | CERTX3 | Lesion #3 Type of treatment |
| 499 | CERTXPCI3 | Lesion #3 Type of treatment – PCI type |
| 500 | CERTXPCIO3 | Lesion #3 Type of treatment – PCI type: Other specify |
| 501 | CERTVR3 | Lesion #3 Treated vessel revascularization |
| 502 | CERTLR3 | Lesion #3 Treated lesion revascularization |
| 503 | CERTLRTY3 | Lesion #3 Treated lesion revascularization - Type |
| 504 | CERTLRTYO3 | Lesion #3 Treated lesion revascularization – Type: Other specify |
| 505 | CERNLR3 | Lesion #3 New lesion revascularization |
| 506 | CERSP3 | Lesion #3 Staged procedure with ≥ 50% stenosis at the index procedure |
| 507 | CERLSCN4 | Lesion #4 Lesion segment-CASS No. |
| 508 | CERDLL4 | Lesion #4 Lesion segment-CASS No. - Diseased lesion location |
| 509 | CERTLL4 | Lesion #4 Lesion segment-CASS No. - Treated lesion location |
| 510 | CERANGTM4 | Lesion #4 Lesion segment-CASS No. - Angiographic resultatthistime |
| 511 | CERSTR4 | Lesion #4 Stent thrombosis-related |
| 512 | CERTX4 | Lesion #4 Type of treatment |
| 513 | CERTXPCI4 | Lesion #4 Type of treatment -PCI type |
| 514 | CERTXPCIO4 | Lesion #4 Type of treatment -PCI type: Other specify |
| 515 | CERTVR4 | Lesion #4 Treated vessel revascularization |
| 516 | CERTLR4 | Lesion #4 Treated lesion revascularization |
| 517 | CERTLRTY4 | Lesion #4 Treated lesion revascularization -Type |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 518 | CERTLRTYO4 | Lesion #4 Treated lesion revascularization<br>-Type: Other specify |
| 519 | CERNLR4 | Lesion #4 New lesion revascularization |
| 520 | CERSP4 | Lesion #4 Staged procedure with ≥ 50% stenosis at the index<br>procedure |
| 521 | CERLSCN5 | Lesion #5 Lesion segment-CASS No. |
| 522 | CERDLL5 | Lesion #5 Lesion segment-CASS No. - Diseased lesion location |
| 523 | CERTLL5 | Lesion #5 Lesion segment-CASS No. - Treated lesion location |
| 524 | CERANGTM5 | Lesion #5 Lesion segment-CASS No. - Angiographic result at this time |
| 525 | CERSTR5 | Lesion #5 Stent thrombosis-related |
| 526 | CERTX5 | Lesion #5 Type of treatment |
| 527 | CERTXPCI5 | Lesion #5 Type of treatment -PCI type |
| 528 | CERTXPCIO5 | Lesion #5 Type of treatment -PCItype:Otherspecify |
| 529 | CERTVR5 | Lesion #5 Treated vessel revascularization |
| 530 | CERTLR5 | Lesion #5 Treated lesion revascularization |
| 531 | CERTLRTY5 | Lesion #5 Treated lesion revascularization -Type |
| 532 | CERTLRTYO5 | Lesion #5 Treated lesion revascularization -Type:Otherspecify |
| 533 | CERNLR5 | Lesion #5 New lesion revascularization |
| 534 | CERSP5 | Lesion #5 Staged procedure with ≥ 50% stenosis at the index<br>procedure |
| 535 | CEREVTOUT | Event Outcome |
| 536 | CERASON | Aspirin Ongoing |
| 537 | CERASSPDTC | Aspirin Ongoing – stop date |
| 538 | CERASSPREA | Aspirin Ongoing – stop reason |
| 539 | CERCLON | Clopidogrel Ongoing |
| 540 | CERCLSPDTC | Clopidogrel Ongoing – stop date |
| 541 | CERCLSPREA | Clopidogrel Ongoing – stop Reason |
| 542 | CERTION | Ticagrelor Ongoing |
| 543 | CERTISPDTC | Ticagrelor Ongoing – stop date |
| 544 | CERTISPREA | Ticagrelor Ongoing – stop Reason |
| 545 | CERPRON | Prasugrel Ongoing |
| 546 | CERPRSPDTC | Prasugrel Ongoing – stop date |
| 547 | CERPRSPREA | Prasugrel Ongoing – stop reason |
| 548 | CERCION | Cilostazol Ongoing |
| 549 | CERCISPDTC | Cilostazol Ongoing – stop date |
| 550 | CERCISPREA | Cilostazol Ongoing – stop Reason |
| 551 | CERCOM | Comment |
| 552 | CERADJ | Adjudication |
| 553 | CERADJDTC | Adjudication – Adjudication Date |
| 554 | CERADJRES | Adjudication – Adjudication Result |
| 555 | CERADJCLD | Adjudication – Type of RR: Clinicaldriven |
| 556 | CERADJISD | Adjudication – Type of RR: Ischemicdriven |
| 557 | CERADJCOM | Adjudication – Adjudication Comment |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 558 | CERSIGN | Sign by |
| 559 | CERSIGNDTC | Sign Date |
| 560 | CESDTC | Date of Stent thrombosis |
| 561 | CESARC | ARC(Academic Reserch Consortium) |
| 562 | CESCLPR | Clinical Presentation of ST (Stent Thrombosis) |
| 563 | CESCLPROTH | Clinical Presentation of ST (Stent Thrombosis) - Other specify |
| 564 | CESAC | Angiography confirmed |
| 565 | CESLSCN1 | Angiography confirmed –CASS#1Lesionsegment-CASS No. |
| 566 | CESDLL1 | CASS #1 Lesion segment-CASS No. - Diseased lesion location |
| 567 | CESTLL1 | CASS #1 Lesion segment-CASS No. - Treated lesion location |
| 568 | CESLSCN2 | Angiography confirmed –CASS #2 Lesion segment-CASS No. |
| 569 | CESDLL2 | CASS #2 Lesion segment-CASS No. -Diseased lesion location |
| 570 | CESTLL2 | CASS #2 Lesion segment-CASS No. -Treated lesion location |
| 571 | CESTXTYP | Type of the Treatment related to this event |
| 572 | CESEVTOUT | Event Outcome |
| 573 | CESASON | Aspirin Ongoing |
| 574 | CESASSPDTC | Aspirin Ongoing – stop date |
| 575 | CESASSPREA | Aspirin Ongoing – stop reason |
| 576 | CESCLON | Clopidogrel Ongoing |
| 577 | CESCLSPDTC | Clopidogrel Ongoing – stop date |
| 578 | CESCLSPREA | Clopidogrel Ongoing – stop Reason |
| 579 | CESTION | Ticagrelor Ongoing |
| 580 | CESTISPDTC | Ticagrelor Ongoing – stop date |
| 581 | CESTISPREA | Ticagrelor Ongoing – stop Reason |
| 582 | CESPRON | Prasugrel Ongoing |
| 583 | CESPRSPDTC | Prasugrel Ongoing – stop date |
| 584 | CESPRSPREA | Prasugrel Ongoing – stop reason |
| 585 | CESCION | Cilostazol Ongoing |
| 586 | CESCISPDTC | Cilostazol Ongoing – stop date |
| 587 | CESCISPREA | Cilostazol Ongoing – stop Reason |
| 588 | CESCOM | Comment |
| 589 | CESADJ | Adjudication |
| 590 | CESADJDTC | Adjudication – Adjudication Date |
| 591 | CESADJRES | Adjudication – Adjudication Result |
| 592 | CESADJCOM | Adjudication – Adjudication Comment |
| 593 | CESSIGN | Sign by |
| 594 | CESSIGNDTC | Sign date |
| 595 | CECDTC | Date of CVA (CerebeoVascular Accident, 뇌졸중) |
| 596 | CECTY | Type of CVA (CerebeoVascular Accident, 뇌졸중) |
| 597 | CECSTRTY | Type of CVA (CerebeoVascular Accident, 뇌졸중) - Type of stroke |
| 598 | CECNEU | Confirmed by Neurologist |
| 599 | CECIMG | Stroke verified by imaging study |

| 변수번호 | 변수명 | 변수설명 |
|---|---|---|
| 600 | CECCT | Stroke verified by imaging study – CT(Computed Tomography) |
| 601 | CECMRI | Stroke verified by imaging study – MRI(Magnetic Resonance Imaging) |
| 602 | CECANG | Stroke verified by imaging study - Angiography |
| 603 | CECOTH | Stroke verified by imaging study - Others |
| 604 | CECOTHDESC | Stroke verified by imaging study – Others: specify |
| 605 | CECTXNON | Treatment  related to this event: None |
| 606 | CECTXMET | Treatment  related to this event: Medical except thrombolysis |
| 607 | CECTXTHR | Treatment  related to this event: Thrombolysis |
| 608 | CECTXPI | Treatment  related to this event: Percutaneous intervention |
| 609 | CECTXSUR | Treatment  related to this event: Surgery |
| 610 | CECSEQ | Sequelae  after this event |
| 611 | CECEVTOUT | Event  outcome |
| 612 | CECASON | Aspirin  Ongoing |
| 613 | CECASSPDTC | Aspirin  Ongoing – stop date |
| 614 | CECASSPREA | Aspirin  Ongoing – stop reason |
| 615 | CECCLON | Clopidogrel  Ongoing |
| 616 | CECCLSPDTC | Clopidogrel  Ongoing – stop date |
| 617 | CECCLSPREA | Clopidogrel  Ongoing – stop Reason |
| 618 | CECTION | Ticagrelor  Ongoing |
| 619 | CECTISPDTC | Ticagrelor  Ongoing – stop date |
| 620 | CECTISPREA | Ticagrelor  Ongoing – stop Reason |
| 621 | CECPRON | Prasugrel  Ongoing |
| 622 | CECPRSPDTC | Prasugrel  Ongoing – stop date |
| 623 | CECPRSPREA | Prasugrel  Ongoing – stop reason |
| 624 | CECCION | Cilostazol  Ongoing |
| 625 | CECCISPDTC | Cilostazol  Ongoing – stop date |
| 626 | CECCISPREA | Cilostazol  Ongoing – stop Reason |
| 627 | CECCOM | Comment |
| 628 | CECADJ | Adjudication |
| 629 | CECADJDTC | Adjudication – Adjudication Date |
| 630 | CECADJRES | Adjudication – Adjudication Result |
| 631 | CECADJCOM | Adjudication – Adjudication Comment |
| 632 | CECSIGN | Sign by |
| 633 | CECSIGNDTC | Sign Date |
| 634 | CEBDTC | Date of Bleeding |
| 635 | CEBTM | Bleeding Time |
| 636 | CEBHBBA | Hb(Hemoglobin):  Baseline(Before bleeding) (g/dL) |
| 637 | CEBHBAT | Hb(Hemoglobin):  At the Bleeding (g/dL) |
| 638 | CEBHBDI | Hb(Hemoglobin):  Discharge of post transfusion (g/dL) |
| 639 | CEBHCTBA | Hct: Baseline(Before bleeding) (%) |
| 640 | CEBHCTAT | Hct: At the Bleeding (%) |
| 641 | CEBHCTDI | Hct: Discharge of post transfusion (%) |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 642 | CEBTRA | Were any of the following blood products transfused? |
| 643 | CEBTRADTC | Were any of the following blood products transfused?<br>- Date of transfusion |
| 644 | CEBTRAWB | Were any of the following blood products transfused?<br>- Whole blood |
| 645 | CEBTRAWBU | Were any of the following blood products transfused?<br>- Whole blood:units (units) |
| 646 | CEBTRARBC | Were any of the following blood products transfused?<br>- RBCs (RedBloodCells) |
| 647 | CEBTRARBCU | Were any of the following blood products transfused?<br>- RBCs (Red Blood Cells): units (units) |
| 648 | CEBTRAPLT | Were any of the following blood products transfused?<br>- Platelets |
| 649 | CEBTRAPLTU | Were any of the following blood products transfused?<br>- Platelets: units (units) |
| 650 | CEBTRAFFP | Were any of the following blood products transfused?<br>- FFP(FreshFrozenPlasma) |
| 651 | CEBTRAFFPU | Were any of the following blood products transfused?<br>- FFP(FreshFrozenPlasma):units(units) |
| 652 | CEBTRAO | Were any of the following blood products transfused?<br>- Others |
| 653 | CEBTRAONAM | Were any of the following blood products transfused?<br>- Others specify |
| 654 | CEBTRAOU | Were any of the following blood products transfused?<br>- Others units (units) |
| 655 | CEBINTCRA | Source of BL : Intracranial |
| 656 | CEBINTOCU | Source of BL : Intraocular |
| 657 | CEBRET | Source of BL : Retroperitoneal |
| 658 | CEBPH | Source of BL : Pericardial hemorrhage (Hemopericardium) |
| 659 | CEBHEMO | Source of BL : Hemoptysis |
| 660 | CEBINTSPI | Source of BL : Intraspinal |
| 661 | CEBINTART | Source of BL : Intraarticular |
| 662 | CEBEPI | Source of BL : Epistaxis |
| 663 | CEBGIN | Source of BL : Gingival bleeding |
| 664 | CEBGI | Source of BL: GI(GastroIntestinal) bleeding (more than Guiac test, including hematemesis, melena..) |
| 665 | CEBGU | Source of BL : GU bleeding (gross hematuria) |
| 666 | CEBPHA | Source of BL : Pharyngeal or other oral |
| 667 | CEBPUL | Source of BL : Pulmonary bleeding |
| 668 | CEBHEMA | Source of BL : Hematoma ≥ 5cm at access site |
| 669 | CEBOOZ | Source of BL : Oozing at puncture site |
| 670 | CEBDER | Source of BL : Subcutaneous/dermal |

