

**The Society of Thoracic Surgeons**

**Congenital Heart Surgery Database**

**Data Collection Form Version 3.22**

May 24, 2013

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| **ADMINISTRATIVE** | |
| Participant ID:  ParticID (10) | STS Trial Link Number:  STSTLink (80) |

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| **DEMOGRAPHICS** | | | | | | | | | | | | | | | | | | | |
| Patient ID (software generated)  PatID (90) | | | | | | | Patient Nat. ID (SSN):  PatNationalID (110) | | | | | | | | | MRN:  MedRecN (120) | | | |
| Last Name:  PatLName (140) | | | | | | | First Name:  PatFName (150) | | | | | | | | | Middle Name:  PatMName (170) | | | |
| Region:  PatRegion (180) | | | | | | | Postal Code:  PatPostalCode (190) | | | | | | | | | Country:  PatCountry (200) | | | |
| Birth City:  BirthCit (210) | | | | | | | Birth Region:  BirthSta (220) | | | | | | | | | Birth Country:  BirthCou (230) | | | |
| Mother’s Name Known: MatNameKnown (240) | | | | | | | | 🞎 Yes  🞎 No | | | | | | | | | | | |
| *(If Yes →)* | Mother’s Last Name:  MatLName (250) | | | | | | | | | Mother’s First Name:  MatFName (260) | | | | | | | Mother’s Middle Name:  MatMName (280) | | |
| Mother’s National ID Number (SSN) Known:  MatSSNKnown (290) | | | | | | | | | | 🞎 Yes 🞎 No 🞎 Refused | | | | | | | | | |
| *(If Yes →)* | Mother’s National ID Number (SSN):  MatSSN (300) | | | | | | | | | | | | | | | | | | |
| DOB: *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_  DOB (310) | | | | | | | | | Birth Weight Known:  BirthWtKnown (320) | | | | 🞎 Yes  🞎 No | | *(If Yes →)* Birth Weight (kg):  BirthWtKg (330) | | | | |
| Gender: 🞎 M 🞎 F 🞎Ambiguous  Gender (340) | | | | | | | | | Premature Birth: 🞎 Yes 🞎 No 🞎 Unknown  Premature (350) | | | | | | | | | | |
| Gestational Age at Birth Known:  GestAgeKnown (360) | | | | | 🞎 Yes  🞎 No | | | | *(If Yes →)* | | | Gestational age at birth (in weeks):  GestAgeWeeks (370) | | | | | | | |
| Multiple Gestation:  MultGest (380) | | | | 🞎 Yes 🞎 No  🞎 Unknown | | | | | Antenatal Diagnosis of Congenital Heart Disease:  AntenatalDiag(381) | | | | | | | | | 🞎 Yes 🞎 No  🞎 Unknown | |
| Race  (select all that apply): | | | Caucasian:  RaceCaucasian (390)  Asian:  RaceAsian (410)  Native Hawaiian/Pacific Islander:  RaceNativePacific (430) | | | | | | | | 🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No | | | Black/African American:  RaceBlack (400)  Am Indian/Alaskan Native:  RaceNativeAm (420)  Other:  RaceOther (440) | | | | | 🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No |
| Hispanic or Latino Ethnicity:  Ethnicity (450) | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | |
| Date of Last Follow-Up:  LFUDate (460) | | | | | | *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ | | | | | | | | | | | | | |
| Last follow-up NYHA Classification: LFUNYHA (470) | | | | | | | | | 🞎 Not Assessed 🞎 NYHA 1 🞎 NYHA 2 🞎 NYHA 3 🞎 NYHA 4 | | | | | | | | | | |
| Mortality Status at Last Follow-Up: LFUMortStat (480) | | | | | | | | | 🞎 Alive 🞎 Dead | | | | | | | | | | |
| Mortality Date:  MtDate (490) | | *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ | | | | | | | | | | | | | | | | | |

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| **NONCARDIAC CONGENITAL ANATOMIC ABNORMALITIES (select all that apply)** NCAA (530) | | | | |
|  | None | | | |
|  | Major abnormality of head, Choanal atresia | | | |
|  | Major abnormality of head, Cleft lip | | | |
|  | Major abnormality of head, Cleft palate | | | |
|  | Major abnormality of head | | | |
|  | Major abnormality of brain, Hydrocephalus | | | |
|  | Major abnormality of brain, Macrocephaly | | | |
|  | Major abnormality of brain, Microcephaly | | | |
|  | Major abnormality of brain | | | |
|  | Major abnormality of spinal cord, Myelomeningocele | | | |
|  | Major abnormality of spinal cord, Spina bifida | | | |
|  | Major abnormality of spinal cord | | | |
|  | Major abnormality of spine, Scoliosis | | | |
|  | Major abnormality of spine | | | |
|  | Major abnormality of larynx - trachea - or bronchus, Laryngomalacia | | | |
|  | Major abnormality of larynx - trachea - or bronchus, Congenital tracheal stenosis | | | |
|  | Major abnormality of larynx - trachea - or bronchus, Tracheomalacia | | | |
|  | Major abnormality of larynx - trachea - or bronchus, Tracheoesophageal fistula (TEF) | | | |
|  | Major abnormality of larynx - trachea - or bronchus, Bronchomalacia | | | |
|  | Major abnormality of larynx - trachea - or bronchus | | | |
|  | Major abnormality of lung, Congenital lobar emphysema (CLE) | | | |
|  | Major abnormality of lung, Cystic congenital adenomatous malformation of the lung (CAM) | | | |
|  | Major abnormality of lung, Cystic fibrosis | | | |
|  | Major abnormality of lung, Pulmonary lymphangiectasia | | | |
|  | Major abnormality of lung | | | |
|  | Major abnormality of abdominal wall, Congenital diaphragmatic hernia (CDH) | | | |
|  | Major abnormality of abdominal wall, Gastroschisis | | | |
|  | Major abnormality of abdominal wall, Omphalocele | | | |
|  | Major abnormality of gastrointestinal system, Biliary atresia | | | |
|  | Major abnormality of gastrointestinal system, Duodenal atresia | | | |
|  | Major abnormality of gastrointestinal system, Duodenal stenosis | | | |
|  | Major abnormality of gastrointestinal system, Jejunal atresia | | | |
|  | Major abnormality of gastrointestinal system, Jejunal stenosis | | | |
|  | Major abnormality of gastrointestinal system, Ileal atresia | | | |
|  | Major abnormality of gastrointestinal system, Ileal stenosis | | | |
|  | Major abnormality of gastrointestinal system, Intestinal malrotation | | | |
|  | Major abnormality of gastrointestinal system, Hirschsprung's disease (Congenital aganglionic megacolon) | | | |
|  | Major abnormality of gastrointestinal system, Stenosis of large intestine | | | |
|  | Major abnormality of gastrointestinal system, Atresia of large intestine | | | |
|  | Major abnormality of gastrointestinal system, Atresia of rectum | | | |
|  | Major abnormality of gastrointestinal system, Stenosis of rectum | | | |
|  | Major abnormality of gastrointestinal system, Anal Atresia (imperforate anus) | | | |
|  | Major abnormality of gastrointestinal system | | | |
|  | Major abnormality of kidney - ureter - or bladder | | | |
|  | Other | | | |
|  | *(If NCAA is Other ↓)*    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Major Noncardiac Abnormality- Other- Specify NCAAOthSp (540) | | | |
| **CHROMOSOMAL ABNORMALITIES** ChromAb (570) | | | | |
| 🞎 | | No chromosomal abnormality identified | 🞎 | 5p |
| 🞎 | | 11p15.5 | 🞎 | 6p12 |
| 🞎 | | 11q | 🞎 | 7q11 |
| 🞎 | | 12p1.21 | 🞎 | 7q11.23 |
| 🞎 | | 12p12.1 | 🞎 | 7q32 |
| 🞎 | | 12q24 | 🞎 | 7q34 |
| 🞎 | | 15q21.1 | 🞎 | 8q12 |
| 🞎 | | 1q42.1 | 🞎 | TGFBR1 or 2 |
| 🞎 | | 20p12 | 🞎 | Trisomy 08 |
| 🞎 | | 22q11 deletion | 🞎 | Trisomy 09 |
| 🞎 | | 2p21 | 🞎 | Trisomy 13 |
| 🞎 | | 3p22 | 🞎 | Trisomy 18 |
| 🞎 | | 45X0 | 🞎 | Trisomy 21 |
| 🞎 | | 47,XXY | 🞎 | Other chromosomal abnormality |
| 🞎 | | 4p | *(If ChromAb is Other chromosomal abnormality ↓)* | |
| 🞎 | | 4p16 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Chromosomal Abnormality - Other - Specify ChromAbOthSp (580) | |
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| **SYNDROMES (select all that apply)** Syndrome (610) | | | |
| 🞎 | No syndromic abnormality identified | 🞎 | Long QT syndrome (Ward Romano syndrome) |
| 🞎 | Alagille syndrome (intrahepatic biliary duct agenesis) | 🞎 | Marfan syndrome |
| 🞎 | Apert syndrome | 🞎 | Marfan-like syndrome |
| 🞎 | Brugada syndrome (Sudden unexplained nocturnal death syndrome) (SUNDS) | 🞎 | Mucopolysaccharidosis type IH (Hurler syndrome) |
| 🞎 | Cardiofaciocutaneous syndrome | 🞎 | Mucopolysaccharidosis type IH/S (Hurler-Scheie syndrome) |
| 🞎 | Carpenter syndrome | 🞎 | Mucopolysaccharidosis type II (Hunter syndrome) |
| 🞎 | Cat-eye syndrome | 🞎 | Mucopolysaccharidosis type IS (Scheie syndrome) |
| 🞎 | CHARGE Association | 🞎 | Noonan syndrome |
| 🞎 | Cornelia de Lange syndrome | 🞎 | Patau syndrome (Trisomy 13) |
| 🞎 | Costello syndrome | 🞎 | Pierre Robin syndrome |
| 🞎 | Cri-du-chat syndrome | 🞎 | Prune Belly syndrome |
| 🞎 | Deletion 10p syndrome | 🞎 | Rethore syndrome (Trisomy 9) |
| 🞎 | Deletion 8p syndrome | 🞎 | Fetal Rubella syndrome (Congenital rubella syndrome) |
| 🞎 | DiGeorge syndrome (velocardiofacial syndrome) (conotruncal anomaly face syndrome) (22q11 deletion) | 🞎 | Rubinstein-Taybi syndrome |
| 🞎 | Down syndrome (Trisomy 21) | 🞎 | Short QT syndrome |
| 🞎 | Edwards syndrome (Trisomy 18) | 🞎 | Sickle cell disease |
| 🞎 | Ehlers- Danlos Syndrome | 🞎 | Sickle cell trait |
| 🞎 | Ellis-van Creveld syndrome | 🞎 | Situs inversus |
| 🞎 | Fetal alcohol syndrome (FAS) | 🞎 | Smith-Lemli-Opitz syndrome |
| 🞎 | Fetal drug exposure | 🞎 | Turner syndrome (45XO) |
| 🞎 | Goldenhar syndrome | 🞎 | VACTERL syndrome (VACTER/VATER/VATERR syndrome) |
| 🞎 | Heterotaxy syndrome | 🞎 | VACTERL-H syndrome (VATER association with hydrocephalus) (Briard-Evans syndrome) |
| 🞎 | Heterotaxy syndrome, Asplenia syndrome | 🞎 | Von Willebrand disease (vWD) |
| 🞎 | Heterotaxy syndrome, Polysplenia syndrome | 🞎 | Warkany syndrome (Trisomy 8) |
| 🞎 | Holt-Oram syndrome | 🞎 | Williams syndrome (Williams-Beuren syndrome) |
| 🞎 | Jacobsen syndrome | 🞎 | Wolff-Parkinson-White syndrome (WPW syndrome) |
| 🞎 | Kabuki syndrome | 🞎 | Wolf-Hirschhorn syndrome |
| 🞎 | Kartagener syndrome (Siewert syndrome) (Primary ciliary dyskinesia) | 🞎 | Other syndromic abnormality |
| 🞎 | Klinefelter syndrome (XXY Syndrome) |  | *(If Other Syndromic abnormality, Specify ↓)* |
| 🞎 | LEOPARD syndrome |  | Syndrome – Other – Specify SyndromeOthSp (620) |
| 🞎 | Loeys-Dietz syndrome |  |

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| **HOSPITALIZATION** | | | | | | | | | |
| Hospital Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HospName (630) | | | | | | | | | |
| Hospital Zip Code:\_\_\_\_\_\_\_\_\_\_\_\_\_  HospZIP (640) | | | Hospital State:\_\_\_\_\_\_\_\_\_\_\_\_\_  HospStat (650) | | | | | Hospital National Provider Identifier: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  HospNPI (660) | |
| Payor – *(Select all that apply)*  Government Health Insurance: 🞎 Yes 🞎 No *(If Yes, select all that apply: ↓)*  PayorGov (670) | | | | | | | | | |
|  | | Medicare: 🞎 Yes 🞎 No  PayorGovMcare (680) | | | | *(If Yes →)*Medicare Fee For Service: 🞎 Yes 🞎 No  MedicareFFS (690)  *(If Yes →)*  Medicare Health Insurance Claim Number: \_\_\_\_\_\_\_\_\_\_\_  MHICNumber (695) | | | |
|  | | Medicaid: 🞎 Yes 🞎 No  PayorGovMcaid (700)  State-Specific Plan: 🞎 Yes 🞎 No  PayorGovState (720) | | | | Military Health Care: 🞎 Yes 🞎 No  PayorGovMil(710)  Indian Health Service: 🞎 Yes 🞎 No  PayorGovIHS (730) | | | |
| Commercial Health Insurance: PayorCom (740)  Health Maintenance Organization: PayorHMO (750)  Non-U.S. Insurance: PayorNonUS (760)  None / Self: PayorNS (770) | | | | | 🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No | | | | |
| Admission date: *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ Surgery date: *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_  AdmitDt (780) SurgDt (790) | | | | | | | | | |
| Height (Cm): \_\_\_\_\_\_\_\_\_\_  HeightCm (800) | | | | Weight (Kg):\_\_\_\_\_\_\_\_\_\_  WeightKg (810) | | | | | Age at time of surgery (in days):\_\_\_\_\_\_\_\_\_\_  AgeDays (820) |
| **PREOPERATIVE FACTORS (select all that apply)** PreopFactor (850) | | | | | | | | | |
| 🞎 | No preoperative factors identified | | | | | 🞎 | Sepsis | | |
| 🞎 | Cardio-pulmonary resuscitation | | | | | 🞎 | Sepsis with positive blood culture | | |
| 🞎 | Preoperative complete AV block | | | | | 🞎 | Preoperative neurological deficit | | |
| 🞎 | Preoperative/Preprocedural mechanical circulatory support (IABP, VAD, ECMO, or CPS) | | | | | 🞎 | Seizure during lifetime | | |
| 🞎 | Shock, Persistent at time of surgery | | | | | 🞎 | Seizure within 48 hours prior to surgery | | |
| 🞎 | Shock, Resolved at time of surgery | | | | | 🞎 | Stroke, CVA, or Intracranial hemorrhage > Grade 2 during lifetime | | |
| 🞎 | Diabetes mellitus, Insulin dependent | | | | | 🞎 | Stroke, CVA, or Intracranial hemorrhage > Grade 2 within 48 hours prior to surgery | | |
| 🞎 | Diabetes mellitus, Non-insulin dependent | | | | | 🞎 | Renal dysfunction | | |
| 🞎 | Hypothyroidism | | | | | 🞎 | Renal failure requiring dialysis | | |
| 🞎 | Currently taking steroids as treatment for adrenal insufficiency | | | | | 🞎 | Mechanical ventilation to treat cardiorespiratory failure | | |
| 🞎 | Currently taking steroids for any reason other than treatment of adrenal insufficiency | | | | | 🞎 | Respiratory Syncytial Virus | | |
| 🞎 | Colostomy present | | | | | 🞎 | Single lung | | |
| 🞎 | Enterostomy of small intestine present | | | | | 🞎 | Tracheostomy present | | |
| 🞎 | Esophagostomy present | | | | | 🞎 | Asthma | | |
| 🞎 | Gastrostomy present | | | | | 🞎 | Bronchopulmonary Dysplasia (BPD) | | |
| 🞎 | Hepatic dysfunction | | | | | 🞎 | ICD (AICD) ([automatic] implantable cardioverter defibrillator) present | | |
| 🞎 | Necrotizing entero-colitis, Treated medically | | | | | 🞎 | Pacemaker present | | |
| 🞎 | Necrotizing entero-colitis, Treated surgically | | | | | 🞎 | Tobacco use | | |
| 🞎 | Coagulation disorder, Hypercoagulable state | | | | | 🞎 | Family History of Coronary Artery Disease | | |
| 🞎 | Coagulation disorder, Hypocoagulable state not secondary to medication (intrinsic hypocoagulable state) | | | | | 🞎 | Dyslipidemia | | |
| 🞎 | Coagulation disorder, Hypocoagulable state secondary to medication | | | | | 🞎 | Other preoperative factors | | |
| 🞎 | Endocarditis | | | | |  |  | | |

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| **DIAGNOSIS** | | |
| Select **ALL** diagnosis that apply (↓)  Diagnosis (890) | CIRCLE the ONE PRIMARY diagnosis for this operation  PrimDiag (900) | Select the **ONE** FUNDAMENTAL diagnosis for this patient (↓)  FundDiagnosis (382) |

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| **Septal Defects** | ASD | 🞎 | PFO | 🞎 |
| 🞎 | ASD, Secundum | 🞎 |
| 🞎 | ASD, Sinus venosus | 🞎 |
| 🞎 | ASD, Coronary sinus | 🞎 |
| 🞎 | ASD, Common atrium (single atrium) | 🞎 |
|  | 🞎 | ASD, Postoperative interatrial communication | NA |
| VSD | 🞎 | VSD, Type 1 (Subarterial) (Supracristal) (Conal septal defect) (Infundibular) | 🞎 |
| 🞎 | VSD, Type 2 (Perimembranous) (Paramembranous) (Conoventricular) | 🞎 |
| 🞎 | VSD, Type 3 (Inlet) (AV canal type) | 🞎 |
| 🞎 | VSD, Type 4 (Muscular) | 🞎 |
| 🞎 | VSD, Type: Gerbode type (LV-RA communication) | 🞎 |
| 🞎 | VSD, Multiple | 🞎 |
| AV Canal | 🞎 | AVC (AVSD), Complete (CAVSD) | 🞎 |
| 🞎 | AVC (AVSD), Intermediate (transitional) | 🞎 |
| 🞎 | AVC (AVSD), Partial (incomplete) (PAVSD) (ASD, primum) | 🞎 |
| AP Window | 🞎 | AP window (aortopulmonary window) | 🞎 |
| 🞎 | Pulmonary artery origin from ascending aorta (hemitruncus) | 🞎 |
| Truncus Arteriosus | 🞎 | Truncus arteriosus | 🞎 |
| 🞎 | Truncal valve insufficiency | 🞎 |
|  |  | 🞎 | Truncus arteriosus + Interrupted aortic arch | 🞎 |
| **Pulmonary Venous Anomalies** | Partial Anomalous Pulmonary Venous Connection | 🞎 | Partial anomalous pulmonary venous connection (PAPVC) | 🞎 |
| 🞎 | Partial anomalous pulmonary venous connection (PAPVC), scimitar | 🞎 |
| Total Anomalous Pulmonary Venous Connection | 🞎 | Total anomalous pulmonary venous connection (TAPVC), Type 1 (supracardiac) | 🞎 |
| 🞎 | Total anomalous pulmonary venous connection (TAPVC), Type 2 (cardiac) | 🞎 |
| 🞎 | Total anomalous pulmonary venous connection (TAPVC), Type 3 (infracardiac) | 🞎 |
| 🞎 | Total anomalous pulmonary venous connection (TAPVC), Type 4 (mixed) | 🞎 |
| **Cor Triatriatum** |  | 🞎 | Cor triatriatum | 🞎 |
| **Pulmonary Venous Stenosis** |  | 🞎 | Pulmonary venous stenosis | 🞎 |
| **Systemic Venous Anomalies** | Anomalous Systemic Venous Connection | 🞎 | Systemic venous anomaly | 🞎 |
| Systemic venous obstruction | 🞎 | Systemic venous obstruction | 🞎 |
| **Right Heart Lesions** | Tetralogy of Fallot | 🞎 | TOF | 🞎 |
| 🞎 | TOF, Pulmonary stenosis | 🞎 |
| 🞎 | TOF, AVC (AVSD) | 🞎 |
| 🞎 | TOF, Absent pulmonary valve | 🞎 |
| Pulmonary Atresia | 🞎 | Pulmonary atresia | 🞎 |
| 🞎 | Pulmonary atresia, IVS | 🞎 |
| 🞎 | Pulmonary atresia, VSD (Including TOF, PA) | 🞎 |
| 🞎 | Pulmonary atresia, VSD-MAPCA | 🞎 |
| 🞎 | MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD) | 🞎 |
| Tricuspid Valve Disease and Ebstein’s Anomaly | 🞎 | Ebstein's anomaly | 🞎 |
| 🞎 | Tricuspid regurgitation, non-Ebstein's related | 🞎 |
| 🞎 | Tricuspid stenosis | 🞎 |
| 🞎 | Tricuspid regurgitation and tricuspid stenosis | 🞎 |
| 🞎 | Tricuspid valve, Other | 🞎 |
|  |  |  |  |
| RVOT Obstruction and/or Pulmonary Stenosis | 🞎 | Pulmonary stenosis, Valvar | 🞎 |
| 🞎 | Pulmonary artery stenosis (hypoplasia), Main (trunk) | 🞎 |
| 🞎 | Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation) | 🞎 |
| 🞎 | Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation) | 🞎 |
| 🞎 | Pulmonary artery, Discontinuous | 🞎 |
| 🞎 | Pulmonary stenosis, Subvalvar | 🞎 |
| 🞎 | DCRV | 🞎 |
| Pulmonary Valve Disease | 🞎 | Pulmonary valve, Other | 🞎 |
| 🞎 | Pulmonary insufficiency | 🞎 |
| 🞎 | Pulmonary insufficiency and pulmonary stenosis | 🞎 |
| **Shunt failure** | Shunt failure | 🞎 | Shunt Failure | NA |
| **Conduit failure** | Conduit failure | 🞎 | Conduit failure | NA |
| **Left Heart Lesions** | Aortic Valve Disease | 🞎 | Aortic stenosis, Subvalvar | 🞎 |
| 🞎 | Aortic stenosis, Valvar | 🞎 |
| 🞎 | Aortic stenosis, Supravalvar | 🞎 |
| 🞎 | Aortic valve atresia | 🞎 |
| 🞎 | Aortic insufficiency | 🞎 |
| 🞎 | Aortic insufficiency and aortic stenosis | 🞎 |
| 🞎 | Aortic valve, Other | 🞎 |
| Sinus of Valsalva Fistula/Aneurysm | 🞎 | Sinus of Valsalva aneurysm | 🞎 |
| LV to Aorta Tunnel | 🞎 | LV to aorta tunnel | 🞎 |
| Mitral Valve Disease | 🞎 | Mitral stenosis, Supravalvar mitral ring | 🞎 |
| 🞎 | Mitral stenosis, Valvar | 🞎 |
| 🞎 | Mitral stenosis, Subvalvar | 🞎 |
| 🞎 | Mitral stenosis, Subvalvar, Parachute | 🞎 |
| 🞎 | Mitral stenosis | 🞎 |
| 🞎 | Mitral regurgitation and mitral stenosis | 🞎 |
| 🞎 | Mitral regurgitation | 🞎 |
| 🞎 | Mitral valve, Other | 🞎 |
| Hypoplastic Left Heart Syndrome | 🞎 | Hypoplastic left heart syndrome (HLHS) | 🞎 |
| Shone’s syndrome | 🞎 | Shone’s syndrome *{CANNOT BE PRIMARY DIAGNOSIS}* | 🞎 |
| **Cardiomyopathy** |  | 🞎 | Cardiomyopathy (including dilated, restrictive, and hypertrophic) | 🞎 |
| 🞎 | Cardiomyopathy, End-stage congenital heart disease | 🞎 |
| **Pericardial Disease** |  | 🞎 | Pericardial effusion | 🞎 |
| 🞎 | Pericarditis | 🞎 |
| 🞎 | Pericardial disease, Other | 🞎 |
| **Single Ventricle** |  | 🞎 | Single ventricle, DILV | 🞎 |
| 🞎 | Single ventricle, DIRV | 🞎 |
| 🞎 | Single ventricle, Mitral atresia | 🞎 |
| 🞎 | Single ventricle, Tricuspid atresia | 🞎 |
| 🞎 | Single ventricle, Unbalanced AV canal | 🞎 |
| 🞎 | Single ventricle, Heterotaxia syndrome | 🞎 |
| 🞎 | Single ventricle, Other | 🞎 |
| 🞎 | Single ventricle + Total anomalous pulmonary venous connection (TAPVC) | 🞎 |
| **Transposition of the Great Arteries** | Congenitally Corrected TGA | 🞎 | Congenitally corrected TGA | 🞎 |
| 🞎 | Congenitally corrected TGA, IVS | 🞎 |
| 🞎 | Congenitally corrected TGA, IVS-LVOTO | 🞎 |
| 🞎 | Congenitally corrected TGA, VSD | 🞎 |
| 🞎 | Congenitally corrected TGA, VSD-LVOTO | 🞎 |
| Transposition of the Great Arteries | 🞎 | TGA, IVS | 🞎 |
| 🞎 | TGA, IVS-LVOTO | 🞎 |
| 🞎 | TGA, VSD | 🞎 |
| 🞎 | TGA, VSD-LVOTO | 🞎 |
| **DORV** |  | 🞎 | DORV, VSD type | 🞎 |
| 🞎 | DORV, TOF type | 🞎 |
| 🞎 | DORV, TGA type | 🞎 |
| 🞎 | DORV, Remote VSD (uncommitted VSD) | 🞎 |
| 🞎 | DORV + AVSD (AV Canal) | 🞎 |
| 🞎 | DORV, IVS | 🞎 |
| **DOLV** |  | 🞎 | DOLV | 🞎 |
| **Thoracic Arteries and Veins** | Coarctation of Aorta and Aortic arch hypoplasia | 🞎 | Coarctation of aorta | 🞎 |
| 🞎 | Aortic arch hypoplasia | 🞎 |
| 🞎 | VSD + Aortic arch hypoplasia | 🞎 |
| 🞎 | VSD + Coarctation of aorta | 🞎 |
| Coronary Artery Anomalies | 🞎 | Coronary artery anomaly, Anomalous aortic origin of coronary artery (AAOCA) | 🞎 |
| 🞎 | Coronary artery anomaly, Anomalous pulmonary origin (includes ALCAPA) | 🞎 |
| 🞎 | Coronary artery anomaly, Fistula | 🞎 |
| 🞎 | Coronary artery anomaly, Aneurysm | 🞎 |
| 🞎 | Coronary artery anomaly, Other | 🞎 |
| Interrupted Arch | 🞎 | Interrupted aortic arch | 🞎 |
| 🞎 | Interrupted aortic arch + VSD | 🞎 |
| 🞎 | Interrupted aortic arch + AP window (aortopulmonary window) | 🞎 |
| Patent Ductus Arteriosus | 🞎 | Patent ductus arteriosus | 🞎 |
| Vascular rings and Slings | 🞎 | Vascular ring | 🞎 |
| 🞎 | Pulmonary artery sling | 🞎 |
| Aortic Aneurysm | 🞎 | Aortic aneurysm (including pseudoaneurysm) | 🞎 |
| Aortic Dissection | 🞎 | Aortic dissection | 🞎 |
| **Thoracic and Mediastinal Disease** | Lung Disease | 🞎 | Lung disease, Benign | 🞎 |
| 🞎 | Lung disease, Malignant | 🞎 |
| Tracheal Stenosis | 🞎 | Tracheal stenosis | 🞎 |
| 🞎 | Airway disease | 🞎 |
| Pleural Disease | 🞎 | Pleural disease, Benign | 🞎 |
| 🞎 | Pleural disease, Malignant | 🞎 |
| 🞎 | Pneumothorax | 🞎 |
| 🞎 | Pleural effusion | 🞎 |
| 🞎 | Chylothorax | 🞎 |
| 🞎 | Empyema | 🞎 |
| Esophageal Disease | 🞎 | Esophageal disease, Benign | 🞎 |
| 🞎 | Esophageal disease, Malignant | 🞎 |
| Mediastinal Disease | 🞎 | Mediastinal disease | 🞎 |
| 🞎 | Mediastinal disease, Benign | 🞎 |
| 🞎 | Mediastinal disease, Malignant | 🞎 |
| Diaphragmatic Disease | 🞎 | Diaphragm paralysis | 🞎 |
| 🞎 | Diaphragm disease, Other | 🞎 |
|  | Chest Wall | 🞎 | Rib tumor, Benign | 🞎 |
|  | 🞎 | Rib tumor, Malignant | 🞎 |
|  | 🞎 | Rib tumor, Metastatic | 🞎 |
|  | 🞎 | Sternal tumor, Benign | 🞎 |
|  | 🞎 | Sternal tumor, Malignant | 🞎 |
|  | 🞎 | Sternal tumor, Metastatic | 🞎 |
|  | Pectus Excavatum, Carinatum | 🞎 | Pectus carinatum | 🞎 |
|  | 🞎 | Pectus excavatum | 🞎 |
|  | Thoracic Outlet | 🞎 | Thoracic outlet syndrome | 🞎 |
| **Electrophysiological** |  | 🞎 | Arrhythmia | 🞎 |
| 🞎 | Arrhythmia, Atrial | 🞎 |
| 🞎 | Arrhythmia, Junctional | 🞎 |
| 🞎 | Arrhythmia, Ventricular | 🞎 |
| 🞎 | Arrhythmia, Heart block | 🞎 |
| 🞎 | Arrhythmia, Heart block, Acquired | 🞎 |
| 🞎 | Arrhythmia, Heart block, Congenital | 🞎 |
| 🞎 | Arrhythmia, Pacemaker, Indication for replacement | NA |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Miscellaneous, Other** |  | 🞎 | Atrial Isomerism, Left *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Atrial Isomerism, Right *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Dextrocardia *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Levocardia *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Mesocardia *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Situs inversus  *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Aneurysm, Ventricular, Right (including pseudoaneurysm) | 🞎 |
| 🞎 | Aneurysm, Ventricular, Left (including pseudoaneurysm) | 🞎 |
| 🞎 | Aneurysm, Pulmonary artery | 🞎 |
| 🞎 | Aneurysm, Other | 🞎 |
| 🞎 | Hypoplastic RV | 🞎 |
| 🞎 | Hypoplastic LV | 🞎 |
| 🞎 | Postoperative bleeding | NA |
| 🞎 | Mediastinitis | 🞎 |
| 🞎 | Endocarditis | 🞎 |
| 🞎 | Rheumatic heart disease *{CANNOT BE PRIMARY DIAGNOSIS}* | NA |
| 🞎 | Prosthetic valve failure | NA |
| 🞎 | Myocardial infarction | 🞎 |
| 🞎 | Cardiac tumor | 🞎 |
| 🞎 | Pulmonary AV fistula | 🞎 |
| 🞎 | Pulmonary embolism | 🞎 |
| 🞎 | Pulmonary vascular obstructive disease | 🞎 |
| 🞎 | Pulmonary vascular obstructive disease (Eisenmenger’s) | 🞎 |
| 🞎 | Primary pulmonary hypertension | 🞎 |
| 🞎 | Persistent fetal circulation | 🞎 |
| 🞎 | Meconium aspiration | 🞎 |
| 🞎 | Kawasaki Disease | 🞎 |
| 🞎 | Cardiac, Other | 🞎 |
| 🞎 | Thoracic and/or mediastinal, Other | 🞎 |
| 🞎 | Peripheral vascular, Other | 🞎 |
|  |  | 🞎 | Complication of cardiovascular catheterization procedure | NA |
|  |  | 🞎 | Complication of cardiovascular catheterization procedure, Device embolization | NA |
|  |  | 🞎 | Complication of cardiovascular catheterization procedure, Device malfunction | NA |
|  |  | 🞎 | Complication of cardiovascular catheterization procedure, Perforation | NA |
|  |  | 🞎 | Complication of interventional radiology procedure | NA |
|  |  | 🞎 | Complication of interventional radiology procedure, Device embolization | NA |
|  |  | 🞎 | Complication of interventional radiology procedure, Device malfunction | NA |
|  |  | 🞎 | Complication of interventional radiology procedure, Perforation | NA |
|  |  | 🞎 | Foreign body, Intracardiac foreign body | NA |
|  |  | 🞎 | Foreign body, Intravascular foreign body | NA |
|  |  | 🞎 | Open sternum with closed skin | NA |
|  |  | 🞎 | Open sternum with open skin (includes membrane placed to close skin) | NA |
|  |  | 🞎 | Retained sternal wire causing irritation | NA |
|  |  | 🞎 | Syncope | NA |
|  |  | 🞎 | Trauma, Blunt | 🞎 |
|  |  | 🞎 | Trauma, Penetrating | 🞎 |
|  |  | 🞎 | Normal heart | 🞎 |
|  |  | 🞎 | Miscellaneous, Other | 🞎 |
| **STATUS POST (No “Status post – diagnoses” can be a primary diagnosis or fundamental diagnosis)** | | | | |  |  |  | NA |
| **Septal Defects** | ASD | 🞎 | Status post - PFO, Primary closure | |  |
| 🞎 | Status post - ASD repair, Primary closure | |
| 🞎 | Status post - ASD repair, Patch | |
| 🞎 | Status post - ASD repair, Device | |
| 🞎 | Status post - ASD repair, Patch + PAPVC repair | |
| 🞎 | Status post - ASD, Common atrium (single atrium), Septation | |
| 🞎 | Status post - ASD creation/enlargement | |
| 🞎 | Status post - ASD partial closure | |
| 🞎 | Status post - Atrial septal fenestration | |
| 🞎 | Status post - Atrial fenestration closure | |
| VSD | 🞎 | Status post - VSD repair, Primary closure | |
| 🞎 | Status post - VSD repair, Patch | |
| 🞎 | Status post - VSD repair, Device | |
| 🞎 | Status post - VSD, Multiple, Repair | |
| 🞎 | Status post - VSD creation/enlargement | |
| 🞎 | Status post - Ventricular septal fenestration | |
| AV Canal | 🞎 | Status post - AVC (AVSD) repair, Complete (CAVSD) | |
| 🞎 | Status post - AVC (AVSD) repair, Intermediate (Transitional) | |
| 🞎 | Status post - AVC (AVSD) repair, Partial (Incomplete) (PAVSD) | |
| 🞎 | Status post - Valvuloplasty, Common atrioventricular valve | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve | |
| 🞎 | Status post - Valve replacement, Common atrioventricular valve | |
| AP Window | 🞎 | Status post - AP window repair | |
| 🞎 | Status post - Pulmonary artery origin from ascending aorta (hemitruncus) repair | |
| Truncus Arteriosus | 🞎 | Status post - Truncus arteriosus repair | |
| 🞎 | Status post - Valvuloplasty, Truncal valve | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Truncal valve | |
| 🞎 | Status post - Valve replacement, Truncal valve | |
| 🞎 | Status post - Truncus + Interrupted aortic arch repair (IAA) repair | |
| **Pulmonary Venous Anomalies** | Partial Anomalous Pulmonary Venous Connection | 🞎 | Status post - PAPVC repair | |
| 🞎 | Status post - PAPVC, Scimitar, Repair | |
| 🞎 | Status post - PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage) | |
| Total Anomalous Pulmonary Venous Connection | 🞎 | Status post - TAPVC repair | |
| 🞎 | Status post - TAPVC repair + Shunt - systemic-to-pulmonary | |
| **Cor Triatriatum** |  | 🞎 | Status post - Cor triatriatum repair | |
| **Pulmonary Venous Stenosis** |  | 🞎 | Status post - Pulmonary venous stenosis repair | |
| **Systemic Venous Anomalies** | Anomalous Systemic Venous Connection | 🞎 | Status post - Atrial baffle procedure (non-Mustard, non-Senning) | |
| 🞎 | Status post - Anomalous systemic venous connection repair | |
| Systemic venous obstruction | 🞎 | Status post - Systemic venous stenosis repair | |
| **Right Heart Lesions** | Tetralogy of Fallot | 🞎 | Status post - TOF repair, No ventriculotomy | |
| 🞎 | Status post - TOF repair, Ventriculotomy, Nontransanular patch | |
| 🞎 | Status post - TOF repair, Ventriculotomy, Transanular patch | |
| 🞎 | Status post - TOF repair, RV-PA conduit | |
| 🞎 | Status post - TOF - AVC (AVSD) repair | |
| 🞎 | Status post - TOF - Absent pulmonary valve repair | |
| Pulmonary Atresia/VSD | 🞎 | Status post - Pulmonary atresia - VSD (including TOF, PA) repair | |
| 🞎 | Status post - Pulmonary atresia - VSD - MAPCA repair, Complete single stage repair (1-stage that includes bilateral pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit]) | |
| 🞎 | Status post - Pulmonary atresia - VSD - MAPCA repair, Status post prior complete unifocalization (includes VSD closure + RV to PA connection [with or without conduit]) | |
| 🞎 | Status post - Pulmonary atresia - VSD - MAPCA repair, Status post prior incomplete unifocalizarion (includes completion of pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit]) | |
| 🞎 | Status post - Unifocalization MAPCA(s), Bilateral pulmonary unifocalization - Complete unifocalization (all usable MAPCA[s] are incorporated) | |
| 🞎 | Status post - Unifocalization MAPCA(s), Bilateral pulmonary unifocalization - Incomplete unifocalization (not all usable MAPCA[s] are incorporated) | |
| 🞎 | Status post - Unifocalization MAPCA(s), Unilateral pulmonary unifocalization | |
| 🞎 | Status post – Unifocalization MAPCA(s) | |
|  | 🞎 | Status post - Occlusion of MAPCA(s) | |
| Tricuspid Valve Disease and Ebstein’s Anomaly | 🞎 | Status post - Valvuloplasty, Tricuspid | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Tricuspid | |
| 🞎 | Status post - Ebstein's repair | |
| 🞎 | Status post - Valve replacement, Tricuspid (TVR) | |
| 🞎 | Status post - Valve closure, Tricuspid (exclusion, univentricular approach) | |
| 🞎 | Status post - Valve excision, Tricuspid (without replacement) | |
| 🞎 | Status post - Valve surgery, Other, Tricuspid | |
| RVOT Obstruction, IVS Pulmonary Stenosis | 🞎 | Status post - RVOT procedure | |
| 🞎 | Status post - 1 1/2 ventricular repair | |
| 🞎 | Status post - PA, reconstruction (plasty), Main (trunk) | |
| 🞎 | Status post - PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation) | |
| 🞎 | Status post - PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation) | |
| 🞎 | Status post - DCRV repair | |
| Pulmonary Valve Disease | 🞎 | Status post - Valvuloplasty, Pulmonic | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Pulmonic | |
| 🞎 | Status post - Valve replacement, Pulmonic (PVR) | |
| 🞎 | Status post - Valve excision, Pulmonary (without replacement) | |
| 🞎 | Status post - Valve closure, Semilunar | |
| 🞎 | Status post - Valve surgery, Other, Pulmonic | |
| **Conduit operations** | Conduit operations | 🞎 | Status post - Conduit placement, RV to PA | |
| 🞎 | Status post - Conduit placement, LV to PA | |
| 🞎 | Status post - Conduit placement, Ventricle to aorta | |
| 🞎 | Status post - Conduit placement, Other | |
| Conduit Stenosis / Insufficiency | 🞎 | Status post - Conduit reoperation | |
| **Left Heart Lesions** | Aortic Valve Disease | 🞎 | Status post - Valvuloplasty, Aortic | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross-Konno procedure | |
| 🞎 | Status post - Valve replacement, Aortic (AVR) | |
| 🞎 | Status post - Valve replacement, Aortic (AVR), Mechanical | |
| 🞎 | Status post - Valve replacement, Aortic (AVR), Bioprosthetic | |
| 🞎 | Status post - Valve replacement, Aortic (AVR), Homograft | |
| 🞎 | Status post - Aortic root replacement, Bioprosthetic | |
| 🞎 | Status post - Aortic root replacement, Mechanical | |
| 🞎 | Status post - Aortic root replacement, Homograft | |
| 🞎 | Status post - Aortic root replacement, Valve sparing | |
| 🞎 | Status post - Ross procedure | |
| 🞎 | Status post - Konno procedure | |
| 🞎 | Status post - Ross-Konno procedure | |
| 🞎 | Status post - Other annular enlargement procedure | |
| 🞎 | Status post - Aortic stenosis, Subvalvar, Repair | |
| 🞎 | Status post - Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS | |
| 🞎 | Status post - Aortic stenosis, Supravalvar, Repair | |
| 🞎 | Status post - Valve surgery, Other, Aortic | |
| Sinus of Valsalva Aneurysm | 🞎 | Status post - Sinus of Valsalva, Aneurysm repair | |
| LV to Aorta Tunnel | 🞎 | Status post - LV to aorta tunnel repair | |
| Mitral Valve Disease | 🞎 | Status post - Valvuloplasty, Mitral | |
| 🞎 | Status post - Valvuloplasty converted to valve replacement in the same operation, Mitral | |
| 🞎 | Status post - Mitral stenosis, Supravalvar mitral ring repair | |
| 🞎 | Status post - Valve replacement, Mitral (MVR) | |
| 🞎 | Status post - Valve surgery, Other, Mitral | |
| Hypoplastic Left Heart and Related malformations | 🞎 | Status post - Norwood procedure | |
| 🞎 | Status post - HLHS biventricular repair | |
|  | 🞎 | Status post - Conduit insertion right ventricle to pulmonary artery + Intraventricular tunnel left ventricle to neoaorta + arch reconstruction (Rastelli and Norwood type arch reconstruction) (Yasui) | |
| **Hybrid** |  | 🞎 | Status post - Hybrid Approach "Stage 1", Application of RPA & LPA bands | |
| 🞎 | Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) | |
| 🞎 | Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands | |
| 🞎 | Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding) | |
| 🞎 | Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair | |
|  |  | 🞎 | Status post – Hybrid Approach, Transcardiac balloon dilatation | |
|  |  | 🞎 | Status post – Hybrid Approach, Transcardiac transcatheter device placement | |
| **Cardiomyopathy** |  | 🞎 | Status post - Transplant, Heart | |
| 🞎 | Status post - Transplant, Heart and lung | |
| 🞎 | Status post - Partial left ventriculectomy (LV volume reduction surgery) (Batista) | |
| **Pericardial Disease** |  | 🞎 | Status post - Pericardial drainage procedure | |
| 🞎 | Status post - Pericardiectomy | |
| 🞎 | Status post - Pericardial procedure, Other | |
| **Single Ventricle** |  | 🞎 | Status post - Fontan, Atrio-pulmonary connection | |
| 🞎 | Status post - Fontan, Atrio-ventricular connection | |
| 🞎 | Status post - Fontan, TCPC, Lateral tunnel, Fenestrated | |
| 🞎 | Status post - Fontan, TCPC, Lateral tunnel, Nonfenestrated | |
| 🞎 | Status post - Fontan, TCPC, External conduit, Fenestrated | |
| 🞎 | Status post - Fontan, TCPC, External conduit, Nonfenestrated | |
| 🞎 | Status post - Fontan, TCPC, Intra/extracardiac conduit, Fenestrated | |
| 🞎 | Status post - Fontan, TCPC, Intra/extracardiac conduit, Nonfenestrated | |
| 🞎 | Status post - Fontan revision or conversion (Re-do Fontan) | |
| 🞎 | Status post - Fontan, Other | |
| 🞎 | Status post - Fontan + Atrioventricular valvuloplasty | |
| 🞎 | Status post - Ventricular septation | |
| **Transposition of the Great Arteries** | Congenitally Corrected TGA | 🞎 | Status post - Congenitally corrected TGA repair, Atrial switch and ASO (double switch) | |
| 🞎 | Status post - Congenitally corrected TGA repair, Atrial switch and Rastelli | |
| 🞎 | Status post - Congenitally corrected TGA repair, VSD closure | |
| 🞎 | Status post - Congenitally corrected TGA repair, VSD closure and LV to PA conduit | |
| 🞎 | Status post - Congenitally corrected TGA repair, Other | |
| Transposition of the Great Arteries | 🞎 | Status post - Arterial switch operation (ASO) | |
| 🞎 | Status post - Arterial switch operation (ASO) and VSD repair | |
| 🞎 | Status post - Arterial switch procedure + Aortic arch repair | |
| 🞎 | Status post - Arterial switch procedure and VSD repair + Aortic arch repair | |
| 🞎 | Status post - Senning | |
| 🞎 | Status post - Mustard | |
| 🞎 | Status post - Atrial baffle procedure, Mustard or Senning revision | |
| 🞎 | Status post - Rastelli | |
| 🞎 | Status post - REV | |
| 🞎 | Status post - Aortic root translocation over left ventricle (Including Nikaidoh procedure) | |
| 🞎 | Status post - TGA, Other procedures (Kawashima, LV-PA conduit, other) | |
| **DORV** |  | 🞎 | Status post - DORV, Intraventricular tunnel repair | |
| **DOLV** |  | 🞎 | Status post - DOLV repair | |
| **Thoracic Arteries and Veins** | Coarctation of Aorta and Aortic arch hypoplasia | 🞎 | Status post - Coarctation repair, End to end | |
| 🞎 | Status post - Coarctation repair, End to end, Extended | |
| 🞎 | Status post - Coarctation repair, Subclavian flap | |
| 🞎 | Status post - Coarctation repair, Patch aortoplasty | |
| 🞎 | Status post - Coarctation repair, Interposition graft | |
| 🞎 | Status post - Coarctation repair, Other | |
| 🞎 | Status post - Coarctation repair + VSD repair | |
| 🞎 | Status post - Aortic arch repair | |
| 🞎 | Status post - Aortic arch repair + VSD repair | |
| Coronary Artery Anomalies | 🞎 | Status post - Coronary artery fistula ligation | |
| 🞎 | Status post - Anomalous origin of coronary artery from pulmonary artery repair | |
| 🞎 | Status post - Coronary artery bypass | |
| 🞎 | Status post - Anomalous aortic origin of coronary artery (AAOCA) repair | |
| 🞎 | Status post - Coronary artery procedure, Other | |
| Interrupted Arch | 🞎 | Status post - Interrupted aortic arch repair | |
| Patent Ductus Arteriosus | 🞎 | Status post - PDA closure, Surgical | |
| 🞎 | Status post - PDA closure, Device | |
| Vascular Rings and Slings | 🞎 | Status post - Vascular ring repair | |
| 🞎 | Status post - Aortopexy | |
| 🞎 | Status post - Pulmonary artery sling repair | |
| Aortic Aneurysm | 🞎 | Status post - Aortic aneurysm repair | |
| Aortic Dissection | 🞎 | Status post - Aortic dissection repair | |
| **Thoracic and Mediastinal Disease** | Lung Disease | 🞎 | Status post - Lung biopsy | |
| 🞎 | Status post - Transplant, lung(s) | |
| 🞎 | Status post - Lung procedure, Other | |
| Tracheal Stenosis | 🞎 | Status post - Tracheal procedure | |
| Chest Wall | 🞎 | Status post - Muscle flap, Trunk (i.e. intercostal, pectus, or serratus muscle) | |
| 🞎 | Status post - Muscle flap, Trunk (i.e. latissimus dorsi) | |
| 🞎 | Status post - Removal, Sternal wire | |
| 🞎 | Status post - Rib excision, Complete | |
| 🞎 | Status post - Rib excision, Partial | |
| 🞎 | Status post - Sternal fracture, Open treatment | |
| 🞎 | Status post - Sternal resection, Radical resection of the sternum | |
| 🞎 | Status post - Sternal resection, Radical resection of the sternum with mediastinal lymphadenectomy | |
| 🞎 | Status post - Tumor of chest wall, Excision including ribs | |
| 🞎 | Status post - Tumor of chest wall, Excision including ribs, With reconstruction | |
| 🞎 | Status post - Tumor of soft tissue of thorax, Excision of deep subfascial or intramuscular tumor | |
| 🞎 | Status post - Tumor of soft tissue of thorax, Excision of subcutaneous tumor | |
| 🞎 | Status post - Tumor of soft tissue of thorax, Radical resection | |
| Neck | 🞎 | Status post - Hyoid myotomy and suspension | |
| 🞎 | Status post - Muscle flap, Neck | |
| 🞎 | Status post - Procedure on neck | |
| 🞎 | Status post - Tumor of soft tissue of neck, Excision of deep subfascial or intramuscular tumor | |
| 🞎 | Status post - Tumor of soft tissue of neck, Excision of subcutaneous tumor | |
| 🞎 | Status post - Tumor of soft tissue of neck, Radical resection | |
| Pectus Excavatum, Carinatum | 🞎 | Status post - Pectus bar removal | |
| 🞎 | Status post - Pectus bar repositioning | |
| 🞎 | Status post - Pectus repair, Minimally invasive repair (Nuss), With thoracoscopy | |
| 🞎 | Status post - Pectus repair, Minimally invasive repair (Nuss), Without thoracoscopy | |
| 🞎 | Status post - Pectus repair, Open repair | |
| Thoracic Outlet | 🞎 | Status post - Division of scalenus anticus, With resection of a cervical rib | |
| 🞎 | Status post - Division of scalenus anticus, Without resection of a cervical rib | |
| 🞎 | Status post - Rib excision, Excision of a cervical rib | |
| 🞎 | Status post - Rib excision, Excision of a cervical rib, With sympathectomy | |
| 🞎 | Status post - Rib excision, Excision of first rib | |
| 🞎 | Status post - Rib excision, Excision of first rib, With sympathectomy | |
| Thorax | 🞎 | Status post - Procedure on thorax | |
| **Electrophysiological** |  | 🞎 | Status post - Pacemaker implantation, Permanent | |
| 🞎 | Status post - Pacemaker procedure | |
| 🞎 | Status post - Explantation of pacing system | |
| 🞎 | Status post - ICD (AICD) implantation | |
| 🞎 | Status post - ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure | |
| 🞎 | Status post - Arrhythmia surgery - atrial, Surgical Ablation | |
| 🞎 | Status post - Arrhythmia surgery - ventricular, Surgical Ablation | |
| **Interventional Cardiology Procedures** |  | 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Balloon dilation | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Coil implantation | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Device implantation | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Device implantation attempted | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Electrophysiological ablation | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Intravascular foreign body removal | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication) | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Septostomy | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Stent insertion | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion | |
| 🞎 | Status post - Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve | |
| **Palliative Procedures** |  | 🞎 | Status post - Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS) | |
| 🞎 | Status post - Shunt, Systemic to pulmonary, Central (shunt from aorta) | |
| 🞎 | Status post - Shunt, Systemic to pulmonary, Central (shunt from aorta) Central shunt with an end-to-side connection between the transected main pulmonary artery and the side of the ascending aorta (i.e. Mee shunt) | |
| 🞎 | Status post - Shunt, Systemic to pulmonary, Other | |
| 🞎 | Status post - Shunt, Ligation and takedown | |
| 🞎 | Status post - Shunt, Reoperation | |
| 🞎 | Status post - PA banding (PAB) | |
| 🞎 | Status post - PA debanding | |
| 🞎 | Status post - Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction) | |
| 🞎 | Status post - Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn) | |
| 🞎 | Status post - Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn) | |
| 🞎 | Status post - Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn) | |
| 🞎 | Status post - HemiFontan | |
| 🞎 | Status post - Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty | |
| 🞎 | Status post - Superior Cavopulmonary anastomosis(es) + PA reconstruction | |
| 🞎 | Status post - Hepatic vein to azygous vein connection, Direct | |
| 🞎 | Status post - Hepatic vein to azygous vein connection, Interposition graft | |
| 🞎 | Status post - Kawashima operation (superior cavopulmonary connection in setting of interrupted IVC with azygous continuation) | |
| 🞎 | Status post - Palliation, Other | |
| **Mechanical Support** |  | 🞎 | Status post - ECMO cannulation | |
| 🞎 | Status post - ECMO decannulation | |
| 🞎 | Status post - ECMO procedure | |
| 🞎 | Status post - Intraaortic balloon pump (IABP) insertion | |
| 🞎 | Status post - Right/left heart assist device procedure | |
| 🞎 | Status post - VAD explantation | |
| 🞎 | Status post - VAD implantation | |
|  |  | 🞎 | Status post - VAD change out | |
| **Anesthetic procedures** |  | 🞎 | Status post - Echocardiography procedure, Sedated transesophageal echocardiogram | |
| 🞎 | Status post - Echocardiography procedure, Sedated transthoracic echocardiogram | |
| 🞎 | Status post - Non-cardiovascular, Non-thoracic procedure on cardiac patient with cardiac anesthesia | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan) | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI) | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Diagnostic radiology | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient | |
| 🞎 | Status post - Radiology procedure on cardiac patient, Therapeutic radiology | |