| 변수번호 | 변수명 | 변수설명 |
|---|---|---|
| 671 | CEBAS | Source of BL : Access site bleeding requiring intervention/surgery |
| 672 | CEBUK | Source of BL : Unknown |
| 673 | CEBOTH | Source of BL : Others |
| 674 | CEBOTHDESC | Source of BL : Others<br>- Others specify |
| 675 | CEBTYTIMI | TIMI(Thrombolysis in Myocardial Infarction) |
| 676 | CEBTYFAT | TIMI(Thrombolysis in Myocardial Infarction)<br>- Fatal(치명적 출혈) |
| 677 | CEBTYHYPO | TIMI(Thrombolysis in Myocardial Infarction)<br>- Hypotension requiring treatment with intravenous inotropic agents (Inotropic제제의 정맥내투여가 필요한 저혈압) |
| 678 | CEBTYREQ | TIMI(Thrombolysis  in Myocardial Infarction)<br>- Requires surgical intervention for ongoing bleeding (중재가 필요한 지속적 출혈) |
| 679 | CEBTYICH | TIMI(Thrombolysis in Myocardial Infarction)<br>- Symptomatic intracranial hemorrhagic (ICH, 증상을 동반하는 두 개 내출혈) |
| 680 | CEBTYDEC | TIMI(Thrombolysis in Myocardial Infarction)<br>- Adeclinein the hemoglobin level of at least 5.0g/dL or a fall in hematocrit of >15% (Hb수치가 5g/dL 또는 HCT15%이상 감소하는 출혈) |
| 681 | CEBTYRBC | TIMI(Thrombolysis  in Myocardial Infarction)<br>- Transfusion of at least 4units of whole blood or RBC (RBC 또는 whole blood 4개이상의 수혈이 필요한 출혈) |
| 682 | CEBTYBARC | BARC(Bleeding Academic Reserch Consortium) |
| 683 | CEBTYBARC3 | BARC(Bleeding Academic Reserch Consortium) - Type3a/3b/3c |
| 684 | CEBTY3AOVE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3a – Overt bleeding plus hemoglobin drop of 3 to < 5g/dL (Hb수치가 3~5g/dL 감소하는 확연한 출혈) |
| 685 | CEBTY3AANY | BARC(Bleeding  Academic Reserch Consortium)<br>- If Type3a – Any transfusion with overt bleeding (수혈이 필요한 확연한 출혈) |
| 686 | CEBTY3BOVE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Overt bleeding plus hemoglobin drop ≥ 5g/dL (Hb수치가 5g/dL 이상 감소하는 확연한 출혈) |
| 687 | CEBTY3BCAR | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Cardiactamponade (심장압전술이 필요한 경우) |
| 688 | CEBTY3BCON | BARC(Bleeding  Academic Reserch Consortium)<br>- If Type3b: Bleeding requiring surgical intervention for control (excluding dental/nasal/skin/hemorrhoid, 지혈을 위한 외과적 중재가 필요한 출혈 (치아출혈,코피,피부출혈,치질출혈제외)) |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 689 | CEBTY3BAGE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3b: Bleeding requiring intravenous vasoactive agents (정맥내 승압제의 투여가 필요한 출혈) |
| 690 | CEBTY3CIH | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3c: Intracranial hemorrhage (does not include micro bleeds or hemorrhagic transformation, does include intraspinal, 두 개내출혈(미세출혈이나 뇌경색 이후의 출혈성 변형은 제외하며 척수내 출혈은포함)) |
| 691 | CEBTY3CSC | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3c: Subcategories confirmed by autopsy or imaging or lumbar puncture (부검, 영상검사 또는 요추천자에 의해 확인된 출혈) |
| 692 | CEBTY3CICV | BARC(Bleeding Academic Reserch Consortium)<br>- If Type3c: Intraocular bleed compromising vision(시력을 위협하는 안구 내 출혈) |
| 693 | CEBTY4PI | BARC(Bleeding Academic Reserch Consortium)<br>- If Type4: Perioperative intracranial bleeding within 48hr(수술중 또는 수술후 48시간 이내의 두 개내 출혈) |
| 694 | CEBTY4REOP | BARC(Bleeding Academic Reserch Consortium)<br>- If Type4: Reoperation after closure of sternotomy for the purpose of controlling bleeding (지혈을 위한 재수술이 필요한 경우) |
| 695 | CEBTY4TRA | BARC(Bleeding Academic Reserch Consortium)<br>- If Type4: Transfusion of ≥ 5U whole blood or packed redblood cell swith in a 48-h period (48시간이내에 RBC 또는 whole blood 5개이상의 수혈이 필요한 경우) |
| 696 | CEBTY4CHE | BARC(Bleeding Academic Reserch Consortium)<br>- If Type4: Chest tube out put ≥ 2L within a 24-h period (24시간 이내에 흉관배액량이 2L이상인 경우) |
| 697 | CEBTY5A | BARC(Bleeding Academic Reserch Consortium)<br>- If Type5: (Fatal bleeding, 치명적출혈): Type 5a-Probable fatal bleeding; no autopsy or imaging confirmation but clinically suspicious(부검이나 영상확인은 시행하지 않았지만 임상적으로 치명적 출혈이 의심되는경우) |
| 698 | CEBTY5B | BARC(Bleeding Academic Reserch Consortium)<br>- If Type5 (Fatal bleeding, 치명적출혈): Type5b- Definite fatal bleeding; overt bleeding or autopsy or imaging confirmation(확연한 출혈 또는 부검이나 영상검사로 확인된 명백한 치명적 출혈) |
| 699 | CEBEVTOUT | Event outcome |
| 700 | CEBASON | Aspirin Ongoing |
| 701 | CEBASSPDTC | Aspirin Ongoing – stop date |
| 702 | CEBASSPREA | Aspirin Ongoing – stop reason |
| 703 | CEBCLON | Clopidogrel Ongoing |
| 704 | CEBCLSPDTC | Clopidogrel Ongoing – stop date |

| 변수<br>번호 | 변수명 | 변수설명 |
|---|---|---|
| 705 | CEBCLSPREA | Clopidogrel Ongoing – stop Reason |
| 706 | CEBTION | Ticagrelor Ongoing |
| 707 | CEBTISPDTC | Ticagrelor Ongoing – stop date |
| 708 | CEBTISPREA | Ticagrelor Ongoing – stop Reason |
| 709 | CEBPRON | Prasugrel Ongoing |
| 710 | CEBPRSPDTC | Prasugrel Ongoing – stop date |
| 711 | CEBPRSPREA | Prasugrel Ongoing – stop reason |
| 712 | CEBCION | Cilostazol Ongoing |
| 713 | CEBCISPDTC | Cilostazol Ongoing – stop date |
| 714 | CEBCISPREA | Cilostazol Ongoing – stop Reason |
| 715 | CEBCOM | Comment |
| 716 | CEBADJ | Adjudication |
| 717 | CEBADJDTC | Adjudication – Adjudication Date |
| 718 | CEBADJRES | Adjudication – Adjudication Result |
| 719 | CEBADJCOM | Adjudication – Adjudication Comment |
| 720 | CEBSIGN | Sign by |
| 721 | CEBSIGNDTC | Sign Date |
| 722 | QSE5DTC | 설문 날짜 |
| 723 | QSE5ND | Not Done |
| 724 | QSE5SVY1 | 이동력 |
| 725 | QSE5SVY2 | 자기 관리 |
| 726 | QSE5SVY3 | 일상 활동 |
| 727 | QSE5SVY4 | 통증 / 불편감 |
| 728 | QSE5SVY5 | 불안 / 우울 |
| 729 | QSE5SVY6 | 오늘 당신의 건강상태 |
| 730 | QSE5COM | Comment |
| 731 | QSH8DTC | 설문 날짜 |
| 732 | QSH8ND | Not  Done |
| 733 | QSH8SVY1 | 질문1 |
| 734 | QSH8SVY2 | 질문2 |
| 735 | QSH8SVY3 | 질문3 |
| 736 | QSH8SVY4 | 질문4 |
| 737 | QSH8SVY5 | 질문5 |
| 738 | QSH8SVY6 | 질문6 |
| 739 | QSH8SVY7 | 질문7 |
| 740 | QSH8SVY8 | 질문8 |
| 741 | QSH8COM | Comment |

# Ⅳ. 부록

## 1. 연구대상자 선정·제외기준

| | 선정기준 | | 제외기준 |
|---|---|---|---|
| 1 | 만19세 이상의 남성 또는 여성 | 1 | 현재 급성 관동맥 증후군의 증거가 있거나 1달 이내에 발생한 심근 경색을 경험한 경우 |
| 2 | 적어도 1개 이상의 관상 동맥 약물 방출 스텐트 시술을 성공적으로 받은 환자 | 2 | 중증 심부전(EF≤30%)혹은 중증 이상의 판막 질환으로 NYHA Ⅲ~Ⅳ 의 호흡곤란이 있는 경우 |
| 3 | 스텐트 삽입 시술 후 12개월 이상 경과한 시점에 수술이 예정된 환자 | 3 | 아스피린의 부작용으로 복용이 어려운 경우 |
| 4 | 정규 비심장성 수술이 계획된 환자 | 4 | 항응고제를 투여해야 하는 경우 |
| 5 | 환자 또는 법정 대리인이 연구계획서와 추적 조사에 동의하고, 연구기관의 연구심의 위원회/윤리 위원회가 승인한 임상시험 대상자 동의서에 서면으로 사전 동의한 대상자 | 5 | 응급 수술인 경우 |
| | | 6 | 심장 수술 |
| | | 7 | 출혈 발생시 위험도가 매우 높은 수술 (Intra-cranial surgery, Intra-spinal surgery, Retinal surgery) |
| | | 8 | Screening visit, 신체검진, 혈액검사 또는 심전도 검사에서 확인된 연구자 판단에 의한 연구의 안전성을 침해할 만한 임상적으로 유의한 비정상적 소견이 있는 경우 |
| | | 9 | 연구계획서에 설명된 절차를 원하지 않거나 준수 할 수 없는 경우 |
| | | 10 | 임신 검사 결과 양성(모든 가임 여성 대상자는 스크리닝 및/또는 무작위 배정 전 혈액 또는 뇨 사람 융모성 성선자극호르몬(hCG)임신 검사를 받아야 한다) 또는 임신 중 또는 연구 기간 중 임신을 계획하는 가임기 여성 또는 수유 중인 여성 |
| | | 11 | 기대여명이 1년 이하인 경우 |

## 2. 주요 선행연구 목록

| 번호 | 논문명 | 주저자명 | 서지정보 |
|---|---|---|---|
| 1 | Aspirin Monotherapy vs No Antiplatelet Therapy in Stable Patients With Coronary Stents Undergoing Low-to-Intermediate Risk Noncardiac Surgery | Do-Yoon Kang 외 39명 | Journal of the American College of Cardiology. 2024;84(24):2380-2389. |

## 2. 주요 선행연구 목록

# 3. Annotated CRF

| 도메인명(eCRF 명) | Demographic |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Operation Risk**<br>**DMOPERISK** | :: Operation Risk 선택 :: ▾<br>1=mild to moderate 2=high | | |
| **Random Code**<br>**DMRANCD** | [ ]<br>Aspirin only, No antiplatelet | | |
| **Actual Treatment**<br>**DMACTTX** | ○ Aspirin only  ○ No antiplatelet<br>1=Aspirin only 2=No antiplatelet | | |
| **Changed reason**<br>**DMREAS** | ○ Patient Preference<br>○ Doctor Preference<br>○ Others<br>1=Patient Preference 2=Doctor Preference 3=Others | **reason, other specify**<br>**DMREASOTH** | [ ]<br>text |
| **Protocol violation**<br>**DMVIO** | ☐ Yes<br>1=Yes | **Reason of protocol violation**<br>**DMVIOREAS** | [ ]<br>text |
| **Withdraw**<br>**DMWIT** | ☐ Yes<br>1=Yes | **Reason of withdraw**<br>**DMWITREAS** | [ ]<br>text |

▶ Comment

| | |
|---|---|
| **Comment**<br>**DMCOM** | [ ] |

| 도메인명(eCRF 명) | Inclusion and Exclusion |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

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| 선정, 제외기준 정보수집일 **IEDTC** | YYYY-MM-DD |
|---|---|

▶ Inclusion Criteria

| 1) 만 19세 이상 **IEORRES1** | ○ Yes ○ No <br> 1=Yes 2=No |
|---|---|
| 2) 적어도 1개 이상의 관상 동맥 약물 방출 스텐트 시술을 성공적으로 받은 경우 **IEORRES2** | ○ Yes ○ No <br> 1=Yes 2=No |
| 3) 스텐트 삽입 시술 후 12개월 이상 경과한 시점에 수술이 예정된 환자 **IEORRES3** | ○ Yes ○ No <br> 1=Yes 2=No |
| 4) 전신 마취하에 정규 비심장성 수술이 계획된 환자 **IEORRES4** | ○ Yes ○ No <br> 1=Yes 2=No |
| 5) 환자 또는 법정 대리인이 연구계획서와 추적 조사에 동의하고, 연구기관의 연구심의 위원회/윤리 위원회가 승인한 임상시험 대상자 동의서에 서면으로 사전 동의한 경우 **IEORRES5** | ○ Yes ○ No <br> 1=Yes 2=No |

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▶ Exclusion Criteria

| 1) 현재 급성 관동맥 증후군의 증거가 있거나 1달 이내에 발생한 심근 경색을 경험한 경우 **IEORRES6** | ○ Yes ○ No <br> 1=Yes 2=No |
|---|---|
| 2) 중증 심부전(EF≤30%) 혹은 중증 이상의 판막 질환으로 NYHA III-IV의 호흡곤란이 있는 경우 **IEORRES7** | ○ Yes ○ No <br> 1=Yes 2=No |
| 3) 아스피린의 부작용으로 복용이 어려운 경우 **IEORRES8** | ○ Yes ○ No <br> 1=Yes 2=No |
| 4) 항응고제를 투여해야 하는 경우 **IEORRES9** | ○ Yes ○ No <br> 1=Yes 2=No |
| 5) 응급 수술인 경우 **IEORRES10** | ○ Yes ○ No <br> 1=Yes 2=No |
| 6) 심장 혹은 경동맥 수술 **IEORRES11** | ○ Yes ○ No <br> 1=Yes 2=No |
| 7) 출혈 시 위험도가 매우 높은 수술 (Intra-cranial surgery, Intra-spinal surgery, Retinal surgery) **IEORRES12** | ○ Yes ○ No <br> 1=Yes 2=No |
| 8) Screening visit, 신체검진, 혈액검사 또는 심전도 검사에서 확인된 연구자 판단에 의한 연구의 안전성을 침해할 만한 임상적으로 유의한 비정상적 소견이 있는 경우 **IEORRES13** | ○ Yes ○ No <br> 1=Yes 2=No |

| 9) 연구계획서에 설명된 절차를 원하지 않거나 준수 할 수 없는 경우<br><br>**IEORRES14** | ○ Yes  ○ No<br><br>1=Yes 2=No |
| --- | --- |
| 10) 임신부, 수유부 또는 가임 여성<br><br>**IEORRES15** | ○ Yes  ○ No<br><br>1=Yes 2=No |

| 11) 기대여명이 1년 이하인 경우<br><br>**IEORRES16** | ○ Yes  ○ No<br><br>1=Yes 2=No |
| --- | --- |

| 도메인명(eCRF 명) | Baseline |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ Vital Sign