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| **Miscellaneous Procedures** |  | 🞎 | Status post - Aneurysm, Ventricular, Right, Repair |
| 🞎 | Status post - Aneurysm, Ventricular, Left, Repair |
| 🞎 | Status post - Aneurysm, Pulmonary artery, Repair |
| 🞎 | Status post - Cardiac tumor resection |
| 🞎 | Status post - Pulmonary AV fistula repair/occlusion |
| 🞎 | Status post - Ligation, Pulmonary artery |
| 🞎 | Status post - Pulmonary embolectomy, Acute pulmonary embolus |
| 🞎 | Status post - Pulmonary embolectomy, Chronic pulmonary embolus |
| 🞎 | Status post - Pleural drainage procedure |
| 🞎 | Status post - Pleural procedure, Other |
| 🞎 | Status post - Ligation, Thoracic duct |
| 🞎 | Status post - Decortication |
| 🞎 | Status post - Esophageal procedure |
| 🞎 | Status post - Mediastinal procedure |
| 🞎 | Status post - Bronchoscopy |
| 🞎 | Status post - Diaphragm plication |
| 🞎 | Status post - Diaphragm procedure, Other |
| 🞎 | Status post - VATS (video-assisted thoracoscopic surgery) |
| 🞎 | Status post - Minimally invasive procedure |
| 🞎 | Status post - Bypass for noncardiac lesion |
| 🞎 | Status post - Delayed sternal closure |
| 🞎 | Status post - Mediastinal exploration |
| 🞎 | Status post - Sternotomy wound drainage |
| 🞎 | Status post - Intravascular stent removal |
| 🞎 | Status post - Thoracotomy, Other |
| 🞎 | Status post - Cardiotomy, Other |
| 🞎 | Status post - Cardiac procedure, Other |
| 🞎 | Status post - Thoracic and/or mediastinal procedure, Other |
| 🞎 | Status post - Peripheral vascular procedure, Other |
| 🞎 | Status post - Miscellaneous procedure, Other |
| 🞎 | Status post - Other procedure |

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| **PROCEDURES** | | | |
| Select **ALL** procedures that apply. (↓)  Procedure (930) | | | Circle the **ONE** PRIMARY procedure for this operation.  PrimProc (940) |
| **Septal Defects** | ASD | 🞎 | PFO, Primary closure |
| 🞎 | ASD repair, Primary closure |
| 🞎 | ASD repair, Patch |
| 🞎 | ASD repair, Device |
| 🞎 | ASD repair, Patch + PAPVC repair |
| 🞎 | ASD, Common atrium (single atrium), Septation |
| 🞎 | ASD creation/enlargement |
| 🞎 | ASD partial closure |
| 🞎 | Atrial septal fenestration |
| 🞎 | Atrial fenestration closure |
| VSD | 🞎 | VSD repair, Primary closure |
| 🞎 | VSD repair, Patch |
| 🞎 | VSD repair, Device |
| 🞎 | VSD, Multiple, Repair |
| 🞎 | VSD creation/enlargement |
| 🞎 | Ventricular septal fenestration |
| AV Canal | 🞎 | AVC (AVSD) repair, Complete (CAVSD) |
| 🞎 | AVC (AVSD) repair, Intermediate (Transitional) |
| 🞎 | AVC (AVSD) repair, Partial (Incomplete) (PAVSD) |
| 🞎 | Valvuloplasty, Common atrioventricular valve |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve |
| 🞎 | Valve replacement, Common atrioventricular valve |
| AP Window | 🞎 | AP window repair |
| 🞎 | Pulmonary artery origin from ascending aorta (hemitruncus) repair |
| Truncus Arteriosus | 🞎 | Truncus arteriosus repair |
| 🞎 | Valvuloplasty, Truncal valve |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Truncal valve |
| 🞎 | Valve replacement, Truncal valve |
| 🞎 | Truncus + Interrupted aortic arch repair (IAA) repair |
| **Pulmonary Venous Anomalies** | Partial Anomalous Pulmonary Venous Connection | 🞎 | PAPVC repair |
| 🞎 | PAPVC, Scimitar, Repair |
| 🞎 | PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage) |
| Total Anomalous Pulmonary Venous Connection | 🞎 | TAPVC repair |
| 🞎 | TAPVC repair + Shunt - systemic-to-pulmonary |
| **Cor Triatriatum** |  | 🞎 | Cor triatriatum repair |
| **Pulmonary Venous Stenosis** |  | 🞎 | Pulmonary venous stenosis repair |
| **Systemic Venous Anomalies** | Anomalous Systemic Venous Connection | 🞎 | Atrial baffle procedure (non-Mustard, non-Senning) |
| 🞎 | Anomalous systemic venous connection repair |
| Systemic venous obstruction | 🞎 | Systemic venous stenosis repair |
| **Right Heart Lesions** | Tetralogy of Fallot | 🞎 | TOF repair, No Ventriculotomy |
| 🞎 | TOF repair, Ventriculotomy, Nontransanular patch |
| 🞎 | TOF repair, Ventriculotomy, Transanular patch |
| 🞎 | TOF repair, RV-PA conduit |
| 🞎 | TOF - AVC (AVSD) repair |
| 🞎 | TOF - Absent pulmonary valve repair |
| Pulmonary Atresia/VSD | 🞎 | Pulmonary atresia - VSD (including TOF, PA) repair |
| 🞎 | Pulmonary atresia - VSD – MAPCA repair, Complete single stage repair (1 stage that includes bilateral pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit]) |
| 🞎 | Pulmonary atresia - VSD – MAPCA repair, Status post prior complete unifocalization (includes VSD closure + RV to PA connection [with or without conduit]) |
| 🞎 | Pulmonary atresia - VSD – MAPCA repair, Status post prior incomplete unifocalization (includes completion of pulmonary unifocalization + VSD closure + RV to PA connection [with or without conduit]) |
| 🞎 | Unifocalization MAPCA(s), Bilateral pulmonary unifocalization - Complete unifocalization (all usable MAPCA[s] are incorporated) |
| 🞎 | Unifocalization MAPCA(s), Bilateral pulmonary unifocalization - Incomplete unifocalization (not all usable MAPCA[s] are incorporated) |
| 🞎 | Unifocalization MAPCA(s), Unilateral pulmonary unifocalization |
| 🞎 | Unifocalization MAPCA(s) |
|  | 🞎 | Occlusion of MAPCA(s) |
| Tricuspid Valve Disease and Ebstein’s Anomaly | 🞎 | Valvuloplasty, Tricuspid |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Tricuspid |
| 🞎 | Ebstein's repair |
| 🞎 | Valve replacement, Tricuspid (TVR) |
| 🞎 | Valve closure, Tricuspid (exclusion, univentricular approach) |
| 🞎 | Valve excision, Tricuspid (without replacement) |
| 🞎 | Valve surgery, Other, Tricuspid |
| RVOT Obstruction, IVS Pulmonary Stenosis | 🞎 | RVOT procedure |
| 🞎 | 1 1/2 ventricular repair |
| 🞎 | PA, reconstruction (plasty), Main (trunk) |
| 🞎 | PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation) |
| 🞎 | PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation) |
| 🞎 | DCRV repair |
| Pulmonary Valve Disease | 🞎 | Valvuloplasty, Pulmonic |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Pulmonic |
| 🞎 | Valve replacement, Pulmonic (PVR) |
| 🞎 | Valve excision, Pulmonary (without replacement) |
| 🞎 | Valve closure, Semilunar |
| 🞎 | Valve surgery, Other, Pulmonic |
| **Conduit operations** | Conduit operations | 🞎 | Conduit placement, RV to PA |
| 🞎 | Conduit placement, LV to PA |
| 🞎 | Conduit placement, Ventricle to aorta |
| 🞎 | Conduit placement, Other |
| Conduit Stenosis / Insufficiency | 🞎 | Conduit reoperation |
| **Left Heart Lesions** | Aortic Valve Disease | 🞎 | Valvuloplasty, Aortic |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Aortic |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross-Konno procedure |
| 🞎 | Valve replacement, Aortic (AVR) |
| 🞎 | Valve replacement, Aortic (AVR), Mechanical |
| 🞎 | Valve replacement, Aortic (AVR), Bioprosthetic |
| 🞎 | Valve replacement, Aortic (AVR), Homograft |
| 🞎 | Aortic root replacement, Bioprosthetic |
| 🞎 | Aortic root replacement, Mechanical |
| 🞎 | Aortic root replacement, Homograft |
| 🞎 | Aortic root replacement, Valve sparing |
| 🞎 | Ross procedure |
| 🞎 | Konno procedure |
| 🞎 | Ross-Konno procedure |
| 🞎 | Other annular enlargement procedure |
| 🞎 | Aortic stenosis, Subvalvar, Repair |
| 🞎 | Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS |
| 🞎 | Aortic stenosis, Supravalvar, Repair |
| 🞎 | Valve surgery, Other, Aortic |
| Sinus of Valsalva Aneurysm | 🞎 | Sinus of Valsalva, Aneurysm repair |
| LV to Aorta Tunnel | 🞎 | LV to aorta tunnel repair |
| Mitral Valve Disease | 🞎 | Valvuloplasty, Mitral |
| 🞎 | Valvuloplasty converted to valve replacement in the same operation, Mitral |
| 🞎 | Mitral stenosis, Supravalvar mitral ring repair |
| 🞎 | Valve replacement, Mitral (MVR) |
| 🞎 | Valve surgery, Other, Mitral |
| Hypoplastic Left Heart and Related malformations | 🞎 | Norwood procedure |
| 🞎 | HLHS biventricular repair |
|  | 🞎 | Conduit insertion right ventricle to pulmonary artery + Intraventricular tunnel left ventricle to neoaorta + arch reconstruction (Rastelli and Norwood type arch reconstruction) (Yasui) |
| **Hybrid** |  | 🞎 | Hybrid Approach "Stage 1", Application of RPA & LPA bands |
| 🞎 | Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) |
| 🞎 | Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands |
| 🞎 | Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding) |
| 🞎 | Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair |
|  | 🞎 | Hybrid Approach, Transcardiac balloon dilatation |
| 🞎 | Hybrid Approach, Transcardiac transcatheter device placement |
| **Cardiomyopathy** |  | 🞎 | Transplant, Heart |
| 🞎 | Transplant, Heart and lung |
| 🞎 | Partial left ventriculectomy (LV volume reduction surgery) (Batista) |
| **Pericardial Disease** |  | 🞎 | Pericardial drainage procedure |
| 🞎 | Pericardiectomy |
| 🞎 | Pericardial procedure, Other |
| **Single Ventricle** |  | 🞎 | Fontan, Atrio-pulmonary connection |
| 🞎 | Fontan, Atrio-ventricular connection |
| 🞎 | Fontan, TCPC, Lateral tunnel, Fenestrated |
| 🞎 | Fontan, TCPC, Lateral tunnel, Nonfenestrated |
| 🞎 | Fontan, TCPC, External conduit, Fenestrated |
| 🞎 | Fontan, TCPC, External conduit, Nonfenestrated |
| 🞎 | Fontan, TCPC, Intra/extracardiac conduit, Fenestrated |
| 🞎 | Fontan, TCPC, Intra/extracardiac conduit, Nonfenestrated |
| 🞎 | Fontan revision or conversion (Re-do Fontan) |
| 🞎 | Fontan, Other |
| 🞎 | Fontan + Atrioventricular valvuloplasty |
| 🞎 | Ventricular septation |
| **Transposition of the Great Arteries** | Congenitally Corrected TGA | 🞎 | Congenitally corrected TGA repair, Atrial switch and ASO (double switch) |
| 🞎 | Congenitally corrected TGA repair, Atrial switch and Rastelli |
| 🞎 | Congenitally corrected TGA repair, VSD closure |
| 🞎 | Congenitally corrected TGA repair, VSD closure and LV to PA conduit |
| 🞎 | Congenitally corrected TGA repair, Other |
| Transposition of the Great Arteries | 🞎 | Arterial switch operation (ASO) |
| 🞎 | Arterial switch operation (ASO) and VSD repair |
| 🞎 | Arterial switch procedure + Aortic arch repair |
| 🞎 | Arterial switch procedure and VSD repair + Aortic arch repair |
| 🞎 | Senning |
| 🞎 | Mustard |
| 🞎 | Atrial baffle procedure, Mustard or Senning revision |
| 🞎 | Rastelli |
| 🞎 | REV |
| 🞎 | Aortic root translocation over left ventricle (Including Nikaidoh procedure) |
| 🞎 | TGA, Other procedures (Kawashima, LV-PA conduit, other) |
| **DORV** |  | 🞎 | DORV, Intraventricular tunnel repair |
| **DOLV** |  | 🞎 | DOLV repair |
| **Thoracic Arteries and Veins** | Coarctation of Aorta and Aortic arch hypoplasia | 🞎 | Coarctation repair, End to end |
| 🞎 | Coarctation repair, End to end, Extended |
| 🞎 | Coarctation repair, Subclavian flap |
| 🞎 | Coarctation repair, Patch aortoplasty |
| 🞎 | Coarctation repair, Interposition graft |
| 🞎 | Coarctation repair, Other |
| 🞎 | Coarctation repair + VSD repair |
| 🞎 | Aortic arch repair |
| 🞎 | Aortic arch repair + VSD repair |
| Coronary Artery Anomalies | 🞎 | Coronary artery fistula ligation |
| 🞎 | Anomalous origin of coronary artery from pulmonary artery repair |
| 🞎 | Coronary artery bypass |
| 🞎 | Anomalous aortic origin of coronary artery (AAOCA) repair |
| 🞎 | Coronary artery procedure, Other |
| Interrupted Arch | 🞎 | Interrupted aortic arch repair |
| Patent Ductus Arteriosus | 🞎 | PDA closure, Surgical |
| 🞎 | PDA closure, Device |
| Vascular Rings and Slings | 🞎 | Vascular ring repair |
| 🞎 | Aortopexy |
| 🞎 | Pulmonary artery sling repair |
| Aortic Aneurysm | 🞎 | Aortic aneurysm repair |
| Aortic Dissection | 🞎 | Aortic dissection repair |
| **Thoracic and Mediastinal Disease** | Lung Disease | 🞎 | Lung biopsy |
| 🞎 | Transplant, lung(s) |
| 🞎 | Lung procedure, Other |
| Tracheal Stenosis | 🞎 | Tracheal procedure |
| Chest Wall | 🞎 | Muscle flap, Trunk (i.e. intercostal, pectus, or serratus muscle) |
| 🞎 | Muscle flap, Trunk (i.e. latissimus dorsi) |
| 🞎 | Removal, Sternal wire |
| 🞎 | Rib excision, Complete |
| 🞎 | Rib excision, Partial |
| 🞎 | Sternal fracture, Open treatment |
| 🞎 | Sternal resection, Radical resection of the sternum |
| 🞎 | Sternal resection, Radical resection of the sternum with mediastinal lymphadenectomy |
| 🞎 | Tumor of chest wall, Excision including ribs |
| 🞎 | Tumor of chest wall, Excision including ribs, With reconstruction |
| 🞎 | Tumor of soft tissue of thorax, Excision of deep subfascial or intramuscular tumor |
| 🞎 | Tumor of soft tissue of thorax, Excision of subcutaneous tumor |
| 🞎 | Tumor of soft tissue of thorax, Radical resection |
|  |
| Neck | 🞎 | Hyoid myotomy and suspension |
| 🞎 | Muscle flap, Neck |
| 🞎 | Procedure on neck |
| 🞎 | Tumor of soft tissue of neck, Excision of deep subfascial or intramuscular tumor |
| 🞎 | Tumor of soft tissue of neck, Excision of subcutaneous tumor |
| 🞎 | Tumor of soft tissue of neck, Radical resection |
| Pectus Excavatum, Carinatum | 🞎 | Pectus bar removal |
| 🞎 | Pectus bar repositioning |
| 🞎 | Pectus repair, Minimally invasive repair (Nuss), With thoracoscopy |
| 🞎 | Pectus repair, Minimally invasive repair (Nuss), Without thoracoscopy |
| 🞎 | Pectus repair, Open repair |
| Thoracic Outlet | 🞎 | Division of scalenus anticus, With resection of a cervical rib |
| 🞎 | Division of scalenus anticus, Without resection of a cervical rib |
| 🞎 | Rib excision, Excision of a cervical rib |
| 🞎 | Rib excision, Excision of a cervical rib, With sympathectomy |
| 🞎 | Rib excision, Excision of first rib |
| 🞎 | Rib excision, Excision of first rib, With sympathectomy |
| Thorax | 🞎 | Procedure on thorax |
| **Electrophysiological** |  | 🞎 | Pacemaker implantation, Permanent |
| 🞎 | Pacemaker procedure |
| 🞎 | Explantation of pacing system |
| 🞎 | ICD (AICD) implantation |
| 🞎 | ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure |
| 🞎 | Arrhythmia surgery - atrial, Surgical Ablation |
| 🞎 | Arrhythmia surgery - ventricular, Surgical Ablation |
| **Interventional Cardiology Procedures** |  | 🞎 | Cardiovascular catheterization procedure, Diagnostic |
| 🞎 | Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained |
| 🞎 | Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration |
| 🞎 | Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration |
| 🞎 | Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained |
| 🞎 | Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Balloon dilation |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Coil implantation |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Device implantation |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Device implantation attempted |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Electrophysiological ablation |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Intravascular foreign body removal |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication) |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Septostomy |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Stent insertion |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion |
| 🞎 | Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve |
| **Palliative Procedures** |  | 🞎 | Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS) |
| 🞎 | Shunt, Systemic to pulmonary, Central (shunt from aorta) |
| 🞎 | Shunt, Systemic to pulmonary, Central (shunt from aorta) Central shunt with an end-to-side connection between the transected main pulmonary artery and the side of the ascending aorta (i.e. Mee shunt) |
| 🞎 | Shunt, Systemic to pulmonary, Other |
| 🞎 | Shunt, Ligation and takedown |
| 🞎 | Shunt, Reoperation |
| 🞎 | PA banding (PAB) |
| 🞎 | PA debanding |
| 🞎 | Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction) |
| 🞎 | Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn) |
| 🞎 | Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn) |
| 🞎 | Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn) |
| 🞎 | HemiFontan |
| 🞎 | Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty |
| 🞎 | Superior Cavopulmonary anastomosis(es) + PA reconstruction |
| 🞎 | Hepatic vein to azygous vein connection, Direct |
| 🞎 | Hepatic vein to azygous vein connection, Interposition graft |
| 🞎 | Kawashima operation (superior cavopulmonary connection in setting of interrupted IVC with azygous continuation) |
| 🞎 | Palliation, Other |
| **Mechanical Support** |  | 🞎 | ECMO cannulation |
| 🞎 | ECMO decannulation |
| 🞎 | ECMO procedure |
| 🞎 | Intraaortic balloon pump (IABP) insertion |
| 🞎 | Right/left heart assist device procedure |
| 🞎 | VAD explantation |
| 🞎 | VAD implantation |
|  |  | 🞎 | VAD change out |
| **Anesthetic procedures** |  | 🞎 | Echocardiography procedure, Sedated transesophageal echocardiogram |
| 🞎 | Echocardiography procedure, Sedated transthoracic echocardiogram |
| 🞎 | Non-cardiovascular, Non-thoracic procedure on cardiac patient with cardiac anesthesia |
| 🞎 | Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan) |
| 🞎 | Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI) |
| 🞎 | Radiology procedure on cardiac patient, Diagnostic radiology |
| 🞎 | Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient |
| 🞎 | Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient |
| 🞎 | Radiology procedure on cardiac patient, Therapeutic radiology |

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| **Miscellaneous Procedures** |  | 🞎 | Aneurysm, Ventricular, Right, Repair |
| 🞎 | Aneurysm, Ventricular, Left, Repair |
| 🞎 | Aneurysm, Pulmonary artery, Repair |
| 🞎 | Cardiac tumor resection |
| 🞎 | Pulmonary AV fistula repair/occlusion |
| 🞎 | Ligation, Pulmonary artery |
| 🞎 | Pulmonary embolectomy, Acute pulmonary embolus |
| 🞎 | Pulmonary embolectomy, Chronic pulmonary embolus |
| 🞎 | Pleural drainage procedure |
| 🞎 | Pleural procedure, Other |
| 🞎 | Ligation, Thoracic duct |
| 🞎 | Decortication |
| 🞎 | Esophageal procedure |
| 🞎 | Mediastinal procedure |
| 🞎 | Bronchoscopy |
| 🞎 | Diaphragm plication |
| 🞎 | Diaphragm procedure, Other |
| 🞎 | VATS (video-assisted thoracoscopic surgery) |
| 🞎 | Minimally invasive procedure |
| 🞎 | Bypass for noncardiac lesion |
| 🞎 | Delayed sternal closure |
| 🞎 | Mediastinal exploration |
| 🞎 | Sternotomy wound drainage |
| 🞎 | Intravascular stent removal |
| 🞎 | Thoracotomy, Other |
| 🞎 | Cardiotomy, Other |
| 🞎 | Cardiac procedure, Other |
| 🞎 | Thoracic and/or mediastinal procedure, Other |
| 🞎 | Peripheral vascular procedure, Other |
| 🞎 | Miscellaneous procedure, Other |
| 🞎 | Organ procurement |
|  |  | 🞎 | Other procedure |
| **Operation Canceled or Aborted** | Canceled operation | 🞎 | Operation canceled before skin incision |
|  | Aborted operation | 🞎 | Operation aborted after skin incision |