**Vital Sign**
**VSSTAT**
○ Done ○ Not Done
1=Done 2=Not Done

**Date of V/S**
**VSDTC**
YYYY-MM-DD

**신장**
**VSHEIGHT**
신장 (cm)　　　cm

**체중**
**VSWEIGHT**
체중 (kg)　　　kg

**BMI**
**VSBMI**
BMI(body Mass Index, 신체질량지수) (kg/m²)　　kg/m²

**수축기 혈압**
**VSSYSBP**
수축기 혈압 (mmHg)　　mmHg

**이완기 혈압**
**VSDIABP**
이완기 혈압 (mmHg)　　mmHg

**맥박**
**VSPULSE**
맥박 (beats/min)　　beats/min

▶ Last PCI data (exclude POBA)

**Date of last PCI**
**BALPCIDTC**
(Percutaneous Coronary Intervention)YYYY-MM-DD

**Diagnosis**
**BALDIA**
○ Silent ischemia ○ Stable angina
○ ACS(Unstable angina, NSTEMI, STEMI)
○ Undefined ○ Unknown
1=Silent ischemia(무증상 협심증) 2=Stable angina(안정형협심증) 3=ACS(Acute Coronary Syndrome, 급성관상동맥증후군): Unstable angina(불안정형협심증), NSTEMI(Non ST Elevation MI, 비ST분절상승 심근경색), STEMI(ST Elevation MI, ST분절상승 심근경색) 4=Undefined 5=Unknown

**Undefined specify**
**BALDIAUND**
text

| Diseased vessel | ☐ LM | ☐ LAD | ☐ LCX | ☐ RCA | ☐ Ramus | ☐ Unknown |
|---|---|---|---|---|---|---|
| | BALDISLM , 1=LM | BALDISLAD ,1=LAD | BALDISLCX, 1=LCX | BALDISRCA,1=RCA | BALDISRAM,1=Ramus | BALDISUK, 1=Unknown |

**▶ ALL PCI data(all PCI including last PCI)**

| Bifurcation two stenting **BAABIFUR** | ○ Yes ○ No ○ Unknown  1=Yes 2=No 3=Unknown |
|---|---|

| Stented vessel | ☐ LM | ☐ LAD | ☐ LCX | ☐ RCA | ☐ Ramus | ☐ Unknown |
|---|---|---|---|---|---|---|
| | BALSTELM, 1=LM | BAASTELAD, 1=LAD | BAASTELCX, 1=LCX | BAASTERCA, 1=RCA | BAASTERAM, 1=Ramus | BAASTEUK, 1=Unknown |

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| | ::: Lesion #1 : ⌄ | | ::: Lesion #1 : ⌄ | | | |
| 1 | BASEG1 ,1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Descending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | BAPCIDTC1, YYYY-MM-DD | BAST1, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown 28=Others 29=Promus Synergy XD 30=Promus Synergy MEGATRON | BASTOTH1, text | mm  BASTSIZ1, Size (mm) | mm  BASTLEN1, Length (mm) |

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 2 | :: Lesion #2 : ∨ | | :: Lesion #2 : ∨ | | | |
| | BASEG2, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC2, YYYY-M M-DD | BAST2, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH2, text | mm BASTSIZ2, Size (mm) | mm BASTLEN2, Length (mm) |

:: Lesion #2 : ∨

BASEG2, 1=Proximal
RCA 2=Mid RCA 3=
Distal RCA 5=Posterolateral

BAPCIDTC2, YYYY-M
M-DD

BAST2, 1=Biofreedo
m 2=Biomatrix 3=Cil
otax 4=Cypher 5=De
syne 6=Endeavor 7=

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 3 | :: Lesion #3 : ▼ | | :: Lesion #3 : ▼ | | | |
| | BASEG3,1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | BAPCIDTC3, YYYY-MM-DD | BAST3, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown 28=Others 29=Promus Synergy XD 30=Promus Synergy MEGATRON | BASTOTH3, text | mm<br>BASTSIZ3, Size (mm) | mm<br>BASTLEN3, Length (mm) |

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 4 | ::: Lesion #4 : ▼ | | ::: Lesion #4 : ▼ | | | |
| | BASEG4, 1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | BAPCIDTC4, YYYY-MM-DD | BAST4, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown 28=Others 29=Promus Synergy XD 30=Promus Synergy MEGATRON | BASTOTH4, text | mm BASTSIZ4, Size (mm) | mm BASTLEN4, Length (mm) |

BASEG4, 1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral

BAPCIDTC4, YYYY-MM-DD

BAST4, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=

BASTOTH4, text

BASTSIZ4, Size (mm)

BASTLEN4, Length (mm)

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 5 | :: Lesion #5 : ▼<br><br>BASEG5, 1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left Circumflex artery) 19=Distal LCX(left Circumflex artery) | BAPCIDTC5, YYYY-MM-DD | :: Lesion #5 : ▼<br><br>BAST5, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown 28=Others 29=Promus Synergy XD 30=Promus Synergy MEGATRON | BASTOTH5, text | mm<br><br>BASTSIZ5, Size (mm) | mm<br><br>BASTLEN5, Length (mm) |

BASEG5, 1=Proximal RCA 2=Mid RCA 3=Distal RCA 4=Right PDA 5=Posterolateral | BAPCIDTC5, YYYY-MM-DD | BAST5, 1=Biofreedom 2=Biomatrix 3=Cilotax 4=Cypher 5=Desyne 6=Endeavor 7=Endeavor-Integrity 8=Endeavor-Resolute 9=Genous 10=Nobori 11=Onyx 12=Orsiro 13=Orsiro Mission 14=Promus 15=Promus Synergy 16=Promus-Element 17=Promus-Premire 18=Resolute-Integrity 19=Taxus 20=Ultimaster 21=Ultimaster Tansei 22=Xience 23=Xience-Alpine 24=Xience-Prime 25=Xience-Sierra 26=Xience-Xpedition 27=Unknown 28=Others 29=Promus Synergy XD 30=Promus Synergy MEGATRON | BASTOTH5, text

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 6 | :: Lesion #6 :▼ | | :: Lesion #6 :▼ | | | |
| | BASEG6, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC6, YYYY-M M-DD | BAST6, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH6, text | mm<br><br>BASTSIZ6, Size (mm) | mm<br><br>BASTLEN6, Length (mm) |

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 7 | ::: Lesion #7 : ∨ | | ::: Lesion #7 : ∨ | | | |
| | BASEG7, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC7, YYYY-M M-DD | BAST7, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH7, text | mm<br><br>BASTSIZ7, Size (mm) | mm<br><br>BASTLEN7, Length (mm) |

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 8 | :: Lesion #8 : ⌄ | | :: Lesion #8 : ⌄ | | | |
| | BASEG8, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC8, YYYY-M M-DD | BAST8, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH8, text | mm BASTSIZ8, Size (mm) | mm BASTLEN8, Length (mm) |

:: Lesion #8 : ⌄

BASEG8, 1=Proximal RCA 2=Mid RCA 3=

BAPCIDTC8, YYYY-M M-DD

BAST8, 1=Biofreedo m 2=Biomatrix 3=Cil

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 9 | :: Lesion #9 : ▾ | | :: Lesion #9 : ▾ | | | |
| | BASEG9, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC9, YYYY-M M-DD | BAST9, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH9, text | mm BASTSIZ9, Size (mm) | mm BASTLEN9, Length (mm) |

BASEG9, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Posterolateral

BAPCIDTC9, YYYY-M M-DD

BAST9, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7=

BASTOTH9, text

mm BASTSIZ9, Size (mm)

mm BASTLEN9, Length (mm)

| No | Lesion segment-CASS No. | PCI date | Stent name | Stent, other specify | Size | Length |
|---|---|---|---|---|---|---|
| 10 | :: Lesion #10 ∨ <br><br> BASEG10, 1=Proximal RCA 2=Mid RCA 3= Distal RCA 4=Right P DA 5=Posterolateral (PL) 6=1st right PL 7 =2nd right PL 8=3rd right PL 9=Right sept al branc 10=Right ve ntricular 11=Left mai n 12=Proximal LAD(L eft Anterior Desecen ding artery) 13=Mid LAD(Left Anterior De secending artery) 14 =Distal LAD(Left Ant erior Desecending ar tery) 15=1st diagona l 16=2nd diagonal 1 7=1st septal 18=Prox imal LCX(left Circumfl eX artery) 19=Distal LCX(left CircumfleX a rtery) | BAPCIDTC10, YYYY-M M-DD | :: Lesion #10 ∨ <br><br> BAST10, 1=Biofreedo m 2=Biomatrix 3=Cil otax 4=Cypher 5=De syne 6=Endeavor 7= Endeavor-Integrity 8 =Endeavor-Resolute 9=Genous 10=Nobor i 11=Onyx 12=Orsiro 13=Orsiro Mission 1 4=Promus 15=Promu s Synergy 16=Promu s-Element 17=Promu s-Premire 18=Resolut e-Integrity 19=Taxus 20=Ultimaster 21=Ul timaster Tansei 22=Xi ence 23=Xience-Alpi ne 24=Xience-Prime 25=Xience-Sierra 26 =Xience-Xpedition 2 7=Unknown 28=Oth ers 29=Promus Syner gy XD 30=Promus Sy nergy MEGATRON | BASTOTH10, text | mm <br><br> BASTSIZ10, Size (m m) | mm <br><br> BASTLEN10, Length (mm) |

▣ Risk Factor & Medical History

| 질병력 정보 수집일 <br> **MHDTC** | MHDTC, YYYY-MM-DD | | |
|---|---|---|---|
| **Hypertension** <br> **MHHTN** | ○ Yes ○ No ○ Unknown <br> 1=Yes 2=No 3=Unknown | **Hypertension Medication** <br> **MHHTNMED** | ○ Yes ○ No ○ Unknown <br> 1=Yes 2=No 3=Unknown |
| | | **Hypertension 질병상태** <br> **MHHTNCND** | ○ Before ○ Coincident ○ Ongoing <br> ○ Unknown <br> 1=Before 2=Coincident 3=Ongoing 4=Unkno wn |

| **Diabetes Treatment** | ☐ Diet <br> MHDMTXDIE, 1=Diet | ☐ Insulin <br> MHDMTXINS, 1=Insulin | ☐ Oral drug <br> MHDMTXORA, 1=Oral drug | ☐ Unknown <br> MHDMTXUK, 1=Unknown |
|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Smoking**<br><br>**DMSMK** | ○ Never ○ Current ○ Ex-Smoker<br>○ Unknown<br>1=Never 2=Current 3=Ex-Smoker 4=Unknow<br>n | 흡연기간<br><br>**DMSMKDUR** | _____ 년<br>(흡연기간=년),UK=Unknown |
| | | 금연기간<br><br>**DMNSMKDUR** | _____ 년<br>금연기간 (년),UK=Unknown |
| | | 하루 흡연량<br><br>**DMSMKCIPD** | _____ 개피<br>text |
| **Alcohol**<br><br>**DMDRK** | ○ Social ○ Heavy ○ No ○ 과거음주자<br>○ Unknown<br>1=Social 2=Heavy 3=No 4=과거음주자 5=Un<br>known | 음주기간<br><br>**DMDRKDUR** | _____ 년<br>UK=Unknown |
| | | 술종류<br><br>**DMDRKCAT** | ○ 소주 ○ 맥주 ○ 양주 ○ 막걸리<br>○ 와인<br>1=소주 2=맥주 3=양주 4=막걸리 5=와인 |
| | | 1회 음주량<br><br>**DMDRKAMT** | _____ 잔<br>UK=Unknown |
| **Dyslipidemia**<br><br>**MHDYS** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Previous CABG**<br><br>**MHPRECAB** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | **CABG Date**<br><br>**MHPRECADTC** | _____<br>CABG Date=YYYY-MM-DD |
| **Previous Myocardial Infarction**<br><br>**MHPREMI** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Family history of coronary artery disease**<br><br>**MHFHCAD** | ○ Yes ○ No ○ Unknown<br>MHFHCAD, 1=Yes 2=No 3=Unknown | | |

| Family History, Yes인 경우<br>대상자와의 관계 | ☐ 부<br>MHSRELFA, 1=부 | ☐ 모<br>MHSRELMO, 1=모 | ☐ (외)조부모<br>MHSRELGP, 1=(외)조부모 | ☐ 형제/자매<br>MHSRELBR, 1=형제/자매 | ☐ 자녀<br>MHSRELCH, 1=자녀 |
|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Previous congestive heart failure**<br>**MHPREHF** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Atrial Fibrillation**<br>**MHATRFIB** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Atrial Flutter**<br>**MHATRFLU** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Previous CVA**<br>**MHPRECVA** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | **CVA Type**<br>**MHPRECVATY** | ○ Hemorrhagic ○ Ischemic ○ Mixed<br>○ Unknown type<br>1=Hemorrhagic 2=Ischemic 3=Mixed 4=Unknown type |
| **Previous peripheral vascular disease**<br>**MHPREPVD** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Previous Renal failure(CKD)**<br>**MHPRERF** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | **Previous chronic dialysis**<br>**MHPRERFCD** | ○ Yes ○ No<br>1=Yes 2=No |
| **Previous chronic lung disease**<br>**MHPRECLD** | ○ Yes ○ No ○ Unknown<br>1=Yes 2=No 3=Unknown | | |
| **Cancer**<br>**MHCAN** | ○ Yes ○ No ○ Unknown<br>MHCAN, 1=Yes 2=No 3=Unknown | **Cancer 질병상태**<br>**MHCANCND** | ○ Before ○ Coincident ○ Ongoing<br>○ Unknown<br>1=Before 2=Coincident 3=Ongoing 4=Unknown |

| | | | | |
|---|---|---|---|---|
| **Cancer Treatment** | ☐ 수술<br>MHCANTXOP, 1=수술 | ☐ 항암<br>MHCANTXCH, 1=항암 | ☐ 방사선<br>MHCANTXRA, 1=방사선 | ☐ Unknown<br>MHCANTXUK, 1=Unknown |