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| **PROCEDURE SPECIFIC FACTORS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Indicate if any of the following is the Primary procedure** PSFPrimProc (949)  🞎 None of the listed procedures below *(if none, skip to Operative section)* | | | | | | | | | | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 VSD repair, Primary closure | | | | | | | | | | | | 🞎 VSD repair, Patch | | | | | | | | | | | | 🞎 VSD repair, Device | | | | | | | | | | | |  | Apical VSD PSFApicalVSD (950) | | | | | | | | 🞎 Yes 🞎 No | | |  | Straddling AV valve PSFStradAVVal (951) | | | | | | | | 🞎 Yes 🞎 No | | | *If the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 TOF - AVC (AVSD) repair | | | | | | | | | | | |  | | Major coronary crossing RVOT - Coronary anomaly restricting RVOT enlargement PSFMajCorRVOT(952) | | | | | | | | 🞎 Yes 🞎 No | |  | | VSD, Multiple, Repair PSFVSDMultRep (953) | | | | | | | | 🞎 Yes 🞎 No | |  | | Restrictive VSD PSFRestrictVSD (954) | | | | | | | | 🞎 Yes 🞎 No | |  | | Hypoplastic branch pulmonary arteries (diminished pulmonary vascular bed) PSFHypoBrPulmArt (955) | | | | | | | | 🞎 Yes 🞎 No | |  | | AV Valve regurgitation grade 3 and 4 (Severe AV Valve regurgitation) PSFAVRegurg34 (956) | | | | | | | | 🞎 Yes 🞎 No | |  | | Double orifice left atrioventricular valve PSFDoubOrif (957) | | | | | | | | 🞎 Yes 🞎 No | |  | | Single papillary muscle in the left ventricle and/or parachute left atrioventricular valve PSFSingPap (958) | | | | | | | | 🞎 Yes 🞎 No | |  | | Hypoplastic posterior mural leaflet PSFHypoPostMLeaf (959) | | | | | | | | 🞎 Yes 🞎 No | |  | | Atrioventricular septal defect with ventricular imbalance: dominant left ventricle, hypoplastic right ventricle  PSFASDomLeft (960) | | | | | | | | 🞎 Yes 🞎 No | |  | | Atrioventricular septal defect with ventricular imbalance: dominant right ventricle, hypoplastic left ventricle  PSFASDDomRight (961) | | | | | | | | 🞎 Yes 🞎 No | |  | | Common atrioventricular valve with unbalanced commitment of valve to left ventricle PSFCAVLeft (962) | | | | | | | | 🞎 Yes 🞎 No | |  | | Common atrioventricular valve with unbalanced commitment of valve to right ventricle PSFCAVRight (963) | | | | | | | | 🞎 Yes 🞎 No | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 TOF repair, No ventriculotomy | | | | | | | | | | | | 🞎 TOF repair, Ventriculotomy, Nontransanular patch | | | | | | | | | | | | 🞎 TOF repair, Ventriculotomy, Transanular patch | | | | | | | | | | | | 🞎 TOF repair, RV-PA conduit | | | | | | | | | | | | 🞎 TOF - Absent pulmonary valve repair | | | | | | | | | | | | 🞎 Pulmonary atresia - VSD - MAPCA repair, Complete single stage repair (1-stage that includes bilateral pulmonary unifocalization +  VSD closure + RV to PA connection [with or without conduit]) | | | | | | | | | | | | 🞎 Pulmonary atresia - VSD - MAPCA repair, Status post prior complete unifocalization (includes VSD closure + RV to PA connection  [with or without conduit]) | | | | | | | | | | | | 🞎 Pulmonary atresia - VSD - MAPCA repair, Status post prior incomplete unifocalizarion (includes completion of pulmonary  unifocalization + VSD closure + RV to PA connection [with or without conduit]) | | | | | | | | | | | | 🞎 Pulmonary atresia - VSD (including TOF, PA) repair | | | | | | | | | | | |  | Major coronary crossing RVOT - Coronary anomaly restricting RVOT enlargement PSFMajCorRVOT(952) | | | | | | | | 🞎 Yes 🞎 No | | |  | VSD, Multiple, Repair PSFVSDMultRep (953) | | | | | | | | 🞎 Yes 🞎 No | | |  | Restrictive VSD PSFRestrictVSD (954) | | | | | | | | 🞎 Yes 🞎 No | | |  | Hypoplastic branch pulmonary arteries (diminished pulmonary vascular bed) PSFHypoBrPulmArt (955) | | | | | | | | 🞎 Yes 🞎 No | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 AVC (AVSD) repair, Complete (CAVSD) | | | | | | | | |  | | |  | AV Valve regurgitation grade 3 and 4 (Severe AV Valve regurgitation) PSFAVRegurg34 (956) | | | | | | | | 🞎 Yes 🞎 No | | |  | Double orifice left atrioventricular valve PSFDoubOrif (957) | | | | | | | | 🞎 Yes 🞎 No | | |  | Single papillary muscle in the left ventricle and/or parachute left atrioventricular valve PSFSingPap (958) | | | | | | | | 🞎 Yes 🞎 No | | |  | Hypoplastic posterior mural leaflet PSFHypoPostMLeaf (959) | | | | | | | | 🞎 Yes 🞎 No | | |  | Atrioventricular septal defect with ventricular imbalance: dominant left ventricle and hypoplastic right ventricle PSFASDomLeft (960) | | | | | | | | 🞎 Yes 🞎 No | | |  | Atrioventricular septal defect with ventricular imbalance: dominant right ventricle and hypoplastic left ventricle PSFASDDomRight (961) | | | | | | | | 🞎 Yes 🞎 No | | |  | Common atrioventricular valve with unbalanced commitment of valve to left ventricle PSFCAVLeft (962) | | | | | | | | 🞎 Yes 🞎 No | | |  | Common atrioventricular valve with unbalanced commitment of valve to right ventricle PSFCAVRight (963) | | | | | | | | 🞎 Yes 🞎 No | | |  |  | | | | | | | |  | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn) | | | | | | | | | | | | 🞎 Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn) | | | | | | | | | | | | 🞎 Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn) | | | | | | | | | | | | 🞎 HemiFontan | | | | | | | | | | | | 🞎 Superior Cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty | | | | | | | | | | | | 🞎 Superior Cavopulmonary anastomosis(es) + PA reconstruction | | | | | | | | | | | |  | AV Valve regurgitation grade 3 and 4 (Severe AV Valve regurgitation) PSFAVRegurg34 (956) | | | | | | | | 🞎 Yes 🞎 No | | |  | Moderate to severe systemic ventricular dysfunction PSFModSevSVD (964) | | | | | | | | 🞎 Yes 🞎 No | | |  | Hypoplastic branch pulmonary arteries (diminished pulmonary vascular bed) PSFHypoBrPulmArt (955) | | | | | | | | 🞎 Yes 🞎 No | | |  | Systemic ventricular outflow tract obstruction (subaortic obstruction) PSFSysVentObs (965) | | | | | | | | 🞎 Yes 🞎 No | | |  | Ventricular dominance PSFVentDom(966): | | | | 🞎 Left Ventricular dominance | | |  |  | | |  |  | | | | 🞎 Right Ventricular dominance | | |  |  | | |  |  | | | | 🞎 Balanced | | |  |  | | |  |  | | | | 🞎 Indeterminate Ventricular dominance | | |  |  | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Fontan, Atrio-pulmonary connection | | | | | | | | | | | | 🞎 Fontan, Atrio-ventricular connection | | | | | | | | | | | | 🞎 Fontan, TCPC, Lateral tunnel, Fenestrated | | | | | | | | | | | | 🞎 Fontan, TCPC, Lateral tunnel, Nonfenestrated | | | | | | | | | | | | 🞎 Fontan, TCPC, External conduit, Fenestrated | | | | | | | | | | | | 🞎 Fontan, TCPC, External conduit, Nonfenestrated | | | | | | | | | | | | 🞎 Fontan, TCPC, Intra/extracardiac conduit, Fenestrated | | | | | | | | | | | | 🞎 Fontan, TCPC, Intra/extracardiac conduit, Nonfenestrated | | | | | | | | | | | | 🞎 Fontan, Other | | | | | | | | | | | | 🞎 Fontan + Atrioventricular valvuloplasty | | | | | | | | | | | | 🞎 Fontan revision or conversion (Re-do Fontan) | | | | | | | | | | | |  | | | AV Valve regurgitation grade 3 and 4 (Severe AV Valve regurgitation) PSFAVRegurg34 (956) | | | | | | 🞎 Yes 🞎 No | | |  | | | Moderate to severe systemic ventricular dysfunction PSFModSevSVD (964) | | | | | | 🞎 Yes 🞎 No | | |  | | | Hypoplastic branch pulmonary arteries (diminished pulmonary vascular bed) PSFHypoBrPulmArt (955) | | | | | | 🞎 Yes 🞎 No | | |  | | | Systemic ventricular outflow tract obstruction (subaortic obstruction) PSFSysVentObs (965) | | | | | | 🞎 Yes 🞎 No | | |  | | | Ventricular dominance PSFVentDom(966): | | | 🞎 Left Ventricular dominance | | |  | | |  | | |  | | | 🞎 Right Ventricular dominance | | |  | | |  | | |  | | | 🞎 Balanced | | |  | | |  | | |  | | | 🞎 Indeterminate Ventricular dominance | | |  | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Arterial switch operation (ASO) | | | | | | | | | | | | 🞎 Arterial switch procedure + Aortic arch repair | | | | | | | | | | | |  | | | Posterior coronary loop: circumflex coming off the RCA PSFPostLoopCirc (970) | | | | | | 🞎 Yes 🞎 No | | |  | | | Posterior coronary loop: left trunk coming off the RCA PSFPostLoopLeftTrunc (971) | | | | | | 🞎 Yes 🞎 No | | |  | | | Double coronary loops: inverted origin of right & left coronary arteries PSFDoubleLoops (972) | | | | | | 🞎 Yes 🞎 No | | |  | | | Single coronary ostium PSFSingOst (973) | | | | | | 🞎 Yes 🞎 No | | |  | | | Intramural coronary PSFIntramuralCor (974) | | | | | | 🞎 Yes 🞎 No | | |  | | | Large infundibular coronary artery from LAD PSFLgInfundArt (975) | | | | | | 🞎 Yes 🞎 No | | |  | | | Malaligned commissures PSFMalComm (976) | | | | | | 🞎 Yes 🞎 No | | |  | | | Take down of a commissure PSFTakeDownComm (977) | | | | | | 🞎 Yes 🞎 No | | |  | | | Aorto-pulmonary diameter mismatch PSFAortoPulMis (978) | | | | | | 🞎 Yes 🞎 No | | |  | | | Side by side vessels PSFSidebySide (979) | | | | | | 🞎 Yes 🞎 No | | |  | | | Posterior native aorta PSFPostNatAorta (980) | | | | | | 🞎 Yes 🞎 No | | |  | | | Subaortic obstruction/ conal septum malalignment PSFSubAObs (981) | | | | | | 🞎 Yes 🞎 No | | |  | | | Bicuspid native aortic valve (Bicuspid neopulmonary valve) PSFBicusNatAortic (982) | | | | | | 🞎 Yes 🞎 No | | |  | | | Bicuspid native pulmonary valve (Bicuspid neoaortic valve) PSFBicusNatPulm (983) | | | | | | 🞎 Yes 🞎 No | | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Arterial switch operation (ASO) and VSD repair | | | | | | | | | | | | 🞎 Arterial switch procedure and VSD repair + Aortic arch repair | | | | | | | | | | | |  | | | | Posterior coronary loop: circumflex coming off the RCA PSFPostLoopCirc (970) | | | | | | 🞎 Yes 🞎 No | |  | | | | Posterior coronary loop: left trunk coming off the RCA PSFPostLoopLeftTrunc (971) | | | | | | 🞎 Yes 🞎 No | |  | | | | Double coronary loops: inverted origin of right & left coronary arteries PSFDoubleLoops (972) | | | | | | 🞎 Yes 🞎 No | |  | | | | Single coronary ostium PSFSingOst (973) | | | | | | 🞎 Yes 🞎 No | |  | | | | Intramural coronary PSFIntramuralCor (974) | | | | | | 🞎 Yes 🞎 No | |  | | | | Large infundibular coronary artery from LAD PSFLgInfundArt (975) | | | | | | 🞎 Yes 🞎 No | |  | | | | Malaligned commissures PSFMalComm (976) | | | | | | 🞎 Yes 🞎 No | |  | | | | Take down of a commissure PSFTakeDownComm (977) | | | | | | 🞎 Yes 🞎 No | |  | | | | Aorto-pulmonary diameter mismatch PSFAortoPulMis (978) | | | | | | 🞎 Yes 🞎 No | |  | | | | Side by side vessels PSFSidebySide (979) | | | | | | 🞎 Yes 🞎 No | |  | | | | Posterior native aorta PSFPostNatAorta (980) | | | | | | 🞎 Yes 🞎 No | |  | | | | Subaortic obstruction/ conal septum malalignment PSFSubAObs (981) | | | | | | 🞎 Yes 🞎 No | |  | | | | Bicuspid native aortic valve (Bicuspid neopulmonary valve) PSFBicusNatAortic (982) | | | | | | 🞎 Yes 🞎 No | |  | | | | Bicuspid native pulmonary valve (Bicuspid neoaortic valve) PSFBicusNatPulm (983) | | | | | | 🞎 Yes 🞎 No | |  | | | | Apical VSD PSFApicalVSD (950) | | | | | | 🞎 Yes 🞎 No | |  | | | | Straddling AV valve PSFStradAVVal (951) | | | | | | 🞎 Yes 🞎 No | | *If one of the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Truncus arteriosus repair | | | | | | | | | | | | 🞎 Truncus + Interrupted aortic arch repair (IAA) repair | | | | | | | | | | | |  | | | | Truncus type 3 ( PA Branches from PDA or descending aorta) PSFTruncType3 (984) | | | | | | 🞎 Yes 🞎 No | |  | | | | Abnormal coronary PSFAbnormalCor (985) | | | | | | 🞎 Yes 🞎 No | |  | | | | Truncal valve regurgitation (moderate to severe) PSFTruncValRegurg (986) | | | | | | 🞎 Yes 🞎 No | | *If the following is the Primary procedure, specify whether the procedure specific factors apply* | | | | | | | | | | | | 🞎 Norwood procedure | | | | | | | | | | | |  | | | | Source of pulmonary blood flow: Shunt - systemic artery-to-pulmonary artery PSFSrcPulFloShuntSys (987) | | | | | | 🞎 Yes 🞎 No | |  | | | | Source of pulmonary blood flow: Shunt - ventricle-to-pulmonary artery PSFSrcPulFloShuntVent (988) | | | | | | 🞎 Yes 🞎 No | |  | | | | Source of pulmonary blood flow: Superior caval vein-to-pulmonary artery PSFSrcPulFloSuper (989) | | | | | | 🞎 Yes 🞎 No | |  | | | | Ascending aorta < 2 mm PSFAscAortaLT2 (990) | | | | | | 🞎 Yes 🞎 No | |  | | | | Aortic atresia PSFAortAtresia (991) | | | | | | 🞎 Yes 🞎 No | |  | | | | Aortic stenosis PSFAortSten (992) | | | | | | 🞎 Yes 🞎 No | |  | | | | Mitral atresia PSFMitralAtresia (993) | | | | | | 🞎 Yes 🞎 No | |  | | | | Mitral stenosis PSFMitralSten (994) | | | | | | 🞎 Yes 🞎 No | |  | | | | Sinusoids PSFSinusoids (995) | | | | | | 🞎 Yes 🞎 No | |  | | | | Intact atrial septum PSFIntactAtrSep (996) | | | | | | 🞎 Yes 🞎 No | |  | | | | Obstructed pulmonary venous return with severely restrictive ASD PSFObsPulVenRet (997) | | | | | | 🞎 Yes 🞎 No | |  | | | | AV Valve regurgitation grade 3 and 4 (Severe AV Valve regurgitation) PSFAVRegurg34 (956) | | | | | | 🞎 Yes 🞎 No | |  | | | | Aberrant right subclavian artery PSFAberrantRtSubclav (998) | | | | | | 🞎 Yes 🞎 No | |  | | | | Ventricular dominance PSFVentDom(966): | | | 🞎 Left Ventricular dominance | | |  | |  | | | |  | | | 🞎 Right Ventricular dominance | | |  | |  | | | |  | | | 🞎 Balanced | | |  | |  | | | |  | | | 🞎 Indeterminate Ventricular dominance | | |  | | | | | | | | | | | | | | | | | | | | | 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|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **OPERATIVE** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Procedure Location:** ProcLoc (1000) | | | | | | | | | | | | | | | | | 🞎 Cardiac OR | | | | | | | | | | | | 🞎 ICU | | | | | | | | | 🞎 SICU | | | | | | | |
| 🞎 General OR | | | | | | | | | | | | 🞎 CVICU | | | | | | | | | 🞎 Radiology Suite | | | | | | | |
| 🞎 Hybrid Suite | | | | | | | | | | | | 🞎 NICU | | | | | | | | | 🞎 Procedure Room | | | | | | | |
| 🞎 Cath lab | | | | | | | | | | | | 🞎 PICU | | | | | | | | | 🞎 Other | | | | | | | |
| **Status:** Status (1001) | | | | | | | | | | | | | | | | | 🞎 Elective | | | | | | | | | | | | 🞎 Urgent | | | | | | | | | 🞎 Emergent | | | | | | 🞎 Salvage | |
| **Operation Type**: OpType (1002) | | | | | | | | | | | | | | | | | 🞎 CPB | | | | | | | | | | 🞎 No CPB Cardiovascular | | | | | | | | | | | | | | | | | 🞎 ECMO | |
| 🞎 Thoracic | | | | | | | | | | 🞎 Interventional Cardiology | | | | | | | | | | | | | | | | | 🞎 VAD w/ CPB | |
| 🞎 VAD w/out CPB | | | | | | | | | | 🞎 NonCardiac/NonThoracic Procedure w/ Anesthesia | | | | | | | | | | | | | | | | | 🞎 Other | |
| **Near InfraredSpectroscopy (NIRS) Cerebral Metrics Used:** NIRSCerUsed (1005) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
| *If NIRSCerUsed is Yes→* | | | | | | | | | | | | | | | | | | | | | | NIRS Cerebral Metrics Used Preoperatively NIRSCerPre (1006) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | | | | | | | | | | | | | | | | | | | | NIRS Cerebral Metrics Used Intraoperatively NIRSCerIntra (1007) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | | | | | | | | | | | | | | | | | | | | NIRS Cerebral Metrics Used Postoperatively NIRSCerPost (1008) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
| **Near InfraredSpectroscopy (NIRS) Somatic Metrics Used:** NIRSSomUsed(1009) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
| *If NIRSSomUsed is Yes→* | | | | | | | | | | | | | | | | | | | | | | NIRS Somatic Metrics Used Preoperatively NIRSSomPre (1010) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | | | | | | | | | | | | | | | | | | | | NIRS Somatic Metrics Used Intraoperatively NIRSSomIntra (1011) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | | | | | | | | | | | | | | | | | | | | NIRS Somatic Metrics Used Postoperatively NIRSSomPost (1012) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OR Entry Time: *(00:00 – 23:59)* \_\_ \_\_: \_\_ \_\_ OREntryT (1013) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Skin Incision Start Time: *(00:00 – 23:59)* \_\_ \_\_: \_\_ \_\_ SIStartT (1014) | | | | | | | | | | | | | | | |
| Endotracheal Intubation Performed: 🞎 Yes 🞎 No*(If Yes ↓)* Intubate (1015) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | Intubation Date/Time: IntubateDT (1016)  *(mm/dd/yyyy 00:00 – 23:59)* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_ | | | | | | | | | | | | | | | | | | | | | | | | | | Initial Extubation Date/Time: ExtubateDT (1017)  *(mm/dd/yyyy 00:00 – 23:59)* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_ | | | | | | | | | | | | | | | |
|  | | | | Extubated in OR: ExtubInOR (1018) 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  | | | | Re-Intubated After Initial Postoperative Extubation: 🞎 Yes 🞎 No*(If Yes ↓)* ReIntubate (1019) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | |  | | | | | | Final Extubation Date/Time: *(mm/dd/yyyy 00:00 – 23:59)* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_ FinExtubDT (1020) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Time of Skin Closure: *(00:00 – 23:59)* \_ \_:\_ \_  SIStopT (1021) | | | | | | | | | | | | | | | | | | OR Exit Time: *(00:00 – 23:59)* \_ \_:\_ \_  ORExitT (1022) | | | | | | | | | | | | | | | | | | | | Extended Through Midnight: 🞎 Yes 🞎 No MultiDay (1023) | | | | | | | |
| ***If Op type is: “NonCardiac/NonThoracic Procedure w/Anesthesia” or “Interventional Cardiology” → Skip to Complications section. However, if the procedure was performed by a surgeon participant in the STS CHSD, enter the surgeon’s name and NPI.*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surgeon:  Surgeon (1030) | | | | | | | | | | | | | | | | Surgeon NPI:  SurgNPI (1031) | | | | | | | | | | | | | | | | | | | Taxpayer Identification Number:  TIN (1032) | | | | | | | | | | |
| Reoperation Within This Admission: ReOpInAdm (1080) 🞎 Yes – Planned reoperation 🞎 Yes – Unplanned reoperation 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Prior Cardiothoracic Operations:  PrvCtOpN (1090) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Number of Prior CPB Cardiothoracic Operations:  PrvOCtOpN (1100) | | | | | | | | | | | | | |
| *(If operation type is No CPB Cardiovascular→)* Cross Clamp Time – No CPB: *(minutes):* XClampTmNC (1130) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If operation type is CPB or VAD w/ CPB↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CPB Blood Prime*:* CPBPrimed (1140) | | | | | | | | | | 🞎 Yes  🞎 No | | | | CPB Time *(min):*\_\_\_\_\_  CPBTm (1150) | | | | | | | | | | Cross Clamp Time - CPB:*(min):\_\_\_\_\_\_\_*  XClampTm (1160) | | | | | | | | | | | | | | | | Circulatory Arrest Time *(min):\_\_\_\_\_\_* DHCATm (1170) | | | | |
|  | Patient Temperature Monitoring Site : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | (If Yes, Lowest Core Temperature recorded at site): | | | | | | | | | | | | | | | |
|  | | | | | | Bladder: TempSiteBla (1180) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpBla (1190) | | | | | | | | | | | | | | | |
|  | | | | | | Esophageal: TempSiteEso (1200) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpEso (1210) | | | | | | | | | | | | | | | |
|  | | | | | | Nasopharyngeal: TempSiteNas (1220) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpNas (1230) | | | | | | | | | | | | | | | |
|  | | | | | | Rectal: TempSiteRec (1240) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpRec (1250) | | | | | | | | | | | | | | | |
|  | | | | | | Tympanic: TempSiteTym (1260) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpTym (1270) | | | | | | | | | | | | | | | |
|  | | | | | | Other:  TempSiteOth (1280) | | | | | | | | 🞎 Yes 🞎 No | | | | | | | *(If Yes →)* | | | | | | | | | \_\_\_\_\_ *°C* LowCTmpOth (1290) | | | | | | | | | | | | | | | |
|  | | Cooling Time: *(minutes)* CoolTime (1300) **\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | Rewarming Time: *(minutes)* RewarmTime (1310) **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | |
|  | | Cerebral Perfusion Utilized: CPerfUtil (1320) 🞎 Yes 🞎 No *(If Yes ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | Cerebral Perfusion Time: \_\_\_\_\_\_\_\_ *(minutes)* CPerfTime (1330) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | Cerebral Perfusion Cannulation Site: | | | | | | | | | | | | | | | | | Innominate Artery CPerfCanInn (1340) | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | Right Subclavian CPerfCanRSub(1350) | | | | | | 🞎 Yes 🞎 No |
|  | | | | | |  | | | | | | | | | | | | | | | | | Right Axillary Artery CPerfCanRAx (1360) | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | Right Carotid Artery CPerfCanRCar (1370) | | | | | | 🞎 Yes 🞎 No |
|  | | | | | |  | | | | | | | | | | | | | | | | | Left Carotid Artery CPerfCanLCar (1380) | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | Superior Vena Cava CPerfCanSVC (1390) | | | | | | 🞎 Yes 🞎 No |
|  | | | | | | Cerebral Perfusion Periods: CPerfPer (1400) \_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | Cerebral Perfusion Flow Rate: CPerfFlow (1410) \_\_\_\_\_\_\_\_ *(mL/kg) per minute* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | Cerebral Perfusion Temperature: CPerfTemp (1420) \_\_\_\_\_\_\_ *°C* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | |
|  | | | Arterial Blood Gas Management During Cooling:  ABldGasMgt (1430) | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Alpha STAT | | | | | | | | | | | | | 🞎 pH STAT | |
|  | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 pHSTAT cooling/Alpha STAT rewarming | | | | | | | | | | | | | 🞎 Other Combination | |
|  | | | Hematocrit Prior to Circulatory Arrest or Cerebral Perfusion: HCTPriCircA (1440) \_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Cardioplegia Delivery: CplegiaDeliv (1450) | | | | | | | | | | | | | | | | | 🞎 None | | | | | | | | | | | 🞎 Antegrade | | | | | | | | | | 🞎 Retrograde | | | | 🞎 Both | |
|  | | *If CPlegiaDeliv is Antegrade, Retrograde or Both ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | Cardioplegia Type:  CPlegiaType (1460) | | | | | | | | | | 🞎 Blood | | | | | | | 🞎 Crystalloid | | | | | | | 🞎 Both | | | | 🞎 Other | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | Cardioplegia Solution:  CPlegiaSolution (1470) | | | | | | | | | | 🞎 del Nido | | | | | | | | | | | | | | | | | | 🞎 Celsior | | | | | | | | |
|  | | | | | | | | |  | | | | | | | | | | 🞎 Custodiol / Bretschneider (HTK) | | | | | | | | | | | | | | | | | | 🞎 Roe’s Solution | | | | | | | | |
|  | | | | | | | | |  | | | | | | | | | | 🞎 Buckberg | | | | | | | | | | | | | | | | | | 🞎 Microplegia with Potassium | | | | | | | | |
|  | | | | | | | | |  | | | | | | | | | | 🞎 Plegisol / St. Thomas | | | | | | | | | | | | | | | | | | 🞎 Microplegia with Adenocaine | | | | | | | | |
|  | | | | | | | | |  | | | | | | | | | | 🞎 University of Wisconsin | | | | | | | | | | | | | | | | | | 🞎 Other | | | | | | | | |
|  | | | | | | | | | Cardioplegia Number of Doses:CPlegiaDose(1490) **\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |
|  | | | Hematocrit - First after initiating CPB: HCTFirst (1640) | | | | | | | | | | | | | | | | | | | | | | | | | **\_\_\_\_\_\_\_** | | | | | | Ultrafiltration performed After CPB:Ultrafiltration (1670) | | | | | | | | | | | |
|  | | | Hematocrit - Last Measured During CPB: HCTLast (1650) | | | | | | | | | | | | | | | | | | | | | | | | | **\_\_\_\_\_\_\_** | | | | | |  | | 🞎 No | | | | | | | | | |
|  | | | Hematocrit – Post CPB, Post Protamine: HCTPost (1660) | | | | | | | | | | | | | | | | | | | | | | | | | **\_\_\_\_\_\_\_** | | | | | |  | | 🞎 Yes, Modified Ultrafiltration (MUF) | | | | | | | | | |
|  | | |  | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | 🞎 Yes, Conventional Ultrafiltration (CUF) | | | | | | | | | |
|  | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | 🞎 Yes, MUF and CUF | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |
| Pulmonary Vascular Resistance Measured: 🞎 Yes 🞎 No PVRMeas (1770) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Yes and WeightKg ≥40 →)*PVR: \_\_\_\_\_ *(Wood units)* PVR (1780) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Yes and WeightKg <40 →)*PVR Index: \_\_\_\_\_ *(Wood units x m2)* PVRI (1790) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intraop Blood Products Used: 🞎 Yes 🞎 No IBldProd (2450) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *(If No →)* Intraop Blood Products Refused: IBldProdRef (2460) 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *(If Yes ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | |  | | | Red Blood Cells  IBdRBC (2470) | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | Fresh Frozen Plasma  IBdFFP (2510) | | | | | | | | | 🞎 Yes 🞎 No | | |
|  | | | | |  | | | Cryoprecipitate  IBdCryo (2550) | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | Platelets  IBdPlat (2590) | | | | | | | | | 🞎 Yes 🞎 No | | |
|  | | | | |  | | | Whole Blood  IBdWB (2630) | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | Factor VIIa  IBdFVlla (2680) | | | | | | | | | 🞎 Yes 🞎 No | | |
|  | | | | | *If Whole Blood is Yes ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | |  | | | | | | | Fresh Whole Blood  IBdWBFresh (2640) | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | |
| Intraop Medications: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aprotinin:  IMedAprot (2700) | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |  | | Desmopressin:  IMedDesmo (2740) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | |
| Epsilon Amino-Caproic Acid: IMedEACA (2720) | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |  | | Tranexamic Acid:  IMedTran (2760) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | |
| **CABG PROCEDURES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coronary Artery Bypass (CAB): OpCAB (2780) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | *(If Yes ↓)* | | | | | | | | | | | | | | | | |
|  | | | | | | | Number of Distal Arterial Anast:DistArt (2790) **\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | Number of Distal Vein Anast:DistVein (2800) **\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | |
|  | | | | | | | Internal Mammary Artery (IMA) Used: IMAArtUs (2850) | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Left IMA | | | | | | | | 🞎 Right IMA | | | |
|  | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Both IMAs | | | | | | | | 🞎 No IMA | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VALVE PROCEDURES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve Operation: OpValve (2940) | | | | | | 🞎 Yes 🞎 No | | | | | *(If Yes ↓)* | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | | | |
|  | | Valve Device Explanted and/or Implanted:  ValExImp (3140) | | | | | | | | | | 🞎 No | | | 🞎 Yes, Explanted | | | | | | | 🞎 Yes, Implanted | | | | 🞎 Yes, Explanted and Implanted | | | | | | | |
| *If Yes, Explanted orYes, explanted and Implanted, complete one column per explant ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **EXPLANT(S)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | **Valve Explant #1** | | | | | **2nd Explant: 🞎 Yes 🞎 No**  ValEx2 (3160) | | | | | | | | | **3rd Explant: 🞎 Yes 🞎 No**  ValEx3 (3180) | | | | | | | | | | **4th Explant: 🞎 Yes 🞎 No**  ValEx4 (3200) | | | | | | |
|  | | |  | | | | | *If Yes ↓ (if no skip to implant)* | | | | | | | | | *If Yes ↓ (if no skip to implant)* | | | | | | | | | | *If Yes ↓ (if no skip to implant)* | | | | | | |
|  | | | Valve Explant Type #1  ValExType1 (3150) | | | | | Valve Explant Type #2  ValExType2 (3170) | | | | | | | | | Valve Explant Type #3  ValExType3 (3190) | | | | | | | | | | Valve Explant Type #4  ValExType4 (3210) | | | | | | |
|  | | | 🞎 Mechanical | | | | | 🞎 Mechanical | | | | | | | | | 🞎 Mechanical | | | | | | | | | | 🞎 Mechanical | | | | | | |
|  | | | 🞎 Bioprosthetic | | | | | 🞎 Bioprosthetic | | | | | | | | | 🞎 Bioprosthetic | | | | | | | | | | 🞎 Bioprosthetic | | | | | | |
|  | | | 🞎 Homograft/Allograft | | | | | 🞎 Homograft/Allograft | | | | | | | | | 🞎 Homograft/Allograft | | | | | | | | | | 🞎 Homograft/Allograft | | | | | | |
|  | | | 🞎 Autograft | | | | | 🞎 Autograft | | | | | | | | | 🞎 Autograft | | | | | | | | | | 🞎 Autograft | | | | | | |
|  | | | 🞎 Annuloplasty Band/Ring | | | | | 🞎 Annuloplasty Band/Ring | | | | | | | | | 🞎 Annuloplasty Band/Ring | | | | | | | | | | 🞎 Annuloplasty Band/Ring | | | | | | |
|  | | | 🞎 Mitral Clip | | | | | 🞎 Mitral Clip | | | | | | | | | 🞎 Mitral Clip | | | | | | | | | | 🞎 Mitral Clip | | | | | | |
|  | | | 🞎 Surgeon Fashioned | | | | | 🞎 Surgeon Fashioned | | | | | | | | | 🞎 Surgeon Fashioned | | | | | | | | | | 🞎 Surgeon Fashioned | | | | | | |
|  | | | 🞎 Other | | | | | 🞎 Other | | | | | | | | | 🞎 Other | | | | | | | | | | 🞎 Other | | | | | | |
| *If Yes, Implanted or Yes, Explanted and Implanted, complete one column per implant ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **IMPLANT(S)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | **Valve Implant Location #1**  ValImpLoc1 (3220) | | | | | **2nd Implant: 🞎 Yes 🞎 No**  ValImp2 (3270) | | | | | | | | | **3rd Implant: 🞎 Yes 🞎 No**  ValImp3 (3330) | | | | | | | | | | **4th Implant: 🞎 Yes 🞎 No**  ValImp4 (3390) | | | | | | |
| *If Yes ↓ (if no skip to VAD proc)* | | | | | | | | | *If Yes ↓ (if no skip to VAD proc)* | | | | | | | | | | *If Yes ↓ (if no skip to VAD proc)* | | | | | | |
|  | | |  | | | | | Valve Implant Location #2  ValImpLoc2 (3280) | | | | | | | | | Valve Implant Location #3  ValImpLoc3 (3340) | | | | | | | | | | Valve Implant Location #4  ValImpLoc4 (3400) | | | | | | |
|  | | | 🞎 Aortic | | | | | 🞎 Aortic | | | | | | | | | 🞎 Aortic | | | | | | | | | | 🞎 Aortic | | | | | | |
|  | | | 🞎 Mitral | | | | | 🞎 Mitral | | | | | | | | | 🞎 Mitral | | | | | | | | | | 🞎 Mitral | | | | | | |
|  | | | 🞎 Tricuspid | | | | | 🞎 Tricuspid | | | | | | | | | 🞎 Tricuspid | | | | | | | | | | 🞎 Tricuspid | | | | | | |
|  | | | 🞎 Pulmonic | | | | | 🞎 Pulmonic | | | | | | | | | 🞎 Pulmonic | | | | | | | | | | 🞎 Pulmonic | | | | | | |
|  | | | 🞎 Common AV | | | | | 🞎 Common AV | | | | | | | | | 🞎 Common AV | | | | | | | | | | 🞎 Common AV | | | | | | |
|  | | | 🞎 Truncal | | | | | 🞎 Truncal | | | | | | | | | 🞎 Truncal | | | | | | | | | | 🞎 Truncal | | | | | | |
|  | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | |
|  | | | Valve Implant Type #1  ValImpType1 (3230) | | | | | Valve Implant Type #2  ValImpType2 (3290) | | | | | | | | | Valve Implant Type #3  ValImpType3 (3350) | | | | | | | | | | Valve Implant Type #4  ValImpType4 (3410) | | | | | | |
|  | | | 🞎 Surgeon Fashioned | | | | | 🞎 Surgeon Fashioned | | | | | | | | | 🞎 Surgeon Fashioned | | | | | | | | | | 🞎 Surgeon Fashioned | | | | | | |
|  | | | 🞎 Autograft | | | | | 🞎 Autograft | | | | | | | | | 🞎 Autograft | | | | | | | | | | 🞎 Autograft | | | | | | |
|  | | | 🞎 Commercially supplied | | | | | 🞎 Commercially supplied | | | | | | | | | 🞎 Commercially supplied | | | | | | | | | | 🞎 Commercially supplied | | | | | | |
|  | | | *If Surgeon fashioned ↓* | | | | | *If Surgeon fashioned ↓* | | | | | | | | | *If Surgeon fashioned ↓* | | | | | | | | | | *If Surgeon fashioned ↓* | | | | | | |
|  | | |  | Material #1:  ValImpSFMat1 (3240) | | | |  | Material #2:  ValImpSFMat2 (3300) | | | | | | | |  | | Material #3:  ValImpSFMat3 (3360) | | | | | | | |  | | | Material #4:  ValImpSFMat4 (3420) | | | |
|  | | |  | 🞎 PTFE (Gore-Tex) | | | |  | 🞎 PTFE (Gore-Tex) | | | | | | | |  | | 🞎 PTFE (Gore-Tex) | | | | | | | |  | | | 🞎 PTFE (Gore-Tex) | | | |
|  | | |  | 🞎 Pericardium | | | |  | 🞎 Pericardium | | | | | | | |  | | 🞎 Pericardium | | | | | | | |  | | | 🞎 Pericardium | | | |
|  | | |  | 🞎 Other | | | |  | 🞎 Other | | | | | | | |  | | 🞎 Other | | | | | | | |  | | | 🞎 Other | | | |
|  | | | *If Commercially Supplied↓* | | | | | *If Commercially Supplied↓* | | | | | | | | | *If Commercially Supplied↓* | | | | | | | | | | *If Commercially Supplied↓* | | | | | | |
|  | | |  | Model #1:\_\_\_\_\_\_\_\_  ValImpComMod1 (3250) | | | |  | Model #2:\_\_\_\_\_\_\_\_ ValImpComMod2 (3310) | | | | | | | |  | | Model #3: \_\_\_\_\_\_\_\_  ValImpComMod3 (3370) | | | | | | | |  | | | Model #4: \_\_\_\_\_\_\_\_  ValImpComMod4 (3430) | | | |
|  | | |  | Device Size #1: \_\_\_\_  ValImpComSz1 (3260) | | | |  | Device Size #2: \_\_\_\_  ValImpComSz2 (3320) | | | | | | | |  | | Device Size #3: \_\_\_\_  ValImpComSz3 (3380) | | | | | | | |  | | | Device Size #4: \_\_\_\_  ValImpComSz4 (3440) | | | |
|  | | |  |  | | | |  |  | | | | | | | |  | |  | | | | | | | |  | | |  | | | |
| **VAD PROCEDURES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VAD Explanted and/or Implanted:VADExImp (3460) | | | | | | | | | | | | | 🞎 No | | | 🞎 Yes, Explanted | | | | | | | 🞎 Yes, Implanted | | | | | | 🞎 Yes, Explanted and Implanted | | | | |
| *If Implanted or Explanted and Implanted ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | Indication: VADInd (3500) | | | | | | | 🞎 Bridge to Transplantation | | | | | | | | | | | | | 🞎 Bridge to Recovery | | | | | | | | 🞎 Destination | | |
|  | | |  |  | | | | | | 🞎 Postcardiotomy Ventricular failure | | | | | | | | | | | | | 🞎 Device malfunction | | | | | | | | 🞎 End of Life | | |
|  | | | Implant Type: VImpTy (3560) | | | | | | | 🞎 RVAD | | | | 🞎 LVAD | | | | 🞎 BiVAD | | | | | 🞎 TAH (total artificial heart) | | | | | | | | | | |
|  | | | Product: VProdTy (3570) | | | | | | | (choose from VAD List) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | |
| *If Explanted or Explanted and Implanted ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | Explant Reason: VExpRsn (3610) | | | | | | | 🞎 Cardiac Transplant | | | | | | | | | | | 🞎 Recovery | | | | | | | 🞎 Device Transfer | | | | | |
|  | | |  | | | | | | | 🞎 Device Related Infection | | | | | | | | | | | 🞎 Device Malfunction | | | | | | | 🞎 End of Life | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *If Explanted, Implanted or Explanted and Implanted indicate whether VAD related complications occurred↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | Intracranial Bleed:  PVCmpBld (3850) | | | 🞎 Yes 🞎 No | | | | | Embolic Stroke:  PVCmpESt (3860) | | | | | | | 🞎 Yes 🞎 No | | | | | | Driveline/Cannula Infection:  PVCmpDCI (3870) | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | Pump Pocket Infection:  PVCmpPPI (3880) | | | 🞎 Yes 🞎 No | | | | | Endocarditis:  PVCmpEnd (3890) | | | | | | | 🞎 Yes 🞎 No | | | | | | Device Malfunction:  PVCmpMal (3900) | | | | | | | | 🞎 Yes 🞎 No | |
|  | | | Bowel Obstruction:  PVCmpBO (3910) | | | 🞎 Yes 🞎 No | | | | | Hemolysis:  PVCmpHemo (3920) | | | | | | | 🞎 Yes 🞎 No | | | | | |  | | | | | | | |  | |
| **POSTOPERATIVE** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Products Used Postoperatively: 🞎 Yes 🞎 No BldProd (3940) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | *(If Yes ↓)* | | | |  | |  | | | | | | | |  | | | | |  | | | | |  | | | | | | | | |
|  | Red Blood Cells  BdRBC (3950) | | | | 🞎 Yes 🞎 No | | Fresh Frozen Plasma  BdFFP (3990) | | | | | | | | 🞎 Yes 🞎 No | | | | | Cryoprecipitate  BdCryo (4030) | | | | | 🞎 Yes 🞎 No | | | | | | | | |
|  | Platelets  BdPlat (4070) | | | | 🞎 Yes 🞎 No | | Whole Blood  BdWB (4110) | | | | | | | | 🞎 Yes 🞎 No | | | | | *If Whole Blood Yes→* | | | | | Fresh Whole Blood:  BdWBFresh (4120) | | | | | | | | 🞎 Yes 🞎 No |
|  | Factor VIIa  BdFVIIa (4160) | | | | 🞎 Yes 🞎 No | |  | | | | | | | |  | | | | |  | | | | |  | | | | | | | | |