▶ Laboratory data

| | | | |
|---|---|---|---|
| **실험실 정보수집일**<br>**LBBDTC** | YYYY-MM-DD | | |
| **Creatinine**<br>**LBCRT** | _____ mg/dL<br>정상범위: 0.7~1.4 ND=Not Done | **BUN**<br>**LBBUN** | _____ mg/dL<br>정상범위: 10~26 ND=Not Done |
| **SGOT (AST)**<br>**LBAST** | _____ IU/L<br>정상범위: ~40 ND=Not Done | **SGPT (ALT)**<br>**LBALT** | _____ IU/L<br>정상범위: ~40 ND=Not Done |

| | | | |
|---|---|---|---|
| **Previous congestive heart failure**<br><br>**MHPREHF** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | | |
| **Atrial Fibrillation**<br><br>**MHATRFIB** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | | |
| **Atrial Flutter**<br><br>**MHATRFLU** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | | |
| **Previous CVA**<br><br>**MHPRECVA** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | **CVA Type**<br><br>**MHPRECVATY** | ○ Hemorrhagic ○ Ischemic ○ Mixed<br>○ Unknown type<br>1=Hemorrhagic 2=Ischemic 3=Mixed 4=Unknown type |
| **Previous peripheral vascular disease**<br><br>**MHPREPVD** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | | |
| **Previous Renal failure(CKD)**<br><br>**MHPRERF** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | **Previous chronic dialysis**<br><br>**MHPRERFCD** | ○ Yes ○ No<br><br>1=Yes 2=No |
| **Previous chronic lung disease**<br><br>**MHPRECLD** | ○ Yes ○ No ○ Unknown<br><br>1=Yes 2=No 3=Unknown | | |
| **Cancer**<br><br>**MHCAN** | ○ Yes ○ No ○ Unknown<br><br>MHCAN, 1=Yes 2=No 3=Unknown | **Cancer 질병상태**<br><br>**MHCANCND** | ○ Before ○ Coincident ○ Ongoing<br>○ Unknown<br>1=Before 2=Coincident 3=Ongoing 4=Unknown |

| **Cancer Treatment** | ☐ 수술<br>MHCANTXOP, 1=수술 | ☐ 항암<br>MHCANTXCH, 1=항암 | ☐ 방사선<br>MHCANTXRA, 1=방사선 | ☐ Unknown<br>MHCANTXUK, 1=Unknown |
|---|---|---|---|---|

▶ Laboratory data

| | | | |
|---|---|---|---|
| **실험실 정보수집일**<br><br>**LBBDTC** | [ ]<br>YYYY-MM-DD | | |
| **Creatinine**<br><br>**LBCRT** | [ ] mg/dL<br>정상범위: 0.7~1.4 ND=Not Done | **BUN**<br><br>**LBBUN** | [ ] mg/dL<br>정상범위: 10~26 ND=Not Done |
| **SGOT (AST)**<br><br>**LBAST** | [ ] IU/L<br>정상범위: ~40 ND=Not Done | **SGPT (ALT)**<br><br>**LBALT** | [ ] IU/L<br>정상범위: ~40 ND=Not Done |

| Total Cholesterol  LBCHOL | [　　　] mg/dL  정상범위: ~199 ND=Not Done | Triglycerides  LBTG | [　　　] mg/dL  정상범위: ~199 ND=Not Done |
|---|---|---|---|
| HDL  LBHDL | [　　　] mg/dL  정상범위: 40 ND=Not Done | LDL  LBLDL | [　　　] mg/dL  정상범위: 129 ND=Not Done |
| hS-CRP  LBHSCRP | [　　　] mg/dL  정상범위: 0~0.6 ND=Not Done | CK  LBCK | [　　　] IU/L  정상범위: 50~250 ND=Not Done |
| Glucose (Fasting)  LBFBS | [　　　] mg/dL  정상범위: 70~99 ND=Not Done | BNP  LBBNP | [　　　]  정상범위: ~167 ND=Not Done |
| D-dimer  LBDDIMER | [　　　] μg/mL  정상범위: ~0.5 ND=Not Done | Fibrinogen  LBFIB | [　　　] mg/dL  정상범위: 200~400 ND=Not Done |
| HbA1c  LBHBA | [　　　] %  정상범위: 4~6 ND=Not Done | Pregnancy Test (Urine)  LBPTR | ○ NA ○ Negative ○ Positive  1=NA(Not Applicable) 2=Negative 3=Positive |
| yGTP  LBGTP | [　　　] IU/L  정상범위: 5~36 ND=Not Done | 신사구체여과율 (e-GFR)  LBEGRF | [　　　]  mL/min/1.73m²  정상범위: 60 ND=Not Done |

▶ Non-Invasive Test(Baseline)

| Echo-cardiogram  NIEC | ○ Done ○ Not done  1=Done 2=Not done |
|---|---|
| LVEF  NIECLVEF | [　　　] %  (Left Ventricular Ejection Fraction) (%) |
| LV wall motion abnormality  NIECLVWM | ○ Abnormal ○ Normal  1=Abnormal 2=Normal |
| Thallium SPECT  NITHASPEC | ○ Not done ○ Positive ○ Negative ○ Inconclusive  1=Not done 2=Positive 3=Negative 4=Inconclusive |

▶ Other Concomitant

| Antiplatelet | 수술 전 1회 투여량(dose) | 수술 전 1일 투약횟수 |
|---|---|---|
| Aspirin(tablet) | [　　　] mg  CMBADOAD, NA=Not Applicable | [　　　] 회  CMBADYFRQ, NA=Not Applicable |

| Drug | Warfarin Ongoing | Warfarin 마지막 복용일 |
|---|---|---|
| Warfarin | ○ Yes ○ No ○ Unknown  CMBWAON, 1=Yes 2=No 3=Unknown | [　　　]  CMBWALDTC, YYYY-MM-DD, NA=Not Applicable |
| NOAC | ○ Yes ○ No ○ Unknown  CMBNOON, 1=Yes 2=No 3=Unknown | [　　　]  CMBNOLDTC, YYYY-MM-DD, NA=Not Applicable |
| ACE Inhibitors/ARB | ○ Yes ○ No ○ Unknown  CMBACON, 1=Yes 2=No 3=Unknown | |
| Beta blocker | ○ Yes ○ No ○ Unknown  CMBBEON, 1=Yes 2=No 3=Unknown | |

| Drug | Warfarin Ongoing | Warfarin 마지막 복용일 |
|---|---|---|
| **Calcium channel blocker** | ○ Yes ○ No ○ Unknown<br><br>CMBCAON, 1=Yes 2=No 3=Unknown | |
| **Statin** | ○ Yes ○ No ○ Unknown<br><br>CMBSTON, 1=Yes 2=No 3=Unknown | |

▶ MACE (5 days before operation)

| MACE<br><br>**BAMACE** | ○ Yes ○ No<br><br>BAMACE, 1=Yes 2=No | | | | | |
|---|---|---|---|---|---|---|
| **MACE** | ☐ Death<br><br>BAMACEDEA, 1=Death | ☐ MI<br><br>BAMACEMI, 1=MI | ☐ RR<br><br>BAMACERR, 1=RR | ☐ ST<br><br>BAMACEST, 1=ST | ☐ CVA<br><br>BAMACECVA, 1=CVA | ☐ Bleeding<br><br>BAMACEBL, 1=Bleeding |

▶ Comment

| Comment<br><br>**BACOM** | <br><br>text |
|---|---|

| 도메인명(eCRF 명) | Operation |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ Operation Data

| Operation Date | | | |
|---|---|---|---|
| OPDTC | YYYY-MM-DD | | |
| Operation done | ○ Yes ○ No | If Yes, Date | |
| OPDON | 1=Yes 2=No | OPDONDTC | YYYY-MM-DD |
| | | If No, Reason | ○ Death ○ Cancel of operation ○ Other |
| | | OPNDREAS | 1=Death 2=Cancel of operation 3=Other |
| | | reason, other specify | |
| | | OPNDREASO | text |

▶ Surgical Criteria

| Type of anesthesia | ○ General ○ Regional | anesthesia, other specify | |
|---|---|---|---|
| OPANE | ○ MAC(Monitored Anesthesia Care) | OPANEOTH | text |
| | ○ Local ○ Other | | |
| | 1=General 2=Regional 3=MAC(Monitored Anesthesia Care) 4=Local 5=Other | | |
| Department | ::: Department 선택 :::  ✓ | department, other specify | |
| OPDEP | 1=Abdomen 2=Head & Neck 3=Neurology 4=Orthopedics 5=Thoracic & Breast 6=URO & OBGY 7=Other | OPDEPOTH | text |

| Operation | ::: Operation 선택 :::  ✓ | operation, other specify | |
|---|---|---|---|
| OPOPE | 1=Diagnostic laparoscopy 2=Laparoscopic lysis of adhesion 3=Inguinal hernia repair 4=Hemorrhoid 5=Acute appendicitis 6=Cholecystectomy 7=Hepatectomy 8=Major laparoscopic procedures 9=Resection or reconstructive surgery of the digestive tract - Gastric resection 10=Bowel resection 11=Major resection or reconstruction of the gastrointestinal tract 12=Eye anterior chamber surgery (Cataract, Other corneal surgery, etc.) 13=Tonsillectomy 14=Adenoidectomy 15=Rhinoplasty 16=Septoplasty 17=Sinus surgery | OPOPEOTH | text |

| | Bleeding Risk 선택 | | | | |
|---|---|---|---|---|---|
| **Bleeding Risk**<br>**OPBLRISK** | :: Bleeding Risk 선택 ::  ⌄<br>1=mild to moderate 2=high | | | | |

| | Start(hr) | Start(min) | Finish(hr) | Finish(min) | Total(min) |
|---|---|---|---|---|---|
| **Total operaton time** | [____] hr<br>OPTMSTHR, hr | [____] min<br>OPTMSTMIN, min | [____] hr<br>OPTMENHR, hr | [____] min<br>OPTMENMIN, min | [____] min<br>OPTMTOT, min |

| **Transfusion during operation(OR)** | ○ Yes ○ No<br>OPTRA, 1=Yes 2=No | ☐ Whole blood<br>OPWB, 1=Whole blood | [____] units<br>OPWBU, (units) |
|---|---|---|---|
| | | ☐ RBCs<br>OPWBU,1=RBCs | [____] units<br>OPRBCU, (units) |
| | | ☐ FFP<br>OPFFP, 1=FFP | [____] units<br>OPFFPU, (units) |
| | | ☐ Platelets<br>OPPLT, 1=Platelets | [____] units<br>OPPLTU, (units) |

| **Estimated blood loss**<br>**OPBLLOS** | [____] cc<br>volume (cc) |
|---|---|
| **Major Bleeding during operation**<br>**OPMB** | ○ Yes ○ No<br>1=Yes 2=No |

**Type of major bleeding**

☐ fatal bleeding

OPMBTYFAT, 1=fatal bleeding

☐ Bleeding in a critical organ (intracranial, intraspinal, intraocular)

OPMBTYCRI, 1=Bleeding in a critical organ (intracranial, intraspinal, intraocular)

☐ Bleeding causing hypovolemic shock or severe hypotension requiring vasopressors or surgery or intervention

OPMBTYHYP, 1=Bleeding causing hypovolemic shock or severe hypotension requiring vasopressors or surgery or intervention

☐ Bleeding with drop in hemoglobin ≥3g/dl

OPMBTYHEM, 1=Bleeding with drop in hemoglobin ≥3g/dl

☐ whole blood or packed red blood cells (RBCs) transfusion ≥3 units

OPMBTYWHO, 1=whole blood or packed red blood cells (RBCs) transfusion ≥3 units

▶ Comment

| **Comment**<br>**OPCOM** | [_____]<br>text |
|---|---|

| 도메인명(eCRF 명) | 30days Evaluation |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

**▶ Discharge Evaluation**

| Discharge<br>**EVDIS** | ○ Yes ○ No<br>1=Yes 2=No | | |
|---|---|---|---|
| Discharge date<br>**EVDISDTC** | [　　　　]<br>YYYY-MM-DD | | |
| Status at Discharge<br>**EVDISSTAT** | ○ Discharge (home) ○ Transfer ○ Death<br>1=Discharge (home) 2=Transfer 3=Death | | |
| Reason of prolonged hospitalization<br>**EVPROREAS** | ○ Bleeding related ○ Cardiac reason<br>○ Non-cardiac reason<br>1=Bleeding related 2=Cardiac reason 3=Non-cardiac reason | If non-cardiac, reason<br>**EVPROREASO** | [　　　　　]<br>text |
| ICU care after operation<br>**EVICU** | ○ Yes ○ No<br>1=Yes 2=No | ICU care, if Yes<br>**EVICUDY** | [　　　　] days<br>(days) |

**▶ Laboratory**

| 실험실 정보수집일<br>**LBEDTC** | [　　　　]<br>YYYY-MM-DD | |
|---|---|---|

| Lab | Baseline(Before operation) | POD#1 | lowest after operation | Peak after operation | At discharge |
|---|---|---|---|---|---|
| WBC | [　　　]<br>x10³ / mm³<br>LBWBCBAV, 정상범위: 4~10, ND=Not Done | [　　　]<br>x10³ / mm³<br>LBWBCPOV, 정상범위: 4~10, ND=Not Done | [　　　]<br>x10³ / mm³<br>LBWBCLOV, 정상범위: 4~10, ND=Not Done | | [　　　]<br>x10³ / mm³<br>LBWBCDIV, 정상범위: 4~10, ND=Not Done |
| Hb | [　　　]<br>g/dL<br>LBHBBAV, 정상범위: 12~16, ND=Not Done | [　　　]<br>g/dL<br>LBHBPOV, 정상범위: 12~16, ND=Not Done | [　　　]<br>g/dL<br>LBHBLOV, 정상범위: 12~16, ND=Not Done | | [　　　]<br>g/dL<br>LBHBDIV, 정상범위: 12~16, ND=Not Done |
| Platelet | [　　　]<br>x10³ / mm³<br>LBPLTBAV, 정상범위: 150~350, ND=Not Done | [　　　]<br>x10³ / mm³<br>LBPLTPOV, 정상범위: 150~350, ND=Not Done | [　　　]<br>x10³ / mm³<br>LBPLTLOV, 정상범위: 150~350, ND=Not Done | | [　　　]<br>x10³ / mm³<br>LBPLTDIV, 정상범위: 150~350, ND=Not Done |
| CK | [　　　]<br>IU/L<br>LBCKBAV, 정상범위: 50~250, ND=Not Done | [　　　]<br>IU/L<br>LBCKPOV, 정상범위: 50~250, ND=Not Done | | [　　　]<br>IU/L<br>LBCKPEV, 정상범위: 50~250, ND=Not Done | [　　　]<br>IU/L<br>LBCKDIV, 정상범위: 50~250, ND=Not Done |
| CK-MB | [　　　]<br>ng/mL<br>LBCMBAV, 정상범위: ~5, ND=Not Done | [　　　]<br>ng/mL<br>LBCMPOV, 정상범위: ~5, ND=Not Done | | [　　　]<br>ng/mL<br>LBCMPEV, 정상범위: ~5, ND=Not Done | [　　　]<br>ng/mL<br>LBCMDIV, 정상범위: ~5, ND=Not Done |

| Lab | Baseline(Before operation) | POD#1 | lowest after operation | Peak after operation | At discharge |
|---|---|---|---|---|---|
| Troponin I | ng/mL<br>LBTIBAV, 정상범위: ~60, N<br>D=Not Done | ng/mL<br>LBTIPOV, 정상범위: ~60,<br>ND=Not Done | | ng/mL<br>LBTIPOV, 정상범위: ~60,<br>ND=Not Done | ng/mL<br>LBTIDIV, 정상범위: ~60, N<br>D=Not Done |
| Troponin T | ng/mL<br>LBTTBAV, 정상범위: <0.1,<br>ND=Not Done | ng/mL<br>LBTTPOV, 정상범위: <0.1,<br>ND=Not Done | | ng/mL<br>LBTTPEV, 정상범위: <0.1,<br>ND=Not Done | ng/mL<br>LBTTDIV, 정상범위: <0.1,<br>ND=Not Done |

▶ 30days FU evaluation

| 30days evaluation date<br>**EVEVLDTC** | YYYY-MM-DD | |
|---|---|---|

| | Major Bleeding after operation |
|---|---|
| OP related | ○ Yes  ○ No<br>EVMBOP, 1=Yes 2=No |
| Other reason | ○ Yes  ○ No<br>1=Yes 2=No |

| Type of major bleeding(Other reason) |
|---|
| ☐ Fatal bleeding<br>EVTYFAT, 1=fatal bleeding |
| ☐ critical area/organ bleeding<br>EVTYCRI, 1=critical area/organ bleeding |
| ☐ Requires Reoperation or intervention<br>EVTYREO, 1=Requires Reoperation or intervention |
| ☐ Hb drop ≥ 3g/dL or additional transfusion of ≥ 3U whole blood or packed red blood cells(except for predicted blood loss)<br>EVTYHB, 1=Hb drop ≥ 3g/dL or additional transfusion of ≥ 3U whole blood or packed red blood cells(except for predicted blood loss) |

| Transfusion during admission(POD#1~30days) | ○ Yes  ○ No<br>EVTRA, 1=Yes 2=No | ☐ Whole blood<br>EVWB, 1=Whole blood | | units<br>EVWBU, (units) |
|---|---|---|---|---|
| | | ☐ RBCs<br>EVRBC, 1=RBCs | | units<br>EVRBCU, (units) |

| Angina<br>**EVANG** | ○ Yes  ○ No<br>1=Yes 2=No | | |
|---|---|---|---|
| CCS classification<br>**EVCCS** | ○ Asymptomatic  ○ CCS I  ○ CCS II<br>○ CCS III  ○ CCS IV<br>1=Asymptomatic 2=CCS class I 3=CCS class II 4=CCS class III 5=CCS class IV | | |
| ACS<br>**EVACS** | ○ Yes  ○ No<br>1=Yes 2=No | ACS type<br>**EVACSTY** | ○ UA  ○ NSTEM  ○ STEMI<br>1=UA(Unstable Angina, 불안정형협심증) 2=NSTEM(Non ST Elevation MI, 비ST분절상승 심근경색) 3=STEMI(ST Elevation MI, ST분절상승 심근경색) |

| MACE (수술 당일 (Operation day) – 30days) **EVMACE** | ○ Yes ○ No<br><br>EVMACE, 1=Yes 2=No | |
|---|---|---|

| MACE | ☐ Death<br>EVMACEDEA, 1=Death | ☐ MI<br>EVMACEMI, 1=MI | ☐ ST<br>EVMACEST, 1=ST | ☐ RR<br>EVMACERR, 1=RR | ☐ CVA<br>EVMACECVA, 1=CVA | ☐ Bleeding<br>EVMACEBL, 1=Bleeding |
|---|---|---|---|---|---|---|

▶ Other Concomitant

| Antiplatelet | 수술 후 1회 투여량(dose) | | 수술 후 1일 투약횟수 | |
|---|---|---|---|---|
| Aspirin(tablet) | | mg<br>CMEADOAD, NA=Not Applicable | | 회<br>CMEADYFRQ, NA=Not Applicable |

| Drug | Ongoing | 수술 후 투여시작일 |
|---|---|---|
| Wafarin | ○ Yes ○ No ○ Unknown<br>CMEWAON, 1=Yes 2=No 3=Unknown | <br>CMEWASTDTC, YYYY-MM-DD |
| NOAC | ○ Yes ○ No ○ Unknown<br>CMENOON, 1=Yes 2=No 3=Unknown | <br>CMENOSTDTC, YYYY-MM-DD |
| ACE Inhibitors/ARB | ○ Yes ○ No ○ Unknown<br>CMEACON, 1=Yes 2=No 3=Unknown | |
| Beta blocker | ○ Yes ○ No ○ Unknown<br>CMEBEON, 1=Yes 2=No 3=Unknown | |
| Calcium channel blocker | ○ Yes ○ No ○ Unknown<br>CMECAON, 1=Yes 2=No 3=Unknown | |
| Statin | ○ Yes ○ No ○ Unknown<br>CMESTON, 1=Yes 2=No 3=Unknown | |

▶ Comment

| Comment **EVCOM** | |
|---|---|
| | <br><br>text |

| 도메인명(eCRF 명) | Final Actual Treatment |
| --- | --- |

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
| --- | --- | --- | --- | --- | --- | --- | --- |

▶ Final Actual Treatment

**Random Code**

**EXRANCD**

Aspirin only, No antiplatelet

**Final Actual Treatment**

**EXACTTX**

○ Aspirin Only ○ No antiplatelet

1=Aspirin Only 2=No antiplatelet

**Changed reason**

**EXREAS**

○ Patient preference ○ Doctor preference

○ Others

1=Patient preference 2=Doctor preference 3 =Others

reason, other specify

**EXREASOTH**

text

▶ Comment

**Comment**

**EXCOM**

text

| 도메인명(eCRF 명) | Final Antiplatelet |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ 등록 당시

| Antiplatelet | Ongoing | 등록당시: Aspirin, No인 경우, 처방여부 |
|---|---|---|
| Aspirin | ○ Yes ○ No<br>CMDASON, 1=Yes 2=No | ○ Yes ○ No<br>CMDASPRE, 1=Yes 2=No |
| Clopidogrel | ○ Yes ○ No<br>CMDCLON, 1=Yes 2=No | |
| Ticagrelor | ○ Yes ○ No<br>CMDTION, 1=Yes 2=No | |
| Prasugrel | ○ Yes ○ No<br>CMDPRON, 1=Yes 2=No | |
| Cilostazol | ○ Yes ○ No<br>CMDCION, 1=Yes 2=No | |

▶ 수술 5일전~수술당일

| Antiplatelet | Ongoing | Medication stop date |
|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown<br>CMPASON, 1=Yes 2=No 3=Unknown | CMPASSPDTC, YYYY-MM-DD |
| Clopidogrel | ○ Yes ○ No ○ Unknown<br>CMPCLON, 1=Yes 2=No 3=Unknown | CMPCLSPDTC, YYYY-MM-DD |
| Ticagrelor | ○ Yes ○ No ○ Unknown<br>CMPTION, 1=Yes 2=No 3=Unknown | CMPTISPDTC, YYYY-MM-DD |
| Prasugrel | ○ Yes ○ No ○ Unknown<br>CMPPRON, 1=Yes 2=No 3=Unknown | CMPPRSPDTC, YYYY-MM-DD |
| Cilostazol | ○ Yes ○ No ○ Unknown<br>CMPCION, 1=Yes 2=No 3=Unknown | CMPCISPDTC, YYYY-MM-DD |

▶ 30days FU evaluation (POD#1~POD #30days)

| Antiplatelet | Ongoing | Medication restart date |
|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown<br>CMFASON, 1=Yes 2=No 3=Unknown | CMFASSTDTC, YYYY-MM-DD |
| Clopidogrel | ○ Yes ○ No ○ Unknown<br>CMFCLON, 1=Yes 2=No 3=Unknown | CMFCLSTDTC, YYYY-MM-DD |
| Ticagrelor | ○ Yes ○ No ○ Unknown<br>CMFTION, 1=Yes 2=No 3=Unknown | CMFTISTDTC, YYYY-MM-DD |
| Prasugrel | ○ Yes ○ No ○ Unknown<br>CMFPRON, 1=Yes 2=No 3=Unknown | CMFPRSTDTC, YYYY-MM-DD |
| Cilostazol | ○ Yes ○ No ○ Unknown<br>CMFCION, 1=Yes 2=No 3=Unknown | CMFCISTDTC, YYYY-MM-DD |

▶ Comment

| Comment<br>CMCOM | |
|---|---|
| | Text |

| 도메인명(eCRF 명) | Death |
| --- | --- |

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
| --- | --- | --- | --- | --- | --- | --- | --- |

▶ Death

Date of Death
**CEDDTC**

YYYY-MM-DD

Cause of Death
**CEDTY**

○ Cardiovascular death ○ Non-cardiovascular death ○ Unknown

1=Cardiovascular death 2=Non-cardiovascular death 3=Unknown

| | Cause of Death | |
| --- | --- | --- |
| Cardiovascular death | ☐ Acute myocardial infarction<br>CEDCAMI, 1=Acute myocardial infarction | |
| | ☐ Cardiogenic shock<br>CEDCSHOCK, 1=Cardiogenic shock | |
| | ☐ Fatal arrhythmia (VF or conduction block)<br>CEDCVF, 1=Fatal arrhythmia (VF or conduction block) | |
| | ☐ CVA/Stroke<br>CEDCCVA, 1=CVA/Stroke | |
| | ☐ Aortic dissection/rupture<br>CEDCAD, 1=Aortic dissection/rupture | |
| | ☐ Pulmonary embolism<br>CEDCPE, 1=Pulmonary embolism | |
| | ☐ Other vascular disease<br>CEDCOVD, 1=Other vascular disease | |
| | ☐ Procedure-related death<br>CEDCPRD, 1=Procedure-related death | |
| | ☐ Low-output failure (heart failure)<br>CEDCHF, 1=Low-output failure (heart failure) | |
| | ☐ Others<br>CEDCOTH, 1=Others | CEDCOTHDES, Others specify |

| | Cause of Death | |
|---|---|---|
| non-cardiovascular death | ☐ Malignancy<br>CEDNMAL, 1=Malignancy | |
| | ☐ Renal failure<br>CEDNRF, 1=Renal failure | |
| | ☐ Infection (sepsis)<br>CEDNINF, 1=Infection (sepsis) | |
| | ☐ Pulmonary causes or respiratory failure<br>CEDNPC, 1=Pulmonary causes or respiratory failure | |
| | ☐ Trauma<br>CEDNTRA, 1=Trauma | |
| | ☐ Suicide/homicide<br>CEDNSUI, 1=Suicide/homicide | |
| | ☐ Accident<br>CEDNACC, 1=Accident | |
| | ☐ Unobserved<br>CEDNUNO, 1=Unobserved | |

| | Cause of Death | |
|---|---|---|
| | ☐ Others<br>CEDNOTH, 1=Others | CEDNOTHDES, Others specify |

▶ Antiplatelet therapy status at the time of Death

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown ○ NU<br>CEDASON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CEDASSPDTC, YYYY-MM-DD | CEDASSPREA, stop reason |
| Clopidogrel | ○ Yes ○ No ○ Unknown ○ NU<br>CEDCLON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CEDCLSPDTC, YYYY-MM-DD | CEDCLSPREA, stop Reason |
| Ticagrelor | ○ Yes ○ No ○ Unknown ○ NU<br>CEDTION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CEDTISPDTC, YYYY-MM-DD | CEDTISPREA, stop Reason |
| Prasugrel | ○ Yes ○ No ○ Unknown ○ NU<br>CEDPRON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CEDPRSPDTC, YYYY-MM-DD | CEDPRSPREA, stop Reason |
| Cilostazol | ○ Yes ○ No ○ Unknown ○ NU<br>CEDCION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CEDCISPDTC, YYYY-MM-DD | CEDCISPREA, stop Reason |

## ▶ Comment

**Comment**

**CEDCOM**

text

**Adjudication**

○ Yes  ○ No

**CEDADJ**

1=Yes 2=No

**Adjudication Date**

**CEDADJDTC**

YYYY-MM-DD

**Adjudication Result**

○ Event  ○ Not Event

**CEDADJRES**

1=Event 2=Not Event

**Adjudication Comment**

**CEDADJCOM**

text

**Sign by**

**CEDSIGN**

text

**Sign date**

**CEDSIGNDTC**

YYYY-MM-DD

| 도메인명(eCRF 명) | MI |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

**▶ Myocardial Infarction**

| | |
|---|---|
| **Date of MI**<br>**CEMDTC** | [ _____ ]<br>YYYY-MM-DD |
| **Type of MI**<br>**CEMTY** | ○ Q wave MI  ○ Non-Q wave MI<br>1=Q wave MI 2=Non-Q wave MI |
| **Angina symptom**<br>**CEMANG** | ○ Yes  ○ No<br>1=Yes 2=No |
| **Location of infarction**<br>**CEMINFLOC** | ○ Anterior  ○ Anterolateral  ○ Inferior  ○ Posterior  ○ Undetermined<br>1=Anterior 2=Anterolateral 3=Inferior 4=Posterior 5=Undetermined |
| **Any diagnostic ECG finding?**<br>**CEMECG** | ○ Yes  ○ No<br>1=Yes 2=No |

| ECG | ☐ New pathologic Q waves<br>CEMQWAV, 1=New pathologic Q waves | ☐ New ST elevation<br>CEMSTEL, 1=New ST elevation | ☐ LBBB<br>CEMLBBB, 1=LBBB |
|---|---|---|---|
| | ☐ New ST depression<br>CEMSTDE, 1=New ST depression | ☐ New T wave inversion<br>CEMTWAV, 1=New T wave inversion | |
| | ☐ Others<br>CEMOTH, 1=Others | [ _____ ]<br>text | |