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| **COMPLICATIONS** Complication (4200)  **Assign complication(s) to the operation that is most closely associated with the complication** | | | | |
| 🞎 No complications *OR select ALL that apply: (↓)* | | | | |
| 🞎 | No complications during the intraop or postop time periods (No complications prior to discharge & no complications within ≤ 30 days of surgery) | | | |
| 🞎 | Intraoperative death or intraprocedural death | | | |
| 🞎 | Unplanned readmission to the hospital within 30 days of surgery or intervention | | | |
| 🞎 | Multi-System Organ Failure (MSOF) = Multi-Organ Dysfunction Syndrome (MODS) | | | |
| 🞎 | Unexpected Cardiac arrest during or following procedure (Periop/Periprocedural = Intraop/Intraprocedural and/or Postop/Postprocedural) | | | |
| 🞎 | Cardiac dysfunction resulting in low cardiac output | | | |
| 🞎 | Cardiac failure (severe cardiac dysfunction) | | | |
| 🞎 | Endocarditis-postprocedural infective endocarditis | | | |
| 🞎 | Pericardial effusion, Requiring drainage | | | |
| 🞎 | Pulmonary hypertension | | | |
| 🞎 | Pulmonary hypertensive crisis (PA pressure > systemic pressure) | | | |
| 🞎 | Pulmonary vein obstruction | | | |
| 🞎 | Systemic vein obstruction | | | |
| 🞎 | Bleeding, Requiring reoperation | | | |
| 🞎 | Sternum left open, Planned | | | |
| 🞎 | Sternum left open, Unplanned | | | |
| 🞎 | Unplanned cardiac reoperation during the postoperative or postprocedural time period, exclusive of reoperation for bleeding | | | |
| 🞎 | Unplanned interventional therapeutic cardiovascular catheterization procedure during the postoperative or postprocedural time period | | | |
| 🞎 | Unplanned non-cardiac reoperation during the postoperative or postprocedural time period | | | |
| 🞎 | Postoperative/Postprocedural mechanical circulatory support (IABP, VAD, ECMO, or CPS) | | | |
| 🞎 | Arrhythmia requiring drug therapy | | | |
| 🞎 | Arrhythmia requiring electrical cardioversion or defibrillation | | | |
| 🞎 | Arrhythmia necessitating pacemaker, Permanent pacemaker | | | |
| 🞎 | Arrhythmia necessitating pacemaker, Temporary pacemaker | | | |
| 🞎 | Chylothorax | | | |
| 🞎 | Pleural effusion, Requiring drainage | | | |
| 🞎 | Pneumonia | | | |
| 🞎 | Pneumothorax, Requiring drainage or evacuation | | | |
| 🞎 | Postoperative/Postprocedural respiratory insufficiency requiring mechanical ventilatory support > 7 days | | | |
| 🞎 | Postoperative/Postprocedural respiratory insufficiency requiring reintubation | | | |
| 🞎 | Respiratory failure, Requiring tracheostomy | | | |
| 🞎 | Renal failure - acute renal failure, Acute renal failure requiring dialysis at the time of hospital discharge | | | |
| 🞎 | Renal failure - acute renal failure, Acute renal failure requiring temporary dialysis with the need for dialysis not present at hospital discharge | | | |
| 🞎 | Renal failure - acute renal failure, Acute renal failure requiring temporary hemofiltration with the need for dialysis not present at hospital discharge | | | |
| 🞎 | Sepsis | | | |
| 🞎 | Neurological deficit, Neurological deficit persisting at discharge | | | |
| 🞎 | Neurological deficit, Transient neurological deficit not present at discharge | | | |
| 🞎 | Paralyzed diaphragm (possible phrenic nerve injury) | | | |
| 🞎 | Peripheral nerve injury, Neurological deficit persisting at discharge | | | |
| 🞎 | Seizure | | | |
| 🞎 | Spinal cord injury, Neurological deficit persisting at discharge | | | |
| 🞎 | Stroke | | | |
| 🞎 | Subdural Bleed | | | |
| 🞎 | Intraventricular hemorrhage (IVH) > grade 2 | | | |
| 🞎 | Vocal cord dysfunction (possible recurrent laryngeal nerve injury) | | | |
| 🞎 | Wound dehiscence (sterile) | | | |
| 🞎 | Wound dehiscence (sterile), Median sternotomy | | | |
| 🞎 | Wound infection | | | |
| 🞎 | Wound infection-Deep wound infection | | | |
| 🞎 | Wound infection-Mediastinitis | | | |
| 🞎 | Wound infection-Superficial wound infection | | | |
| 🞎 | Anesthesia – related complication | | | |
| 🞎 | Complication of cardiovascular catheterization procedure | | | |
| 🞎 | Other complication | | | |
| 🞎 | Other operative/procedural complication | | | |
| **DISCHARGE/READMISSION** | | | | |
| Date of Hospital Discharge: HospDischDt (4220) *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ | | | | |
| Mortality Status at Hospital Discharge: MtHospDisStat (4230) 🞎 Alive 🞎 Dead | | | | |
| *(If Alive →)* | | Discharge Location: DisLoctn (4240) 🞎 Home 🞎 Other Acute Care Center 🞎 Other Chronic Care Center | | |
| VAD Discharge Status: VADDiscS(4245) 🞎 No VAD this admission 🞎 Discharged w/ VAD 🞎 VAD removed prior to discharge 🞎 Expired in Hospital | | | | |
| Date of Database Discharge: DBDischDt (4250) *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ | | | | |
| Mortality Status at Database Discharge: MtDBDisStat (4260) 🞎 Alive 🞎 Dead 🞎 Unknown *(If Alive ↓)* | | | | |
| Readmission within 30 days: 🞎 Yes 🞎 No*(If Yes →)* Readmission Date: *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_  Readmit30 (4270) ReadmitDt (4280) | | | | |
| *(If Yes →)* Primary Readmission Reason *(select one↓):*ReadmitRsn (4290) | | | | |
| 🞎 Thrombotic Complication | | | | 🞎 Neurologic Complication |
| 🞎 Hemorrhagic Complication | | | | 🞎 Respiratory Complication/Airway Complication |
| 🞎 Stenotic Complication | | | | 🞎 Septic/Infectious Complication |
| 🞎 Arrhythmia | | | | 🞎 Cardiovascular Device Complications |
| 🞎 Congestive Heart Failure | | | | 🞎 Residual/Recurrent Cardiovascular Defects |
| 🞎 Embolic Complication | | | | 🞎 Failure to Thrive |
| 🞎 Cardiac Transplant Rejection | | | | 🞎 VAD Complications |
| 🞎 Myocardial Ischemia | | | | 🞎 Gastrointestinal Complication |
| 🞎 Renal Failure | | | | 🞎 Other Cardiovascular Complication |
| 🞎 Pericardial Effusion and/or Tamponade | | | | 🞎 Other - Readmission related to this index operation |
| 🞎 Pleural Effusion | | | | 🞎 Other - Readmission not related to this index operation |
|  | | | | |
| Status at 30 days after surgery: Mt30Stat (4300) 🞎 Alive 🞎 Dead 🞎 Unknown | | | | |
| 30 Day Status Method of Verification: 🞎 Evidence of life or death in Medical Record 🞎 Contact w/ patient or family  Mt30StatMeth (4310) 🞎 Contact w/ medical provider 🞎 Office visit to provider ≥ 30 days post op 🞎 SSDMF 🞎Other | | | | |
| Mortality Assigned to this Operation: MortCase (4320) 🞎 Yes 🞎 No Operative Mortality: MtOpD (4330) 🞎 Yes 🞎 No | | | | |
| CHSS Eligibility:CHSSElig (4331) | | | 🞎 Eligible & Enrolled 🞎 Eligible, but declined enrollment 🞎 Eligible, but not invited to participate  🞎 Eligible, but institution not CHSS participant 🞎 Eligible, but not enrolled, other reason 🞎 Not Eligible | |
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| **PATIENT PROCESS MEASURES** | | | | | | | | | | | | | | | | | | | | | | | |
| *(if Op Type CPB or No CPB Cardiovascular 🡫)* | | | | | | | | | | | | | | | | | |  | | | | | |
| Patient care discussed at preop multidisciplinary planning conference: 🞎 Yes 🞎 No CareDiscussed(4340) | | | | | | | | | | | | | | | | | | | | | | | |
| *If No →* | | Reason care was not discussed:  CareDiscussedRsn (4350) | | | | 🞎 Urgent/Emergent/Salvage Case | | | | | | | | | | 🞎 Neonate admitted between conferences | | | | | | | |
|  | |  | | | | 🞎 Program does not routinely discuss all cases | | | | | | | | | | 🞎 Program does not have regular conferences | | | | | | | |
|  | |  | | | | 🞎 Other | | | | | | | | | |  | | | | | | | |
| Transesophageal Echo (TEE) available for case:  TEEAvail (4370) | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | |
| *If Yes →* | Intraop TEE performed:  TEEEpicEchoPerf (4380) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | |
| Pre-op Antibiotic Prophylaxis given:  PreopAntiProph (4400) | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| *If Yes →* | Cephalosporin  PreopAntiProphCeph (4410) | | 🞎 Yes 🞎 No | | | | Penicillin or related med  PreopAntiProphPen (4420) | | | | | | | 🞎 Yes 🞎 No | | | | | Aminoglycoside  PreopAntiProphAmino (4430) | | 🞎 Yes 🞎 No | | |
|  | Vancomycin  PreopAntiProphVan (4440) | | 🞎 Yes 🞎 No | | | | Other  PreopAntiProphOth (4450) | | | | | | | 🞎 Yes 🞎 No | | |  | | | | |  | |
|  | Antibiotic Start time: *(00:00 – 23:59)* **\_ \_:\_ \_** PreopAntiProphTime (4470) | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| Conventional Pre-procedure Time Out:  ConvTimeOut (4480) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
| Surgeon shares essential elements of operative plan:  PreProcBrief (4490) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
| Postprocedure debriefing:  PostProcDebrief (4500) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
| Hand-off protocol at the time of transfer to ICU: HandoffProtocol (4510) | | | | | | | | 🞎 Yes- all required team members present | | | | | | | | | | | |  | | | |
|  | | | | | | | | 🞎 Yes- not all required team members present | | | | | | | | | | | |  | | | |
|  | | | | | | | | 🞎 No | | | | |  | | | | | | |  | | | |
| *If yes-not all required team members present →* | | | | | Anesthesiologist:  HandoffAnesth (4520) | | | | | | | 🞎 Attended hand-off | | | 🞎 Did not attend hand-off | | | | | | | | |
|  | | | | | Surgeon:  HandoffSurg (4530) | | | | | | | 🞎 Attended hand-off | | | 🞎 Did not attend hand-off | | | | | | | | |
|  | | | | | ICU MD:  HandoffPhysStaff (4540) | | | | | | | 🞎 Attended hand-off | | | 🞎 Did not attend hand-off | | | | | | | | |
|  | | | | | Nurse:  HandoffNursing (4550) | | | | | | | 🞎 Attended hand-off | | | 🞎 Did not attend hand-off | | | | | | | | |
| Patient died or had major postoperative complication(s):  PostOpComp (4560) | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | |
| *If Yes →* | | Management and outcomes reviewed:  PostOpReview (4570) | | | | | | | 🞎 Reviewed at conference | | | | | | | | | | | | | | |
|  | |  | | | | | | | 🞎 Scheduled for review at conference | | | | | | | | | | | | | | |
|  | |  | | | | | | | 🞎 Not reviewed or scheduled for review | | | | | | | | | | | | | | |
|  | |  | | | | | | | 🞎 Program does not have scheduled conferences | | | | | | | | | | | | | | |
|  | | | | *If Reviewed →* | | Review Date: *(mm/dd/yyyy)* \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_  PostOpReviewDate (4580) | | | | | | | | | | | | | | | | |  |