**▶ Cardiac Biomarker measurement**

| | Pre-OP Date | Pre-OP Value | At the time of MI Date | At the time of MI Value | Peak Date | Peak Value |
|---|---|---|---|---|---|---|
| **CK** | CEMCKBDTC, YYYY-MM-DD | IU/L<br>CEMCKBV, ND=Not Done | CEMCKTDTC, YYYY-MM-DD | IU/L<br>CEMCKTV, ND=Not Done | CEMCKPDTC, YYYY-MM-DD | IU/L<br>CEMCKPV, ND=Not Done |
| **CK-MB** | CEMCMBDTC, YYYY-MM-DD | ng/mL<br>CEMCMBV, ND=Not Done | CEMCMTDTC, YYYY-MM-DD | ng/mL<br>CEMCMTV, ND=Not Done | CEMCMPDTC, YYYY-MM-DD | ng/mL<br>CEMCMPV, ND=Not Done |
| **Troponin I** | CEMTIBDTC, YYYY-MM-DD | ng/mL<br>CEMTIBV, ND=Not Done | CEMTITDTC, YYYY-MM-DD | ng/mL<br>CEMTITV, ND=Not Done | CEMTIPDTC, YYYY-MM-DD | ng/mL<br>CEMTIPV, ND=Not Done |
| **Troponin T** | CEMTTBDTC, YYYY-MM-DD | ng/mL<br>CEMTTBV, ND=Not Done | CEMTTTDTC, YYYY-MM-DD | ng/mL<br>CEMTTTV, ND=Not Done | CEMTTPDTC, YYYY-MM-DD | ng/mL<br>CEMTTPV, ND=Not Done |

| Angiography done related to this event CEMANGREL | ○ Yes ○ No  CEMANGREL, 1=Yes 2=No | Total Occlusion CEMTOTOCC | ○ Yes ○ No  CEMTOTOCC, 1=Yes 2=No |
|---|---|---|---|
| | | Visible Thrombus CEMVISTHR | ○ Yes ○ No  CEMVISTHR, 1=Yes 2=No |

| Related to target vessel CEMTARVES | ○ Yes ○ No ○ Unknown  CEMTARVES, 1=Yes 2=No 3=Unknown | |
|---|---|---|
| Related to stent thrombosis CEMSTETHR | ○ Yes ○ No ○ Unknown  CEMSTETHR, 1=Yes 2=No 3=Unknown | |
| Treatment related to this event CEMTXREL | ○ Medication ○ Thrombolysis ○ PCI  ○ CABG  CEMTXREL, 1=Medication 2=Thrombolysis 3= PCI(Percutaneous Coronary Intervention) 4=C ABG(Cronary Artery Bypass Graft) | |
| Event Outcome CEMEVTOUT | ○ Fatal ○ Non-fatal  CEMEVTOUT, 1=Fatal 2=Non-fatal | |

▶ Antiplatelet therapy status at the time of MI

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown ○ NU  CEMASON, 1=Yes 2=No 3=Unknown 4=NU  (Not Used) | CEMASSPDTC, YYYY-MM-DD | CEMASSPREA, text |
| Clopidogrel | ○ Yes ○ No ○ Unknown ○ NU  CEMCLON, 1=Yes 2=No 3=Unknown 4=NU  (Not Used) | CEMCLSPDTC, YYYY-MM-DD | CEMCLSPREA, text |
| Ticagrelor | ○ Yes ○ No ○ Unknown ○ NU  CEMTION, 1=Yes 2=No 3=Unknown 4=NU  (Not Used) | CEMTISPDTC, YYYY-MM-DD | CEMTISPREA, text |
| Prasugrel | ○ Yes ○ No ○ Unknown ○ NU  CEMPRON, 1=Yes 2=No 3=Unknown 4=NU  (Not Used) | CEMPRSPDTC, YYYY-MM-DD | CEMPRSPREA, text |
| Cilostazol | ○ Yes ○ No ○ Unknown ○ NU  CEMCION, 1=Yes 2=No 3=Unknown 4=NU  (Not Used) | CEMCISPDTC, YYYY-MM-DD | CEMCISPREA, text |

**▶ Comment**

| | |
|---|---|
| **Comment** <br><br> **CEMCOM** | *(text area)* <br><br> text |

**▶ Adjudication**

| | |
|---|---|
| **Adjudication** <br><br> **CEMADJ** | ○ Yes  ○ No <br><br> 1=Yes 2=No |
| **Adjudication Date** <br><br> **CEMADJDTC** | *(input)* <br><br> YYYY-MM-DD |
| **Adjudication Result** <br><br> **CEMADJRES** | ○ Event  ○ Not Event <br><br> 1=Event 2=Not Event |

| | |
|---|---|
| **Adjudication Comment** <br><br> **CEMADJCOM** | *(text area)* <br><br> text |
| **Sign by** <br><br> **CEMSIGN** | *(input)* <br><br> text |
| **Sign Date** <br><br> **CEMSIGNDTC** | *(input)* <br><br> YYYY-MM-DD |

| 도메인명(eCRF 명) | RR |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

**▶ Repeat Revascularization**

**Date of Repeat revascularization**

**CERDTC**

YYYY-MM-DD

**Routine angiographic FU**

**CERROUANG**

○ Done  ○ Not Done

1=Done 2=Not Done

**Angina symptom**

**CERANG**

○ Yes  ○ No

1=Yes 2=No

**Clinical presentation**

**CERCLPR**

○ Silent ischemia  ○ Stable angina  ○ Unstable angina  ○ STEMI  ○ NSTEMI

1=Silent ischemia(무증상 협심증) 2=Stable angina(안정형협심증) 3=Unstable angina(불안정형 협심증) 4=STEMI(ST Elevation MI, ST분절상승 심근경색) 5=NSTEMI(Non ST Elevation MI, 비ST 분절상승 심근경색)

**Total number of repeat revascularization lesions**

**CERTOTNUM**

[____] ea

(ea)

**▶ Lesoin1**

**Lesion #1 Lesion segment-CASS No.**

**CERLSCN1**

∷ Lesion #1 Lesion segment-C ▾

1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery)

**Lesion #1 Diseased lesion location**

**CERDLL1**

Diseased lesion location

**Lesion #1 Treated lesion location**

**CERTLL1**

Treated lesion location

**Lesion #1 Angiographic result at this time**

**CERANGTM1**

○ < 50%  ○ 50% – 70%  ○ 71% – 99%

○ Total occlusion

1=< 50% 2=50% – 70% 3=71% ~ 99% 4=Total occlusion

| | | | |
|---|---|---|---|
| **Lesion #1 Stent thrombosis-related**<br><br>**CERSTR1** | ○ Yes ○ No<br><br>1=Yes 2=No | | |
| **Lesion #1 Type of treatment**<br><br>**CERTX1** | ○ PCI ○ CABG<br><br>1=PCI(Percutaneous Coronary Intervention) 2=CABG(Cronary Artery Bypass Graft) | **Lesion #1 PCI type**<br><br>**CERTXPCI1** | ○ BMS ○ DES ○ POBA ○ DEB<br>○ Other<br>1=BMS(Bare Metal Stent) 2=DES(Drug Eluting Stent) 3=POBA(Plain Old Balloon Angioplasty) 4=DEB(Drug Eluting Balloon) 5=Other |
| | | **Lesion #1 PCI, other specify**<br><br>**CERTXPCIO1** | [          ]<br>text |
| **Lesion #1 Treated vessel revascularization**<br><br>**CERTVR1** | ○ Yes ○ No<br><br>1=Yes 2=No | | |
| **Lesion #1 Treated lesion revascularization**<br><br>**CERTLR1** | ○ Yes ○ No<br><br>1=Yes 2=No | **Lesion #1 Treated lesion revascularization Type**<br><br>**CERTLRTY1** | ○ Restenosis ○ Stent thrombosis<br>○ Other<br>1=Restenosis 2=Stent thrombosis 3=Other |
| | | **Lesion #1 Treated lesion revascularization Other specify**<br><br>**CERTLRTYO1** | [          ]<br>text |
| **Lesion #1 New lesion revascularization**<br><br>**CERNLR1** | ○ Yes ○ No<br><br>1=Yes 2=No | | |
| **Lesion #1 Staged procedure with ≥ 50% stenosis at the index procedure**<br><br>**CERSP1** | ○ Yes ○ No<br><br>1=Yes 2=No | | |

▶ Lesion2

| | | | |
|---|---|---|---|
| **Lesion #2 Lesion segment-CASS No.**<br><br>**CERLSCN2** | :: Lesion #2 Lesion segment-C ✔<br>1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | **Lesion #2 Diseased lesion location**<br><br>**CERDLL2** | [          ]<br>Diseased lesion location |

| | | | |
|---|---|---|---|
| | | **Lesion #2 Treated lesion location** <br> **CERTLL2** | Treated lesion location |
| | | **Lesion #2 Angiographic result at this time** <br> **CERANGTM2** | ○ < 50%  ○ 50% – 70%  ○ 71% – 99% <br> ○ Total occlusion <br> 1=< 50% 2=50% – 70% 3=71% – 99% 4=Total occlusion |
| **Lesion #2 Stent thrombosis-related** <br> **CERSTR2** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| **Lesion #2 Type of treatment** <br> **CERTX2** | ○ PCI  ○ CABG <br> 1=PCI(Percutaneous Coronary Intervention) 2=CABG(Cronary Artery Bypass Graft) | **Lesion #2 PCI type** <br> **CERTXPCI2** | ○ BMS  ○ DES  ○ POBA  ○ DEB <br> ○ Other <br> 1=BMS(Bare Metal Stent) 2=DES(Drug Eluting Stent) 3=POBA(Plain Old Balloon Angioplasty) 4=DEB(Drug Eluting Balloon) 5=Other |

| | | | |
|---|---|---|---|
| | | **Lesion #2 PCI, other specify** <br> **CERTXPCIO2** | text |
| **Lesion #2 Treated vessel revascularization** <br> **CERTVR2** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| **Lesion #2 Treated lesion revascularization** <br> **CERTLR2** | ○ Yes  ○ No <br> 1=Yes 2=No | **Lesion #2 Treated lesion revascularization Type** <br> **CERTLRTY2** | ○ Restenosis  ○ Stent thrombosis <br> ○ Other <br> 1=Restenosis 2=Stent thrombosis 3=Other |
| | | **Lesion #2 Treated lesion revascularization Other specify** <br> **CERTLRTYO2** | text |
| **Lesion #2 New lesion revascularization** <br> **CERNLR2** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| **Lesion #2 Staged procedure with ≥ 50% stenosis at the index procedure** <br> 1=Yes 2=No | ○ Yes  ○ No <br> 1=Yes 2=No | | |

▶ Lesion3

| Lesion #3 Lesion segment-CASS No. **CERLSCN3** | :: Lesion #3 Lesion segment-C ⌄<br><br>1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | Lesion #3 Diseased lesion location **CERDLL3** | Diseased lesion location |

| | | Lesion #3 Treated lesion location **CERTLL3** | Treated lesion location |
| --- | --- | --- | --- |
| | | Lesion #3 Angiographic result at this time **CERANGTM3** | ○ < 50%  ○ 50% – 70%  ○ 71% – 99%<br>○ Total occlusion<br>1=< 50% 2=50% – 70% 3=71% – 99% 4=Total occlusion |
| Lesion #3 Stent thrombosis-related **CERSTR3** | ○ Yes  ○ No<br>1=Yes 2=No | | |
| Lesion #3 Type of treatment **CERTX3** | ○ PCI  ○ CABG<br>1=PCI(Percutaneous Coronary Intervention) 2=CABG(Cronary Artery Bypass Graft) | Lesion #3 PCI type **CERTXPCI3** | ○ BMS  ○ DES  ○ POBA  ○ DEB<br>○ Other<br>1=BMS(Bare Metal Stent) 2=DES(Drug Eluting Stent) 3=POBA(Plain Old Balloon Angioplasty) 4=DEB(Drug Eluting Balloon) 5=Other |
| | | Lesion #3 PCI, other specify **CERTXPCIO3** | text |

| | | | |
|---|---|---|---|
| **Lesion #3 Treated vessel revascularization**<br><br>**CERTVR3** | ○ Yes ○ No<br><br>1=Yes 2=No | – – | |
| **Lesion #3 Treated lesion revascularization**<br><br>**CERTLR3** | ○ Yes ○ No<br><br>1=Yes 2=No | **Lesion #3 Treated lesion revascularization Type**<br><br>**CERTLRTY3** | ○ Restenosis ○ Stent thrombosis<br><br>○ Other<br><br>1=Restenosis 2=Stent thrombosis 3=Other |
| | | **Lesion #3 Treated lesion revascularization Other specify**<br><br>**CERTLRTYO3** | _____<br>text |
| **Lesion #3 New lesion revascularization**<br><br>**CERNLR3** | ○ Yes ○ No<br><br>1=Yes 2=No | | |
| **Lesion #3 Staged procedure with ≥ 50% stenosis at the index procedure**<br><br>**CERSP3** | ○ Yes ○ No<br><br>1=Yes 2=No | | |

▶ Lesion4

| | | | |
|---|---|---|---|
| **Lesion #4 Lesion segment-CASS No.**<br><br>**CERLSCN4** | ∷ Lesion #4 Lesion segment-C ▼<br><br>1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | **Lesion #4 Diseased lesion location**<br><br>**CERDLL4** | _____<br>Diseased lesion location |

| | | | |
|---|---|---|---|
| | | Lesion #4 Treated lesion location **CERTLL4** | [                    ] Treated lesion location |
| | | Lesion #4 Angiographic result at this time **CERANGTM4** | ○ < 50%  ○ 50% ~ 70%  ○ 71% ~ 99% <br> ○ Total occlusion <br> 1=< 50% 2=50% ~ 70% 3=71% ~ 99% 4=Total occlusion |
| Lesion #4 Stent thrombosis-related **CERSTR4** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| Lesion #4 Type of treatment **CERTX4** | ○ PCI  ○ CABG <br> 1=PCI(Percutaneous Coronary Intervention) 2=CABG(Cronary Artery Bypass Graft) | Lesion #4 PCI type **CERTXPCI4** | ○ BMS  ○ DES  ○ POBA  ○ DEB <br> ○ Other <br> 1=BMS(Bare Metal Stent) 2=DES(Drug Eluting Stent) 3=POBA(Plain Old Balloon Angioplasty) 4=DEB(Drug Eluting Balloon) 5=Other |


| | | | |
|---|---|---|---|
| | | Lesion #4 PCI, other specify **CERTXPCIO4** | [                    ] text |
| Lesion #4 Treated vessel revascularization **CERTVR4** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| Lesion #4 Treated lesion revascularization **CERTLR4** | ○ Yes  ○ No <br> 1=Yes 2=No | Lesion #4 Treated lesion revascularization Type **CERTLRTY4** | ○ Restenosis  ○ Stent thrombosis <br> ○ Other <br> 1=Restenosis 2=Stent thrombosis 3=Other |
| | | Lesion #4 Treated lesion revascularization Other specify **CERTLRTYO4** | [                    ] text |
| Lesion #4 New lesion revascularization **CERNLR4** | ○ Yes  ○ No <br> 1=Yes 2=No | | |
| Lesion #4 Staged procedure with ≥ 50% stenosis at the index procedure **CERSP4** | ○ Yes  ○ No <br> 1=Yes 2=No | | |

## Lesion5

| Lesion #5 Lesion segment-CASS No.<br><br>**CERLSCN5** | :: Lesion #5 Lesion segment-C ▾<br><br>1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral (PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) | Lesion #5 Diseased lesion location<br><br>**CERDLL5** | Diseased lesion location |
| --- | --- | --- | --- |

| | | Lesion #5 Treated lesion location<br><br>**CERTLL5** | Treated lesion location |
| --- | --- | --- | --- |
| | | Lesion #5 Angiographic result at this time<br><br>**CERANGTM5** | ○ < 50%  ○ 50% – 70%  ○ 71% – 99%<br>○ Total occlusion<br><br>1=< 50% 2=50% – 70% 3=71% – 99% 4=Total occlusion |
| Lesion #5 Stent thrombosis-related<br><br>**CERSTR5** | ○ Yes  ○ No<br><br>1=Yes 2=No | | |
| Lesion #5 Type of treatment<br><br>**CERTX5** | ○ PCI  ○ CABG<br><br>1=PCI(Percutaneous Coronary Intervention) 2=CABG(Cronary Artery Bypass Graft) | Lesion #5 PCI type<br><br>**CERTXPCI5** | ○ BMS  ○ DES  ○ POBA  ○ DEB<br>○ Other<br><br>1=BMS(Bare Metal Stent) 2=DES(Drug Eluting Stent) 3=POBA(Plain Old Balloon Angioplasty) 4=DEB(Drug Eluting Balloon) 5=Other |
| | | Lesion #5 PCI, other specify<br><br>**CERTXPCIO5** | text |

| | | |
|---|---|---|
| Lesion #5 New lesion revascularization<br><br>**1=Yes 2=No** | ○ Yes  ○ No<br><br>1=Yes 2=No | |
| Lesion #5 Staged procedure with ≥ 50% stenosis at the index procedure<br><br>**CERSP5** | ○ Yes  ○ No<br><br>1=Yes 2=No | |

| | | |
|---|---|---|
| Event Outcome<br><br>**CEREVTOUT** | ○ Fatal  ○ Non-fatal<br><br>1=Fatal 2=Non-fatal | |

▶ Antiplatelet therapy status at the time of RR

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Aspirin | ○ Yes  ○ No  ○ Unknown  ○ NU<br><br>CERASON, 1=Yes 2=No 3=Unknown 4=NU<br><br>(Not Used) | CERASSPDTC, YYYY-MM-DD | CERASSPREA, text |

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Clopidogrel | ○ Yes  ○ No  ○ Unknown  ○ NU<br><br>CERCLON, 1=Yes 2=No 3=Unknown 4=NU<br><br>(Not Used) | CERCLSPDTC, YYYY-MM-DD | CERCLSPREA, text |
| Ticagrelor | ○ Yes  ○ No  ○ Unknown  ○ NU<br><br>CERCLSPREA, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CERTISPDTC, YYYY-MM-DD | CERTISPREA, text |
| Prasugrel | ○ Yes  ○ No  ○ Unknown  ○ NU<br><br>CERPRON, 1=Yes 2=No 3=Unknown 4=NU<br><br>(Not Used) | CERPRSPDTC, YYYY-MM-DD | CERPRSPREA, text |
| Cilostazol | ○ Yes  ○ No  ○ Unknown  ○ NU<br><br>CERCION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CERCISPDTC, YYYY-MM-DD | CERCISPREA, text |

▶ Comment

| | | |
|---|---|---|
| Comment<br><br>**CERCOM** | | text |

## ▶ Adjudication

| | |
|---|---|
| **Adjudication** <br> **1=Yes 2=No** | ○ Yes ○ No <br> 1=Yes 2=No |
| **Adjudication Date** <br> **CERADJDTC** | [____] <br> YYYY-MM-DD |
| **Adjudication Result** <br> **CERADJRES** | ○ Event ○ Not Event <br> 1=Event 2=Not Event |
| **Type of RR : Clinical driven** <br> **CERADJCLD** | ☐ Clinical driven <br> 1=Clinical driven |
| **Type of RR : Ischemic driven** <br> **CERADJISD** | ☐ Ischemic driven <br> 1=Ischemic driven |
| **Adjudication Comment** <br> **CERADJCOM** | [_____] <br> text |
| **Sign by** <br> **CERSIGN** | [_____] <br> text |
| **Sign Date** <br> **CERSIGNDTC** | [_____] <br> YYYY-MM-DD |

| 도메인명(eCRF 명) | ST |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ Stent Thrombosis

**Date of Stent thrombosis**

**CESDTC**

YYYY-MM-DD

**ARC**

**Academic Research Consort**

**ium Criteria**

○ Definite/Confirmed ○ Probable

○ Possible

1=Definite/Confirmed 2=Probable 3=Possible

**Clinical Presentation of ST**

**CESCLPR**

○ Sudden Death ○ STEMI ○ NSTEMI

○ Stable/Unstable angina ○ Other

1=Sudden Death 2=STEMI(ST Elevation MI, S

T분절상승 심근경색) 3=NSTEMI(Non ST Eleva

tion MI, 비ST분절상승 심근경색) 4=Stable/Un

stable angina(안정형협심증/불안정형협심증)

5=Other

**Clinical Presentation, other specify**

**CESCLPROTH**

text

**Angiography confirmed**

**CESAC**

○ Yes ○ No

1=Yes 2=No

| 도메인명(eCRF 명) | ST |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

| 1. CASS No. | CASS #1 Lesion segment-CASS No.<br><br>**CESLSCN1** | :: CASS #1 Lesion segment-CASS No. 선택 :: ▼<br><br>1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |
| | CASS #1 Diseased lesion location<br><br>**CESDLL1** | 1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |

| | | | |
|---|---|---|---|
| | **CASS #1 Treated lesion location**<br><br>**CESTLL1** | | 1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |
| **2. CASS No.** | **CASS #2 Lesion segment-CASS No.**<br><br>**CESLSCN2** | ::: CASS #2 Lesion segment-CASS No. 선택 ::: ∨ | 1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |
| | **CASS #2 Diseased lesion location**<br><br>**CESDLL2** | | 1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |
| | **CASS #2 Treated lesion location**<br><br>**CESTLL2** | | 1=Proximal RCA(Rt Coronary Aretery) 2=Mid RCA(Rt Coronary Aretery) 3=Distal RCA(Rt Coronary Aretery) 4=Right PDA 5=Posterolateral(PL) 6=1st right PL 7=2nd right PL 8=3rd right PL 9=Right septal branc 10=Right ventricular 11=Left main 12=Proximal LAD(Left Anterior Desecending artery) 13=Mid LAD(Left Anterior Desecending artery) 14=Distal LAD(Left Anterior Desecending artery) 15=1st diagonal 16=2nd diagonal 17=1st septal 18=Proximal LCX(left CircumfleX artery) 19=Distal LCX(left CircumfleX artery) |

| Type of the Treatment related to this event | ○ Medication ○ Thrombolysis ○ PCI ○ CABG |
|---|---|
| **CESTXTYP** | 1=Medication 2=Thrombolysis 3=PCI(Percutaneous Coronary Intervention) 4=CABG(Cronary Artery Bypass Graft) |

| Event Outcome | ○ Fatal ○ Non-fatal |
|---|---|
| **CESEVTOUT** | 1=Fatal 2=Non-fatal |

▶ Antiplatelet therapy status at the time of ST

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown ○ NU<br>CESASON, 1=Yes 2=No 3=Unknown 4=NU (Not Used) | CESASSPDTC, YYYY-MM-DD | text |
| Clopidogrel | ○ Yes ○ No ○ Unknown ○ NU<br>CESCLON, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CESCLSPDTC, YYYY-MM-DD | text |
| Ticagrelor | ○ Yes ○ No ○ Unknown ○ NU<br>CESTION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CESTISPDTC, YYYY-MM-DD | text |
| Prasugrel | ○ Yes ○ No ○ Unknown ○ NU<br>CESPRON, 1=Yes 2=No 3=Unknown 4=NU (Not Used) | CESPRSPDTC, YYYY-MM-DD | text |
| Cilostazol | ○ Yes ○ No ○ Unknown ○ NU<br>CESCION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CESCISPDTC, YYYY-MM-DD | text |

▶ Comment

| Comment | |
|---|---|
| **CESCOM** | |

## ▶ Adjudication

| | |
|---|---|
| **Adjudication** | ○ Yes ○ No |
| **CESADJ** | 1=Yes 2=No |
| **Adjudication Date** | |
| **CESADJDTC** | YYYY-MM-DD |
| **Adjudication Result** | ○ Event ○ Not Event |
| **CESADJRES** | 1=Event 2=Not Event |
| **Adjudication Comment** | |
| **CESADJCOM** | text |
| **Sign by** | |
| **CESSIGN** | text |
| **Sign date** | |
| **CESSIGNDTC** | YYYY-MM-DD |

| 도메인명(eCRF 명) | CVA |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ Cerebral Vascular Accident

**Date of CVA**

**CECDTC**
YYYY-MM-DD

**Type of CVA**

**CECTY**
○ Stroke ○ TIA
1=Stroke 2=TIA(Transient Ischemic Attack)

**Type of stroke**

**CECSTRTY**
○ Ischemic ○ Hemorrhagic ○ Mixed
○ Unknown
1=Ischemic 2=Hemorrhagic 3=Mixed 4=Unknown

**Confirmed by Neurologist**

**CECNEU**
○ Yes ○ No
1=Yes 2=No

**Stroke verified by imaging study**

**CECIMG**
○ Yes ○ No
1=Yes 2=No

**imaging**
☐ CT
CECCT, 1=CT

☐ MRI
CECMRI, 1=MRI

☐ Angiography
CECANG, 1=Angiography

☐ Others
CECOTH, 1=Others

text

**Treatment related to this event**
☐ None
CECTXNON, 1=None

☐ Medical except thrombolysis
CECTXMET, 1=Medical except thrombolysis

☐ Thrombolysis
CECTXTHR, 1=Thrombolysis

☐ Percutaneous intervention
CECTXPI, 1=Percutaneous intervention

☐ Surgery
CECTXSUR, 1=Surgery

**Sequelae after this event**

**CECSEQ**
○ Asymptomatic ○ Mild ○ Moderate ○ Severe ○ Death
1=Asymptomatic 2=Mild 3=Moderate 4=Severe 5=Death

**Event outcome**

**CECEVTOUT**
○ Fatal ○ Non-fatal
1=Fatal 2=Non-fatal

**▶ Antiplatelet therapy status at the time of CVA**

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Aspirin | ○ Yes ○ No ○ Unknown ○ NU<br>CECASON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CECASSPDTC, YYYY-MM-DD | text |
| Clopidogrel | ○ Yes ○ No ○ Unknown ○ NU<br>CECCLON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CECCLSPDTC, YYYY-MM-DD | text |
| Ticagrelor | ○ Yes ○ No ○ Unknown ○ NU<br>CECTION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CECTISPDTC, YYYY-MM-DD | text |
| Prasugrel | ○ Yes ○ No ○ Unknown ○ NU<br>CECPRON, 1=Yes 2=No 3=Unknown 4=NU<br>(Not Used) | CECPRSPDTC, YYYY-MM-DD | text |

| Drug | Ongoing | stop date | stop Reason |
|---|---|---|---|
| Cilostazol | ○ Yes ○ No ○ Unknown ○ NU<br>CECCION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CECCISPDTC, YYYY-MM-DD | text |

**▶ Comment**

| Comment<br>CECCOM | text |
|---|---|

**▶ Adjudication**

| Adjudication<br>CECADJ | ○ Yes ○ No<br>1=Yes 2=No |
|---|---|
| Adjudication Date<br>CECADJDTC | YYYY-MM-DD |
| Adjudication Result<br>CECADJRES | ○ Event ○ Not Event<br>1=Event 2=Not Event |
| Adjudication Comment | text |
| Sign by<br>CECSIGN | text |
| Sign Date<br>CECSIGNDTC | YYYY-MM-DD |

| 도메인명(eCRF 명) | Bleeding |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ Bleeding

**Date of Bleeding**

**CEBDTC**

YYYY-MM-DD

**Bleeding Time**

**CEBTM**

○ 5 days before op  ○ post op – discharge  ○ After discharge – POD #30days

1=5 days before op 2=post op – discharge 3=After discharge – POD #30days(POD:Post Operative Day)

|  | Baseline | | At the Bleeding | | Discharge or post transfusion | |
|---|---|---|---|---|---|---|
| **Hb** | | g/dL | | g/dL | | g/dL |
|  | CEBHBBA, ND=Not Done | | CEBHBAT, ND=Not Done | | CEBHBDI, ND=Not Done | |
| **Hct** | | % | | % | | % |
|  | CEBHCTBA, ND=Not Done | | CEBHCTAT, ND=Not Done | | CEBHCTDI, ND=Not Done | |

| Were any of the following blood products transfused? | ○ Yes  ○ No  CEBTRA, YYYY-MM-DD | |
|---|---|---|
| Date of transfusion | CEBTRADTC, YYYY-MM-DD | |
|  | ☐ Whole blood  CEBTRAWB, 1=Whole blood | CEBTRAWBU, text — units |
|  | ☐ RBCs  CEBTRARBC, 1=RBCs | CEBTRARBCU, text — units |
|  | ☐ Platelets  CEBTRAPLT, 1=Platelets | CEBTRAPLTU, text — units |
|  | ☐ FFP  CEBTRAFFP, 1=FFP | CEBTRAFFPU, text — units |
|  | ☐ Others  CEBTRAO, 1=Others | |
|  | CEBTRAONAM, text | CEBTRAOU, text — units |

## ▶ Source of bleeding

| | | |
|---|---|---|
| ☐ Intracranial | ☐ Intraocular | ☐ Retroperitoneal |
| CEBINTCRA, 1=Intracranial | CEBINTOCU, 1=Intraocular | CEBRET, 1=Retroperitoneal |
| ☐ Pericardial hemorrhage | ☐ Hemoptysis | ☐ Intraspinal |
| CEBPH, 1=Pericardial hemorrhage | CEBHEMO, 1=Hemoptysis | CEBINTSPI, 1=Intraspinal |
| ☐ Intraarticular | ☐ Epistaxis | ☐ Gingival bleeding |
| CEBINTART, 1=Intraarticular | CEBEPI, 1=Epistaxis | CEBGIN, 1=Gingival bleeding |
| ☐ GI bleeding | ☐ GU bleeding | ☐ Pharyngeal or other oral |
| CEBGI, 1=GI bleeding | CEBGU, 1=GU bleeding | CEBPHA, 1=Pharyngeal or other oral |
| ☐ Pulmonary bleeding | ☐ Hematoma ≥ 5cm at access site | ☐ Oozing at puncture site |
| CEBPUL, 1=Pulmonary bleeding | CEBHEMA, 1=Hematoma ≥ 5cm at access site | CEBOOZ, 1=Oozing at puncture site |
| ☐ Subcutaneous/dermal | ☐ Access site bleeding requiring intervention/surgery | ☐ Unknown |
| CEBDER, 1=Subcutaneous/dermal | CEBAS, 1=Access site bleeding requiring intervention/surgery | CEBUK, 1=Unknown |

| | | |
|---|---|---|
| ☐ Others | [          ] | |
| CEBOTH, 1=Others | CEBOTHDESC, text | |

## ▶ TIMI

**TIMI**

○ Major ○ Minor ○ Minimal

CEBTYTIMI, 1=Major 2=Minor 3=Minimal

**If Major**

☐ Fatal

CEBTYFAT, 1=Fatal

☐ Hypotension requiring treatment with intravenous inotropic agents

CEBTYHYPO, 1=Hypotension requiring treatment with intravenous inotropic agents

☐ Requires surgical intervention for ongoing bleeding

CEBTYREQ, 1=Requires surgical intervention for ongoing bleeding

☐ Symptomatic intracranial hemorrhagic(ICH)

CEBTYICH, 1=Symptomatic intracranial hemorrhagic(ICH)

☐ A decline in the hemoglobin level of at least 5.0g/dL or a fall in hematocrit of >15%

CEBTYDEC, 1=A decline in the hemoglobin level of at least 5.0g/dL or a fall in hematocrit of >15%

☐ Transfusion of at least 4units of whole blood or RBC

CEBTYRBC, 1=Transfusion of at least 4units of whole blood or RBC

## ▶ BARC

**BARC**

○ Type 0 ○ Type 1 ○ Type 2 ○ Type 3 ○ Type 4 ○ Type 5

CEBTYBARC, 1=Type 0 2=Type 1 3=Type 2 4=Type 3 5=Type 4 6=Type 5

**if Type 3**

○ Type 3a ○ Type 3b ○ Type 3c

CEBTYBARC3, 1=Type 3a 2=Type 3b 3=Type 3c

**if Type 3a**

☐ Overt bleeding plus hemoglobin drop of 3 to < 5 g/dL

CEBTY3AOVE, 1=Overt bleeding plus hemoglobin drop of 3 to < 5 g/dL

☐ Any transfusion with overt bleeding

CEBTY3AANY, 1=Any transfusion with overt bleeding

| if Type 3b | ☐ Overt bleeding plus hemoglobin drop ≥ 5g/dL |
| --- | --- |
| | CEBTY3BOVE, 1=Overt bleeding plus hemoglobin drop ≥ 5g/dL |
| | ☐ Cardiac tamponade |
| | CEBTY3BCAR, 1=Cardiac tamponade |
| | ☐ Bleeding requiring surgical intervention for control (excluding dental/nasal/skin/hemorrhoid) |
| | CEBTY3BCON, 1=Bleeding requiring surgical intervention for control (excluding dental/nasal/skin/hemorrhoid) |
| | ☐ Bleeding requiring intravenous vasoactive agents |
| | CEBTY3BAGE, 1=Bleeding requiring intravenous vasoactive agents |
| if Type 3c | ☐ Intracranial hemorrhage (does not include microbleeds or hemorrhagic transformation, does include intraspinal) |
| | CEBTY3CIH, 1=Intracranial hemorrhage (does not include microbleeds or hemorrhagic transformation, does include intraspinal) |
| | ☐ Subcategories confirmed by autopsy or imaging or lumbar puncture |
| | CEBTY3CSC, 1=Subcategories confirmed by autopsy or imaging or lumbar puncture |
| | ☐ Intraocular bleed compromising vision |
| | CEBTY3CICV, 1=Intraocular bleed compromising vision |
| if Type 4 | ☐ Perioperative intracranial bleeding within 48hr |
| | CEBTY4PI, 1=Perioperative intracranial bleeding within 48hr |
| | ☐ Reoperation after closure of sternotomy for the purpose of controlling bleeding |
| | CEBTY4REOP, 1=Reoperation after closure of sternotomy for the purpose of controlling bleeding |
| | ☐ Transfusion of ≥ 5 U whole blood or packed red blood cells within a 48-h period |
| | CEBTY4TRA, 1=Transfusion of ≥ 5 U whole blood or packed red blood cells within a 48-h period |
| | ☐ Chest tube output ≥ 2L within a 24-h period |
| | CEBTY4CHE, 1=Chest tube output ≥ 2L within a 24-h period |
| if Type 5 | ☐ Type 5a: Probable fatal bleeding; no autopsy or imaging confirmation but clinically suspicious |
| | CEBTY5A, 1=Type 5a: Probable fatal bleeding; no autopsy or imaging confirmation but clinically suspicious |
| | ☐ Type 5b: Definite fatal bleeding; overt bleeding or autopsy or imaging confirmation |
| | CEBTY5B, 1=Type 5b: Definite fatal bleeding; overt bleeding or autopsy or imaging confirmation |
| **Event outcome** **CEBEVTOUT** | ○ Fatal  ○ Non-fatal  CEBEVTOUT, 1=Fatal 2=Non-fatal |

▶ Antiplatelet therapy status at the time of Bleeding

| Drug | Ongoing | stop date | stop Reason |
| --- | --- | --- | --- |
| Aspirin | ○ Yes ○ No ○ Unknown ○ NU  CEBASON, 1=Yes 2=No 3=Unknown 4=NU (Not Used) | CEBASSPDTC, YYYY-MM-DD | CEBASSPREA, text |
| Clopidogrel | ○ Yes ○ No ○ Unknown ○ NU  CEBCLON, 1=Yes 2=No 3=Unknown 4=NU (Not Used) | CEBCLSPDTC, YYYY-MM-DD | CEBCLSPREA, text |
| Ticagrelor | ○ Yes ○ No ○ Unknown ○ NU  CEBTION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CEBTISPDTC, YYYY-MM-DD | CEBTISPREA, text |
| Prasugrel | ○ Yes ○ No ○ Unknown ○ NU  CEBPRON, 1=Yes 2=No 3=Unknown 4=NU (Not Used) | CEBPRSPDTC, YYYY-MM-DD | CEBPRSPREA, text |
| Cilostazol | ○ Yes ○ No ○ Unknown ○ NU  CEBCION, 1=Yes 2=No 3=Unknown 4=NU(Not Used) | CEBCISPDTC, YYYY-MM-DD | CEBCISPREA, text |

## ▶ Comment

**Comment**

**CEBCOM**

text

## ▶ Adjudication

**Adjudication**

○ Yes  ○ No

**CEBADJ**

1=Yes 2=No

**Adjudication Date**

**CEBADJDTC**

YYYY-MM-DD

**Adjudication Result**

○ Event  ○ Not Event

**CEBADJRES**

1=Event 2=Not Event

**Adjudication Comment**

**CEBADJCOM**

text

---

**Sign by**

**CEBSIGN**

text

**Sign Date**

**CEBSIGNDTC**

YYYY-MM-DD

| 도메인명(eCRF 명) | EQ-5D |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

EQ-5D

**Not Done**

QSE5ND

☐ Not Done

1=Not Done

**설문 날짜**

QSE5DTC

YYYY-MM-DD

**이동력**

QSE5SVY1

○ 나는 걷는데 전혀 지장이 없다
○ 나는 걷는데 약간 지장이 있다
○ 나는 걷는데 중간 정도의 지장이 있다
○ 나는 걷는데 심한 지장이 있다
○ 나는 걸을 수 없다

5=나는 걷는데 전혀 지장이 없다 4=나는 걷는데 약간 지장이 있다 3=나는 걷는데 중간 정도의 지장이 있다 2=나는 걷는데 심한 지장이 있다 1=나는 걸을 수 없다

**자기 관리**

QSE5SVY2

○ 나는 혼자 씻거나 옷을 입는데 전혀 지장이 없다
○ 나는 혼자 씻거나 옷을 입는데 약간 지장이 있다
○ 나는 혼자 씻거나 옷을 입는데 중간 정도의 지장이 있다
○ 나는 혼자 씻거나 옷을 입는데 심한 지장이 있다
○ 나는 혼자 씻거나 옷을 입을 수 없다

5=나는 혼자 씻거나 옷을 입는데 전혀 지장이 없다 4=나는 혼자 씻거나 옷을 입는데 약간 지장이 있다 3=나는 혼자 씻거나 옷을 입는데 중간 정도의 지장이 있다 2=나는 혼자 씻거나 옷을 입는데 심한 지장이 있다 1=나는 혼자 씻거나 옷을 입을 수 없다

**일상 활동**

QSE5SVY3

○ 나는 일상 활동을 하는데 전혀 지장이 없다
○ 나는 일상 활동을 하는데 약간 지장이 있다
○ 나는 일상 활동을 하는데 중간 정도의 지장이 있다
○ 나는 일상 활동을 하는데 심한 지장이 있다
○ 나는 일상 활동을 할 수 없다

5=나는 일상 활동을 하는데 전혀 지장이 없다 4=나는 일상 활동을 하는데 약간 지장이 있다 3=나는 일상 활동을 하는데 중간 정도의 지장이 있다 2=나는 일상 활동을 하는데 심한 지장이 있다 1=나는 일상 활동을 할 수 없다

| | |
|---|---|
| 통증 / 불편감<br><br>**QSE5SVY4** | ○ 나는 전혀 통증이나 불편감이 없다<br>○ 나는 약간 통증이나 불편감이 있다<br>○ 나는 중간 정도의 통증이나 불편감이 있다<br>○ 나는 심한 통증이나 불편감이 있다<br>○ 나는 극심한 통증이나 불편감이 있다<br><br>5=나는 전혀 통증이나 불편감이 없다 4=나는 약간 통증이나 불편감이 있다 3=나는 중간 정도의 통증이나 불편감이 있다 2=나는 심한 통증이나 불편감이 있다 1=나는 극심한 통증이나 불편감이 있다 |
| 불안 / 우울<br><br>**QSE5SVY5** | ○ 나는 전혀 불안하거나 우울하지 않다<br>○ 나는 약간 불안하거나 우울하다<br>○ 나는 중간 정도로 불안하거나 우울하다<br>○ 나는 심하게 불안하거나 우울하다<br>○ 나는 극도로 불안하거나 우울하다<br><br>5=나는 전혀 불안하거나 우울하지 않다 4=나는 약간 불안하거나 우울하다 3=나는 중간 정도로 불안하거나 우울하다 2=나는 심하게 불안하거나 우울하다 1=나는 극도로 불안하거나 우울하다 |
| 오늘 당신의 건강상태<br><br>**QSE5SVY6** | [                    ]<br>text |
| ▶ Comment | |
| Comment<br><br>**Comment** | [                    ]<br>text |

| 도메인명(eCRF 명) | HINT-8 |
|---|---|

| 방문명(VISITNM) | VISIT1 | VISIT2 | VISIT3 | VISIT4 | VISIT5 | VISIT6 | Termination Visit |
|---|---|---|---|---|---|---|---|

▶ HINT-8

**Not Done**
QSH8ND

☐ Not Done
1=Not Done

**설문 날짜**
QSH8DTC

YYYY-MM-DD

**Q2**
QSH8SVY2

○ 나는 전혀 통증이 없었다
○ 나는 약한 통증이 있었다
○ 나는 심한 통증이 있었다
○ 나는 극심한 통증이 있었다

4=나는 전혀 통증이 없었다 3=나는 약한 통증이 있었다 2=나는 심한 통증이 있었다 1=나는 극심한 통증이 있었다

**Q3**
QSH8SVY3

○ 나는 항상 기운이 있었다
○ 나는 자주 기운이 있었다
○ 나는 가끔 기운이 있었다
○ 나는 전혀 기운이 없었다

4=나는 항상 기운이 있었다 3=나는 자주 기운이 있었다 2=나는 가끔 기운이 있었다 1=나는 전혀 기운이 없었다

**Q4**
QSH8SVY4

○ 나는 일을 하는 데 어려움이 전혀 없었다
○ 나는 일을 하는 데 어려움이 약간 있었다
○ 나는 일을 하는 데 어려움이 많이 있었다
○ 나는 일을 할 수 없었다

4=나는 일을 하는 데 어려움이 전혀 없었다 3=나는 일을 하는 데 어려움이 약간 있었다 2=나는 일을 하는 데 어려움이 많이 있었다 1=나는 일을 할 수 없었다

**Q5**
QSH8SVY5

○ 나는 전혀 우울하지 않았다
○ 나는 가끔 우울했다
○ 나는 자주 우울했다
○ 나는 항상 우울했다

4=나는 전혀 우울하지 않았다 3=나는 가끔 우울했다 2=나는 자주 우울했다 1=나는 항상 우울했다

| Q6 | ○ 나는 기억하는 데 어려움이 전혀 없었다 |
|---|---|
| QSH8SVY6 | ○ 나는 기억하는 데 어려움이 약간 있었다 |
| | ○ 나는 기억하는 데 어려움이 많이 있었다 |
| | ○ 나는 전혀 기억을 할 수 없었다 |
| | 4=나는 기억하는 데 어려움이 전혀 없었다 3=나는 기억하는 데 어려움이 약간 있었다 2=나는 기억하는 데 어려움이 많이 있었다 1=나는 전혀 기억을 할 수 없었다 |
| Q7 | ○ 나는 잠을 자는 데 어려움이 전혀 없었다 |
| QSH8SVY7 | ○ 나는 잠을 자는 데 어려움이 약간 있었다 |
| | ○ 나는 잠을 자는 데 어려움이 많이 있었다 |
| | ○ 나는 잠을 잘 수 없었다 |
| | 4=나는 잠을 자는 데 어려움이 전혀 없었다 3=나는 잠을 자는 데 어려움이 약간 있었다 2=나는 잠을 자는 데 어려움이 많이 있었다 1=나는 잠을 잘 수 없었다 |
| Q8 | ○ 나는 항상 행복했다 |
| QSH8SVY8 | ○ 나는 자주 행복했다 |
| | ○ 나는 가끔 행복했다 |
| | ○ 나는 전혀 행복하지 않았다 |
| | 4=나는 항상 행복했다 3=나는 자주 행복했다 2=나는 가끔 행복했다 1=나는 전혀 행복하지 않았다 |

▶ Comment

| Comment | |
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