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| **ANESTHESIA** (for sites participating in anesthesiology component) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Administrative** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Primary Anesthesiologist Attending: PrimAnesName (4590) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Primary Anesthesiologist National Provider Identifier: PrimAnesNPI (4600) **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Secondary Anesthesiologist Attending: SecAnes (4610) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fellow or Resident Present FelRes (4630) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mid-Level provider CRNA/AA Present CRNA (4640) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Preoperative** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preoperative Medication Category: PreopMedCat (4700) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | | | | | None *(If not None, select all pre-operative medications that apply: ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | ACE Inhibitors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Milrinone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Amiodarone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Narcotics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Anti-reflux Medications (H2 antagonists, PPI, propulsives) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Nitric Oxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Anti-seizure medications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Nitroglycerin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Aspirin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Nitroprusside | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Benzodiazepines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Norepinephrine (Levophed) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Beta Blockers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | PDE-5 Inhibitors (e.g., Sildenafil) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Birth Control (Oral, IM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Platelet inhibitors other than Aspirin (e.g., Plavix) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Bronchodilators, Inhaled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Prostacyclin (e.g., Flolan, Remodulin) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Calcium Channel Blockers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Prostaglandin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Calcium Chloride infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Psychiatric Medications (including ADHD and antidepressants) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Coumadin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Statins | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Digoxin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Steroids (oral / IV) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Direct Thrombin Inhibitors (e.g., argatroban) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Thyroid Hormone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Diuretics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Transplant Rejection Inhibition Meds (other than steroids) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Dobutamine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Vasopressin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Dopamine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Antiarrhythmics not otherwise listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Endothelin Antagonist (e.g., Bosentan) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Inotropes not otherwise listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Epinephrine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Vasodilators not otherwise listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Heparin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Vasoconstrictors not otherwise listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Heparin, Low molecular weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 🞎 | | | | | | | | | Insulin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| Preoperative Sedation PreopSed (4710) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | *(If Yes→)* | | | | | | | | | | Preoperative Sedation Route  PreopSedRte (4720) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 IM 🞎 IV 🞎 Nasal 🞎 PO (Oral) 🞎 Rectal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | *(If Yes, select all pre-operative sedation drugs that apply: ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | Atropine  PreopSedDrugAtro (4730) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ketamine  PreopSedDrugKet (4770) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | |
|  | | | | | | | | | | | | | | Demerol  PreopSedDrugDem (4740) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Lorazepam  PreopSedDrugLoraz (4780) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | |
|  | | | | | | | | | | | | | | Dexmedetomidine  PreopSedDrugDex(4741) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Midazolam  PreopSedDrugMidaz (4790) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | |
|  | | | | | | | | | | | | | | Diazepam  PreopSedDrugDiaz (4750) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Morphine  PreopSedDrugMorph (4800) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | |
|  | | | | | | | | | | | | | | Glycopyrrolate  PreopSedDrugGlyco (4760) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Pentobarbital  PreopSedDrugPent (4810) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | |
|  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | |  | | | | | |
| Preoperative Oxygen Saturation: PreopO2Sat (4820) \_\_\_\_\_\_\_\_\_ % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| Preoperative Oxygen Supplementation PreopOxygen (4830) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| Date and Time of Transport to Procedure Location Or Anesthesia Start Time: *mm/ dd/ yyyy hh : mm* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_  PLocTransDT (4840) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Monitoring** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arterial Line  ArtLine (4850) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | *(If Yes →)*Type: *(Select all that apply)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | | | | | | | | | | | Radial  ArtLineTypeRad (4860) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Brachial  ArtLineTypeBrach (4870) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | |
|  | | | | | | | | | | | Axillary  ArtLineTypeAx (4880) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Femoral  ArtLineTypeFem (4890) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | |
|  | | | | | | | | | | | Ulnar  ArtLineTypeUlnar (4900) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Dorsalis Pedis  ArtLineTypeDors (4910) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | |
|  | | | | | | | | | | | Posterior Tibial  ArtLineTypePost (4920) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Umbilical  ArtLineTypeCent (4930) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cutdown  Cutdown (4940) | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | *(If Yes →)*Type: *(Select all that apply)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | |  | |
|  | | | | | | | | | | | Radial  CutdownRad (4950) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Femoral  CutdownFem (4960) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |
|  | | | | | | | | | | | Ulnar  CutdownUln (4970) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Other  CutdownOth (4980) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percutaneous Central Pressure  PercCentPress (4990) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | *(If Yes →)* Location: *(Select all that apply)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | Right Internal Jugular  PCPLocRJug (5000) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Left Internal Jugular  PCPLocLJug (5010) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |
|  | | | | | | | | | | | Right Subclavian  PCPLocRSub (5020) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Left Subclavian  PCPLocLSub (5030) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |
|  | | | | | | | | | | | Right Femoral Vein  PCPLocRFem (5040) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Left Femoral Vein  PCPLocLFem (5050) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | |
|  | | | | | | | | | | | Other  PCPLocOth (5060) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | |  | | | | |
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| CVP Placed by Anesthesia  CVPPlaced (5070) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
| Swan-Ganz Catheter  SGCath (5080) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
| Oximetric Central Line (ScVO2)  ScVO2 (5090) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
| Ultrasound Guidance Used for Line Placement:  UltraDopGuide (5100) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 None  🞎 Arterial line | | | | | | | | | | | | | | | | | | | | 🞎 Central venous line  🞎 Both arterial & venous lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Neurologic Monitoring  NeuroMonitor (5110) | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |
|  | | | | | | | *(If Yes →)* | | | | | | | | | | | | | | | | | | | | Bispectral Index  NeuroMonBIS (5130)  Transcranial Doppler  NeuroMonTCD (5140)  NIRS (Cerebral)  NeuroMonNIRS (5141)  Other  NeuroMonOth (5150) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No  🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lowest Recorded Intraoperative Temperature:  LowIntraopTemp (5160) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_\_\_\_ *° C* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
| Lowest Intraoperative Temperature Site:  IntraopTempSite (5170) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Nasal 🞎 Esophageal 🞎 Bladder 🞎 Rectal  🞎 Axillary 🞎 Skin 🞎 Tympanic 🞎Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transesophageal Echocardiography TEE (5180) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | |
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| **ANESTHESIA Anesthetic Technique** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date and Time of Induction: *mm/ dd/ yyyy hh : mm* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_  InductionDT (5190) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Induction Type: | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | Inhalation  IndTypeInh (5200) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | *(If Yes →)* | | | | | | | | | | | | | | | | | | | | Sevoflurane  IndAgentInhalSevo (5220) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | Isoflurane  IndAgentInhalIso (5230) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | Intravenous  IndTypeIV (5240) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | *(If Yes →)* | | | | | | | | | | | | | | | | | | | | Sodium Thiopental  IndAgentIVSodT (5260) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
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|  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | Dexmedetomidine  IndAgentIVDex (5320) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | Sufentanil  IndAgentIVSuf (5330) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | Remifentanil  IndAgentIVRem (5340) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | Intramuscular (IM)  IndTypeIM (5350) | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | *(If Yes →)* | | | | | | | | | | | | | | | | | | | | Ketamine  IndAgentIMKet (5370) | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | |
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| Regional Anesthetic  RegionalAnes (5400) | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | *(If Yes →)* | | | | | | | | | | | Regional Anesthetic Site: RegAnesSite (5410) | | | | | | | | | | | | | | | | | | | | | | | 🞎 Thoracic Epidural Catheter 🞎 Lumbar Epidural Catheter 🞎 Caudal Epidural Catheter  🞎 Lumbar Epidural -Single shot 🞎 Caudal Epidural – Single shot  🞎 Lumbar Intrathecal -Single Shot 🞎 Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | *(If Yes →)* | | | | | | | | | | | Regional Anesthetic Drug: | | | | | | | | | | | | | | | | | | | | | | | Bupivicaine  RegAnesDrugBup (5420) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Bupivicaine/Fentanyl  RegAnesDrugBupFen (5430) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | |
|  |  | | | | | | | | | | | *(Select all that apply)* | | | | | | | | | | | | | | | | | | | | | | | Clonidine  RegAnesDrugClon (5440) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Fentanyl  RegAnesDrugFen (5450) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | |
|  |  | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | Hydromorphone  RegAnesDrugHydro (5460) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Lidocaine  RegAnesDrugLido (5470) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | |
|  |  | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | Morphine  RegAnesDrugMorph (5480) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ropivicaine  RegAnesDrugRop (5490) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | |
|  |  | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | Ropivicaine/Fentanyl RegAnesDrugRopFen (5500) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Tetracaine  RegAnesDrugTetra (5510) | | | | | | | | | 🞎 Yes 🞎 No | | | | | | |
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|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
|  | Intercostal Nerve Infiltration by Surgeon or Anesthesia:  IntNerveInf (5530) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Regional Field Block by Surgeon or Anesthesia:  RegFieldBlock (5540) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Airway** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Airway In-situ (ETT or Tracheostomy):  AirwayInsitu (5550) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Airway Type: AirwayType (5560) | | | | | | | | | | | | | | | | | | 🞎 No airway support 🞎 Simple face mask 🞎 Bag-mask 🞎 Nasal cannulae 🞎 Laryngeal Mask Airway (LMA)  🞎 Endotracheal intubation 🞎 Tracheostomy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | *(If LMA →)* | | | | | | | | Airway Size *(mm):*  AirwaySizeLMA (5570) | | | | | | | | | | | | | | | | | | | | | | | 🞎 1.0 🞎 1.5 🞎 2.0 🞎 2.5 🞎 3.0 🞎 4.0 🞎 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | *(If Endotracheal intubation →)* | | | | | | | | | | | | | | | | | | | | | | | | | Airway Size *(mm):* AirwaySizeIntub (5580) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 2.5 🞎 3.0 🞎 3.5 🞎 4.0 🞎 4.5 🞎 5.0  🞎 5.5 🞎 6.0 🞎 6.5 🞎 7.0 🞎 7.5 🞎 8.0  🞎 Other 🞎 Size not listed (DLETT, Tracheotomy) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | Cuffed  Cuffed (5590) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | *(If Endotracheal intubation or Tracheostomy→)* | | | | | | | | | | | | | | | | | | | | | | | | | Airway Site:  AirwaySite (5600) | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Oral 🞎 Nasal 🞎 Tracheostomy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endobronchial Isolation (DLETT, Bronchial Blocker)  EndobroncIso (5610) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |
| ICU Type Ventilator Used Intraop ICUTypeVent (5620) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |
| **ANESTHESIA Transfusion** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transfusion 🞎 Yes 🞎 No Transfusion (5630) *(If Yes enter # of units or 0 if none ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Packed Red Blood Cells (PRBC)Units  PRBCUnits (5660) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Platelet Pheresis Units  PlateletsPheresis (5690) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Random Donor Platelet Units  PlateletsDonor (5700) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Fresh Frozen Plasma (FFP) – Units  FFPUnits (5730) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Cryoprecipitate – Units  CryoUnits (5760) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Whole Blood – Units  WholeBldUnits (5790) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Autologous Transfusion  AutologousTrans (5800) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Cell Saver/Salvage  CellSavSal (5810) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | Directed Donor Units  DirDonorUnits (5820) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Procoagulents** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Factor VIIa (Novoseven) mcg/kg- Dose 1 \_\_\_\_\_\_ProcoagFactorVIIa1 (5850) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Factor VIIa dose 1 > 0 →)* Factor VIIa (Novoseven) mcg/kg- Dose 2 \_\_\_\_\_\_ProcoagFactorVIIa2 (5860) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Factor VIIa dose 2 > 0 →)*Factor VIIa (Novoseven) mcg/kg- Dose 3 \_\_\_\_\_\_ProcoagFactorVIIa3 (5870) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prothrombin Concentrate units/kg- Dose 1 \_\_\_\_\_\_ProcoagProthrom1 (5880) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Prothrombin dose 1 > 0 →)*Prothrombin Concentrate units/kg- Dose 2 \_\_\_\_\_\_ProcoagProthrom2 (5890) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Prothrombin dose 2 > 0 →)*Prothrombin Concentrate units/kg- Dose 3 \_\_\_\_\_\_ProcoagProthrom3 (5900) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrinogen Concentrate mg/kg- Dose 1 \_\_\_\_\_\_ProcoagFibrin1 (5910) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Fibrinogen dose 1 > 0 →)*Fibrinogen Concentrate mg/kg- Dose 2 \_\_\_\_\_\_ProcoagFibrin2 (5920) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Fibrinogen dose 2 > 0 →)*Fibrinogen Concentrate mg/kg- Dose 3 \_\_\_\_\_\_ProcoagFibrin3 (5930) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antithrombin 3 Concentrate units- Dose 1 \_\_\_\_\_\_ProcoagAntithrom1 (5940) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Antithrombin dose 1 > 0 →)* Antithrombin 3 Concentrate units- Dose 2 \_\_\_\_\_\_ProcoagAntithrom2 (5950) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Antithrombin dose 2 > 0 →)*Antithrombin 3 Concentrate units- Dose 3 \_\_\_\_\_\_ProcoagAntithrom3 (5960) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Desmopressin (DDAVP) mcg/kg- Dose 1 \_\_\_\_\_\_ ProcoagDesmo1 (5970) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If DDAVP dose 1 > 0 →)*Desmopressin (DDAVP) mcg/kg- Dose 2 \_\_\_\_\_\_ProcoagDesmo2 (5980) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If DDAVP dose 2 > 0 →)*Desmopressin (DDAVP) mcg/kg- Dose 3 \_\_\_\_\_\_ProcoagDesmo3 (5990) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Antifibrinolytics** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epsilon Aminocaproic Acid (Amicar) Used | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No AntifibEpUse (6000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Yes →)* | | | | | | | | | | Epsilon Aminocaproic Acid (Amicar) Load mg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg AntifibEpLoad (6010) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Epsilon Aminocaproic Acid (Amicar) Pump Prime mg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg AntifibEpPrime (6020) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Epsilon Aminocaproic Acid (Amicar) Infusion Rate mg/kg/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg/hr AntifibEpInfRate (6030) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tranexamic Acid Used | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No AntifibTranexUse (6040) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Yes →)* | | | | | | | | | | Tranexamic Acid Load mg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg AntifibTranexLoad (6050) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Tranexamic Acid Pump Prime mg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg AntifibTranexPrime (6060) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Tranexamic Acid Infusion Rate mg/kg/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ mg/kg/hr AntifibTranexInfRate (6070) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trasylol (Aprotinin) Used | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No AntifibTrasylUse (6080) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *(If Yes →)* | | | | | | | | | | Trasylol (Aprotinin) Load cc/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ cc/kg AntifibTrasylLoad (6090) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Trasylol (Aprotinin) Pump Prime cc/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ cc/kg AntifibTrasylPrime (6100) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Trasylol (Aprotinin) Infusion Rate cc/kg/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \_\_\_\_\_\_ cc/kg/hr AntifibTrasylInfRate (6110) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Intraoperative Pharmacology (including CPB)** IntraopPharm (6140) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intraoperative Medications: | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 None *(If not None, select all intra-operative medications that apply: ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | 5-HT3 Agents (e.g., Ondansetron) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Narcotic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Adenosine bolus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Nesiritide Infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Amiodarone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Nicardipine Infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Bronchodilator - Inhaled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Nitric Oxide inhalation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Benzodiazepine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Nitroglycerin (Tridil) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Calcium Chloride infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Nitroprusside (Nipride) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Calcium Gluconate infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Phenoxybenzamine bolus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Desflurane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Phentolamine (Regitine) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Dexmetetomidine (Precedex) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Phenylephrine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Dobutamine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Procainamide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Dopamine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Propofol (Diprivan) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Epinephrine (Adrenalin) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Prostaglandin infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Esmolol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Sevoflurane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Fenoldopam infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Sodium Bicarbonate bolus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Furosemide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Steroids IV/CPB (Hydrocortisone/Methylprednisolone/Dexamethasone) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Insulin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Thyroid Hormone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Isoflurane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Tromethamine (THAM) bolus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Isoproterenol infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Vasopressin infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Ketamine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Other Inotrope | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Norepinephrine (Levophed) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Other Vasodilator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Magnesium Sulfate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | | | | | Other Vasoconstrictor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | Milrinone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Pharmacology On Arrival To ICU/PACU** ICUPharm (6170) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Medications Given At Time Of Transfer: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 None  *(If not None, select all medications that apply: ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | | | | Aminocaproic Acid (Amicar) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Nesiritide Infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Amiodarone infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Nicardipine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Aprotinin (Trasylol ) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Nitric Oxide inhalation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Benzodiazepine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Nitroglycerin (Tridil) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Calcium Chloride infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Nitroprusside (Nipride) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Calcium Gluconate infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Norepinephrine (Levophed) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Dexmetetomidine (Precedex) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Phentolamine (Regitine) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Dobutamine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Phenylephrine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Dopamine infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Procainamide bolus/infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Epinephrine (Adrenalin) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Propofol (Diprivan) infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Esmolol infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Prostaglandin infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Fenoldopam infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Thyroid Hormone infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Insulin infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Tranexamic Acid infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Isoproterenol infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Vasopressin infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Local Anesthetic infusion via catheter (On-Q, Pleural catheter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Other Inotrope | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Milrinone infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Other Vasodilator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Muscle Relaxant infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | Other Vasoconstrictor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| 🞎 | | | | | | Narcotic infusion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
| **ANESTHESIA ICU/PACU Care** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date and Time of ICU/PACU Arrival: ICUArrDT (6180) *(mm/dd/yyyy 00:00 – 23:59)* \_ \_ / \_ \_ / \_ \_ \_ \_ \_ \_:\_ \_ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial FiO2:  InitialFiO2 (6190) | | | | | | | | | | | | | \_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | | Mechanical circulatory support(ECMO/VAD)  MechCircSup (6200) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | |
| ICU/PACU Arrival labs  ICUPACULabs (6211) | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | *(If Yes →)* | | | | | | | | | | | | | | | | | pH: \_\_\_\_\_  pH (6220) | | | | | | | | | | | | | | | | | | | | pCO2: \_\_\_\_\_  pCO2 (6230) | | | | | | | | | | | | | | | | | pO2: \_\_\_\_\_  pO2 (6240) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Base Excess: \_\_\_\_\_  BaseExcess (6250) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Lactate: \_\_\_\_\_  Lactate (6260) | | | | | | | | | | | | | | | | | Hematocrit: \_\_\_\_\_  Hematocrit (6270) | | | | | | | | | | | | | |
| Initial pulse oximeter \_\_\_\_\_ *%*  InitPulseOx (6280) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Temperature on ICU/PACU Arrival: \_\_\_\_\_ *° C*  TempICUArr (6290) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Measurement Site:  TempSite (6300) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Forehead scan 🞎 Tympanic membrane 🞎 Skin 🞎 Rectal 🞎 Bladder  🞎 Oral 🞎 Axillary 🞎 Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Need for Temporary Pacemaker on Arrival In ICU/PACU  TempPace (6310) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |
|  | | | | | *(If Yes →)* | | | | | | | | | | | Site of Temporary Pace Maker: TempPaceSite (6320) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Epicardial 🞎 Transvenous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *(If Yes →)* | | | | | | | | | | | Type of Temporary Pacing: TempPaceType (6330) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Atrial 🞎 Atrio-ventricular 🞎 Ventricular 🞎 Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disposition Under Anesthesia:  DispUnderAnes (6340) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Discharged as planned after PACU/Recovery  🞎 Admit to ICU as planned  🞎 Other location not listed above | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Admit to hospital floor as planned  🞎 Unplanned admit to hospital or ICU  🞎 Patient expired under anesthetic management | | | | | | | | | | | | | | | | | | | | | |
| Peri-Anesthetic Demise: (within 24 hr of last anesthetic end time)  PeriAnesDemise (6350) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Yes 🞎 No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANESTHESIA Adverse Events** AnesAdvEvent (6380) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anesthesia adverse events: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 None | | | | | | | | | | | | | | | *(If not None, select all adverse events that apply: ↓)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Oral/Nasal Injury-Bleeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Protamine Reaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Respiratory Arrest | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Cardiac Arrest - related to anesthesia care | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Difficult Intubation/Reintubation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Cardiac Arrest - unrelated to anesthesia care | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Stridor / Sub-glottic Stenosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | TEE related esophageal bleeding / rupture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Extubation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Esophageal Chemical Burn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Endotracheal Tube Migration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | TEE related airway compromise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Airway Injury | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | TEE related extubation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Arrhythmia - Central Venous Line Placement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Complications during patient transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Myocardial Injury - Central Venous Line Placement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Peripheral Nerve Injury due to positioning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Vascular Compromise - Central Venous Line Placement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Arterial Line Placement- Extremity ischemia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Pneumothorax - Central Venous Line Placement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Anesthesia Equipment Malfunction/ Failure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Vascular Access | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Intravenous Infiltration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Hematoma requiring relocation of catheter placement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Integument Injury (skin breakdown or dehiscence, pressure ulcer or alopecia) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Arterial Puncture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Bronchospasm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Intravenous/Intra-arterial Air Embolism | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Hemoptysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Bleeding - Regional Anesthetic Site | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Postop Nausea/Vomiting requiring admission | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Intrathecal Puncture - Regional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Vomiting or Aspiration on Induction/Emergence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Local Anesthetic Toxicity - Regional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Emergence Delirium requiring Medication | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Neurologic Injury - Regional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Laryngospasm requiring medication | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Anaphylaxis/Anaphylactoid Reaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Unplanned need to remain intubated postprocedure due to anesthesia factors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Non-allergic Drug Reaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Ocular Injury (corneal abrasion or injury) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Medication Administration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Pulmonary Hypertensive Crisis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Medication Dosage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Hypercyanotic Episode (Tet Spell) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Intraoperative Recall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 | | | | Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 | | | Malignant Hyperthermia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |