

Administrative & Demographics

Record id

PARTICIPANT ID

(Leave it blank)

-

(Not to enter anything)

SURGEON NAME

ASSISTANT SURGEON NAME

PATIENT AGE

(Please enter only number)

SEX

- ☐ Male
☐ Female
☐ Others

HEIGHT (CM)

(Please enter only number)

WEIGHT (KG)

(Please enter only number)

CALCULATED BSA

(Automated Field)

Date of Surgery

Pre Operative Status

Record id

CARDIOVASCULAR HISTORY

DYSPNEA NYHA Class

- ☐ CLASS I
☐ CLASS II
☐ CLASS III
☐ CLASS IV

A.O.E CLASS (Canadian class)

- ☐ CLASS 1
☐ CLASS 2
☐ CLASS 3
☐ CLASS 4
☐ NONE

MI WHEN

- ☐ 6HRS
☐ 6HRS - 24HRS
☐ 1-7 DAYS
☐ 8-21 DAYS
☐ > 21 DAYS
☐ N/A

PRIMARY CORONARY SYMPTOMS REQUIRING SURGERY

- ☐ NO CORONARY SYMPTOMS
☐ ANGINA EQUIVALENT
☐ STABLE ANGINA
☐ UNSTABLE ANGINA
☐ ST ELEVATION MI (STEMI)
☐ NON-ST ELEVATION MI (NON-STEMI)
☐ OTHER

	YES	NO
ENDOCARDITIS	☐	☐
RHEUMATIC FEVER	☐	☐

ENDOCARDITIS TYPE

- ☐ TREATED
☐ ACTIVE

CARDIOGENIC SHOCK

- ☐ YES, AT THE TIME OF THE PROCEDURE
☐ YES, NOT AT THE TIME OF THE PROCEDURE BUT WITHIN PRIOR 24 HOURS
☐ NO

RESUSCITATION

- ☐ YES - WITHIN 1 HOUR OF THE START OF THE PROCEDURE
☐ YES - MORE THAN 1 HOUR BUT LESS THAN 24 HOURS OF THE START OF THE PROCEDURE
☐ NO

ARRHYTHMIA TYPE

- ☐ VTACH/VFIB
- ☐ SICK SINUS SYNDROME
- ☐ AFLUTTER
- ☐ AFIBRILLATION
- ☐ SECOND DEGREE HEART BLOCK
- ☐ THIRD DEGREE HEART BLOCK
- ☐ NONE

PERMANENTLY PACED RHYTHM

- ☐ Yes
- ☐ No

CEREBROVASCULAR HISTORY

- ☐ SYNCOPE
- ☐ TIA
- ☐ SEIZURE
- ☐ CEREBROVASCULAR ACCIDENT
- ☐ FOCAL NEUROLOGIC DEFICITS

PULMONARY HISTORY

CHRONIC LUNG DISEASE TYPE

- ☐ OBSTRUCTIVE
- ☐ REACTIVE
- ☐ INTERSTITIAL FIBROSIS
- ☐ RESTRICTIVE
- ☐ OTHER
- ☐ MULTIPLE
- ☐ NOT DOCUMENTED

OXYGEN SATURATION ON ROOM AIR

(Please enter only number)

RENAL

PRE-OP RENAL FAILURE

- ☐ No Renal Disease
- ☐ Functioning Transplant
- ☐ Creatinine >200 μ mol l-1
- ☐ Dialysis: acute renal failure; onset within 6 weeks of cardiac surgery
- ☐ Dialysis: chronic renal failure; more than 6 weeks prior to cardiac surgery
- ☐ Unknown

RISK FACTORS

HYPERTENSION

- ☐ No hypertension
- ☐ Treated or BP >140 / 90 >1 occasion prior to admission
- ☐ UNKNOWN

DIABETES

- ☐ YES
- ☐ NO
- ☐ UNKNOWN

TOBACCO USE	☐ NEVER SMOKER/CHEWER ☐ CURRENT EVERY DAY SMOKER ☐ CURRENT SOME DAY SMOKER ☐ SMOKER, CURRENT STATUS (FREQUENCY) UNKNOWN ☐ FORMER SMOKER ☐ SMOKING STATUS UNKNOWN ☐ TOBACCO CHEWER
ALCOHOL USE	☐ 180ML / WEEK ☐ 180-720ML / WEEK ☐ >720ML / WEEK ☐ NONE ☐ UNKNOWN
PATIENT'S GENETIC HISTORY	☐ MARFAN ☐ EHLERS-DANLOS ☐ LOEYS-DIETZ ☐ NON-SPECIFIC FAMILIAL THORACIC AORTIC SYNDROME ☐ AORTIC VALVE MORPHOLOGY ☐ TURNER SYNDROME ☐ OTHER ☐ UNKNOWN ☐ NONE

Previous Cardiac Interventions

Record id

PRIOR CORONARY INTERVENTION

- ☐ CABG
☐ PCI
☐ THROMBOLYSIS
☐ POBA

PCI

(Please enter only number)

TYPE OF PREVIOUS VALVE PROCEDURES PERFORMED

- ☐ AORTIC VALVE BALLOON VALVOTOMY/VALVULOPLASTY
☐ AORTIC VALVE REPAIR, SURGICAL
☐ AORTIC VALVE REPLACEMENT, SURGICAL
☐ AORTIC VALVE REPLACEMENT, TRANSCATHETER
☐ MITRAL VALVE BALLOON VALVOTOMY/VALVULOPLASTY
☐ MITRAL VALVE REPAIR, SURGICAL
☐ MITRAL VALVE REPLACEMENT, SURGICAL
☐ TRICUSPID VALVE REPAIR, SURGICAL
☐ TRICUSPID VALVE REPLACEMENT, SURGICAL
☐ PULMONARY VALVE BALLOON VALVOTOMY/VALVULOPLASTY
☐ PULMONARY VALVE REPLACEMENT, SURGICAL
☐ PULMONARY VALVE REPLACEMENT, TRANSCATHETER
(Select all applicable procedures)

OTHER PREVIOUS INTERVENTIONS

- ☐ CATHETER ABLATION FOR ATRIAL ARRHYTHMIA
☐ CATHETER ABLATION FOR VENTRICULAR ARRHYTHMIA
☐ CLOSURE DEVICE, ATRIAL SEPTAL DEFECT
☐ CLOSURE DEVICE, VENTRICULAR SEPTAL DEFECT
☐ CARDIOVERSION(S)
☐ IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD) WITH OR WITHOUT PACE-MAKER
☐ PERMANENT PACEMAKER
☐ ECMO
☐ TOTAL ARTIFICIAL HEART (TAH)
(Select all applicable procedures)

Diagnosis

Record id

DIAGNOSIS (Select all applicable)ISCHEMIC HEART
DISEASEVALVULAR HEART
DISEASE

AORTIC DISEASE

OTHER CARDIAC
LESIONS

-

☐☐☐☐**ISCHEMIC HEART DISEASE**

CAD DISEASE TYPE

- ☐ SINGLE VESSEL
☐ DOUBLE VESSEL
☐ TRIPLE VESSEL
☐ LMCA EQUIVALENT
☐ LMCA , TVD
☐ LMCA, DVD
☐ INSTANT RESTENOSIS

MECHANICAL COMPLICATIONS OF ISCHEMIC HEART DISEASE

- ☐ LV ANEURYSM
☐ ISCHEMIC MR
☐ POST-INFARCT VSD
☐ OTHERS

If other enter the complication

VALVULAR HEART DISEASE

VALVES

- ☐ AORTIC
☐ MITRAL
☐ TRICUSPID
☐ PULMONARY
(Select all applicable procedures)

VALVULAR HEART DISEASE CAUSE

- ☐ CONGENITAL
☐ RHEUMATIC
☐ DEGENERATIVE
☐ INFECTIVE
☐ ANNULAR DILATATION
☐ TRAUMATIC
☐ OTHERS

Valvular heart disease type

- ☐ Acute
☐ Chronic

AORTIC STENOSIS

- ☐ MILD ☐ MODERATE
☐ SEVERE

AORTIC INSUFFICIENCY

- ☐ MILD
☐ MODERATE
☐ SEVERE

AORTIC CALCIFICATION

☐ Yes
☐ No

Calcification sub type (Tick all applicable)

Leaflet

☐

Annulus

☐

Aortic wall

☐

Extending into mitral

☐
MITRAL VALVULAR DISEASE

MITRAL STENOSIS

☐ MILD ☐ MODERATE
☐ SEVERE

MITRAL INSUFFICIENCY

☐ ACUTE
☐ CHRONIC
☐ MILD
☐ MODERATE
☐ SEVERE

MITRAL CALCIFICATION

☐ Yes
☐ No

Mitral Calcification type (Tick all applicable)

Leaflet

☐

Annulus

☐

Extensive

☐
TRICUSPID VALVULAR DISEASE

TRICUSPID INSUFFICIENCY

MILD

☐

MODERATE

☐

SEVERE

☐

TRICUSPID STENOSIS

☐ SIGNIFICANT
☐ INSIGNIFICANT

Tricuspid Calcification

☐ Leaflet
☐ Annulus
☐ Extensive
☐ None

PULMONARY VALVULAR DISEASE

PULMONARY STENOSIS

MILD

☐

MODERATE

☐

SEVERE

☐

PULMONARY INSUFFICIENCY

☐
☐
☐

Pulmonary Calcification

☐ Leaflet
☐ Annulus
☐ Extensive
☐ None

Aortic Diseases Preoperative Evaluation

PRESENTING SYMPTOM	PAIN CHF CARDIAC ARREST SYNCOPE INFECTION ASYMPTOMATIC INJURY RELATED TO SURGICAL COMPLICATION NEURO DEFICIT STROKE LIMB NUMBNESS PARALYSIS HOARSENESS (ACUTE VOCAL CORD DYSFUNCTION)
AORTIC DISEASE	AORTIC DISSECTION AORTIC ANEURYSM
AORTIC DISSECTION	TYPE A TYPE B
AORTIC ANEURYSM	ASCENDING AORTA ANEURYSM ARCH ANEURYSM DESCENDING AORTA ANEURYSM ABDOMINAL AORTA ANEURYSM
ETIOLOGY OF ANEURYSM	ATHEROSCLEROSIS INFECTION INFLAMMATORY CONNECTIVE TISSUE/SYNDROMIC DISSORDER ULCERATIVE PLAQUE/PENETRATING ULCER PSEUDOANE MYCOTIC TRAUMATIC TRANSECTION INTERCOSTAL VISCERAL PATCH ANASTOMOTIC SITE AORTIC VALVE MORPHOLOGY CHRONIC DISSECTION UNKNOWN
ARCH ANOMALIES	ARCH TYPE RIGHT ABERRANT RIGHT SUBCLAVIAN KOMMERELL / DUCTUS BULGE VARIANT VERTEBRAL ORIGIN ABERRANT LEFT SUBCLAVIAN BOVINE

PRIOR AORTIC INTERVENTION REPAIR

	OPEN	ENDOCASCULAR	HYBRID
AORTA ROOT (ZONE 0 -A)	☐	☐	☐
AORTA ASCENDING (ZONE 0 - B&C)	☐	☐	☐
AORTA ARCH (ZONES 1,2,3)	☐	☐	☐
AORTA DESCENDING (ZONES 4,5)	☐	☐	☐

AORTA SUPRARENAL	☐	☐	☐
ABDOMINAL	☐	☐	☐
INFRARENAL ABDOMINAL	☐	☐	☐

AORTA ENDOLEAK INVOLVEMENT:

	YES	NO
TYPE I: LEAK AT GRAFT ATTACHMENT SITE	☐	☐
TYPE II: ANEURYSM SAC FILLING VIA BRANCH VESSEL	☐	☐
TYPE III: LEAK THROUGH DEFECT IN GRAFT	☐	☐
TYPE IV: LEAK THROUGH GRAFT FABRIC POROSITY	☐	☐

AORTA INFECTION TYPE	☐ GRAFT INFECTION ☐ VALVULAR ENDOCARDITIS ☐ NONVALVULAR ENDOCARDITIS ☐ NATIVE AORTA ☐ MULTIPLE INFECTION TYPES
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AORTIC SEGMENT INVOLVED IN TRAUMA	☐ ROOT ☐ ASCENDING ☐ ARCH ☐ DESCENDING ☐ THORACOABDOMINAL ☐ ABDOMINAL
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ANEURYSM TYPE	☐ FUSIFORM ☐ SACCULAR ☐ ANEURYSM RUPTURE
---------------	--

LOCATION OF MAXIMUM DIAMETER	☐ BELOW STJ ☐ STJ-MIDASCENDING ☐ MIDASCENDING TO DISTAL ASCENDING ☐ ZONE 1 ☐ ZONE 2 ☐ ZONE 3 ☐ ZONE 4 ☐ ZONE 5 ☐ ZONE 6 ☐ ZONE 7 ☐ ZONE 8 ☐ ZONE 9 ☐ ZONE 10 ☐ ZONE 11
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PRIMARY TEAR LOCATION

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING TO DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

MOST PROXIMAL DISSECTION LOCATION

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING TO DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4

DISTAL DISSECTION EXTENSION LOCATION

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING TO DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

MALPERFUSION TYPE

- ☐ CORONARY
- ☐ SUPERIOR MESENTERIC
- ☐ RIGHT SUBCLAVIA
- ☐ RENAL LEFT
- ☐ RIGHT COMMON CAROTID
- ☐ RENAL RIGHT
- ☐ LEFT COMMON CAROTID
- ☐ ILIOFEMORAL
- ☐ LEFT SUBCLAVIAN
- ☐ SPINAL
- ☐ CELIAC

RETROGRADE DISSECTION CAUSED BY AORTIC STENT GRAFT
(POST TEVAR)

- ☐ Yes
- ☐ No

ANEURYSM RUPTURE LOCATION

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING TO DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

AORTA-ANNULAR ECTASIA

- ☐ YES
- ☐ NO
- ☐ UNKNOWN

ASYMMETRIC ROOT DILATION LOCATION

- ☐ LEFT
- ☐ RIGHT
- ☐ NON-CORONARY

LOCATION
PROXIMAL TO TREATED ZONE(S) (LARGEST DIAMETER)
AVAILABLE

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING-DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

LOCATION
DISTAL TO TREATED ZONE(S) (LARGEST DIAMETER) AVAILABLE

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING-DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

TREATED ZONE WITH THE LARGEST DIAMETER:

- ☐ BELOW STJ
- ☐ STJ-MIDASCENDING
- ☐ MIDASCENDING-DISTAL ASCENDING
- ☐ ZONE 1
- ☐ ZONE 2
- ☐ ZONE 3
- ☐ ZONE 4
- ☐ ZONE 5
- ☐ ZONE 6
- ☐ ZONE 7
- ☐ ZONE 8
- ☐ ZONE 9
- ☐ ZONE 10
- ☐ ZONE 11

OTHER CARDIAC LESIONS

ANY CONGENITAL HEART LESIONS

HOCM

- ☐ Yes
- ☐ No

MARON CLASSIFICATION

- ☐ TYPE I
- ☐ TYPE II
- ☐ TYPE II
- ☐ TYPE III
- ☐ TYPE IV

CTEPH

- ☐ Yes
- ☐ No

UCSD/JAMIESON CLASSIFICATION

- ☐ TYPE I
- ☐ TYPE II
- ☐ TYPE III
- ☐ TYPE IV

SINUS OF VALSALVA

- ☐ ANEURYSM
- ☐ RUPTURE

SAKAKIBARA AND KONNO CLASSIFICATION OF SOV
RUPTURE

- ☐ TYPE I
- ☐ TYPE II
- ☐ TYPE IIIV
- ☐ TYPE IIIA
- ☐ TYPE IV
- ☐ TYPE V

PERICARDIAL DISEASE

- ☐ CHRONIC PERICARDITIS
- ☐ PERICARDIAL EFFUSION
- ☐ PERICARDIAL TUMOR

ETIOLOGY
CHRONIC PERICARDITIS

- ☐ IDIOPATHIC
- ☐ TRAUMA
- ☐ POST INFARCTION / POST DRESSLER'S
- ☐ INFECTIVE
- ☐ COLLAGEN VASCULAR DISEASE
- ☐ NEOPLASIA
- ☐ DRUGS

ADDITIONAL DETAILS OF ETIOLOGY OF CHRONIC PERICARDITIS

CHRONIC PERICARDITIS TYPE / LOCATION

- ☐ LOCALISED
☐ GENERALISED
☐ ANNULAR
☐ OCCULT
☐ TRANSIENT

CHRONIC PERICARDITIS STAGE

- ☐ STAGE OF EFFUSION
☐ STAGE OF ABSORPTION
☐ STAGE OF PERICARDIAL CONSTRICTION

**INVESTIGATION USED FOR
CHRONIC PERICARDITIS**

- ☐ 2D ECHO
☐ CARDIAC CATHETERISATION
☐ MRI
☐ CT

PERICARDIAL EFFUSION - ETIOLOGY

- ☐ CARDIAC TRAUMA
☐ POST CARDIAC SURGERY
☐ HEART FAILURE
☐ COAGULOPATHY
☐ MALIGNANCY
☐ METABOLIC
☐ OTHERS

PERICARDIAL TAMPONADE

- ☐ Yes
☐ No

**TYPE
PERICARDIAL ETIOLOGY**

- ☐ ACUTE
☐ CHRONIC

CARDIAC TUMOURS

	LEFT ATRIAL	RIGHT ATRIAL	LEFT VENTRICULAR	RIGHT VENTRICULAR	BI-ATRIAL	MULTIPLE SITES
PRIMARY TUMOUR SITES	☐	☐	☐	☐	☐	☐

TYPE OF BENIGN PRIMARY TUMOURS

- ☐ MYXOMA
☐ LIPOMA
☐ FIBROELASTOMA
☐ RHABDOMYOMA
☐ FIBROMA
☐ HAEMANGIOMA
☐ TERATOMA
☐ NEUROFIBROMA
☐ LYMPHANGIOMA

TYPE OF PRIMARY MALIGNANT TUMOURS

- ☐ ANGIOSARCOMA
☐ RHABDOMYOSARCOMA

SECONDARY TUMOUR - ETIOLOGY (SPECIFY)

MEDIASTINITIS

MEDIASTINITIS - ETIOLOGY

MEDIASTINITIS TYPES (SPECIFY)

- ☐ SUPERFICIAL
☐ DEEP

MEDIASTINITIS INFECTIVE LESIONS ORGANISM (SPECIFY)

CARDIAC ANEURYSMS

ANEURYSM SITE

- ☐ RIGHT VENTRICULAR
☐ LEFT VENTRICULAR
☐ PULMONARY ARTERY
☐ RIGHT ATRIAL

ANEURYSM-ETIOLOGY

- ☐ TRAUMATIC
☐ CONGENITAL
☐ IATROGENIC
☐ INFECTIVE

ANEURYSM ADDITIONAL DETAILS (SPECIFY)

COMPLICATIONS OF ANEURYSM

- ☐ ARRHYTHMIAS
☐ THROMBO-EMBOLIC
☐ OTHERS

OTHER COMPLICATIONS OF ANEURYSM (SPECIFY)

ARRHYTHMIAS

TACHYARRHYTHMIAS

- ☐ SUPRA VENTRICULAR TACHYCARDIA
☐ ATRIAL FIBRILLATION
☐ ATRIAL FLUTTER
☐ VENTRICULAR FIBRILLATION
☐ VENTRICULAR TACHYCARDIA
☐ VENTRICULAR TACHYCARDIA

TACHYARRHYTHMIAS - ETIOLOGY

- ☐ ISCHEMIC
☐ POST CARDIOTOMY
☐ ANEURYSM
☐ OTHERS

BRADYARRHYTHMIAS
(DEGREE OF HEART BLOCK)

- ☐ 1ST DEGREE
☐ 2ND DEGREE TYPE I
☐ 2ND DEGREE TYPE II
☐ 3RD DEGREE
☐ COMPLETE HEART BLOCK

BRADYARRHYTHMIAS

- ☐ IATROGENIC
☐ CONGENITAL
☐ OTHERS

BRADYARRHYTHMIAS OTHER ETIOLOGY (SPECIFY)

HEART FAILURE

	LEFT HEART FAILURE	RIGHT HEART FAILURE	BIVENTRICULAR FAILURE
HEART FAILURE TYPE	☐	☐	☐

Hemodynamics, cath & Echo

Record id

INVESTIGATION

☐ CATH DATA☐ ECHO DATA**STENOSIS %**

	< 50%	50-69%	>70%
LEFT MAIN STENOSIS %	☐	☐	☐
LAD STENOSIS %	☐	☐	☐
RAMUS STENOSIS %	☐	☐	☐
CIRCUMFLEX STENOSIS %	☐	☐	☐
RCA STENOSIS %	☐	☐	☐

LOCATION OF LAD DISEASE

☐ PROXIMAL☐ MID☐ DISTAL☐ STENOTIC GRAFT☐ STENOTIC STENT

LOCATION OF RAMUS DISEASE

☐ NATIVE ARTERY STENOSIS☐ STENOTIC GRAFT☐ STENOTIC STENT

LOCATION OF CIRCUMFLEX DISEASE

☐ CIRCUMFLEX DISEASE☐ OM 1 DISEASE☐ OM 2 DISEASE☐ STENOTIC GRAFT☐ STENOTIC STENT

LOCATION OF RCA DISEASE

☐ PROXIMAL☐ MID☐ DISTAL☐ PDA DISEASE☐ PLV DISEASE☐ ACCUTE MARGINAL DISEASE☐ STENOTIC GRAFT☐ STENOTIC STENTPA SYSTOLIC PRESSURE MMHG
ECHO

(MM)

ECHO DATA**REGURGITATION STATUS**

	TRIVIAL/TRACE	MILD	MODERATE	SEVERE	NORMAL
AORTIC REGURGITATION	☐	☐	☐	☐	☐
MITRAL REGURGITATION	☐	☐	☐	☐	☐
TRICUSPID REGURGITATION	☐	☐	☐	☐	☐
PULMONARY REGURGITATION	☐	☐	☐	☐	☐

STENOSIS STATUS

	MILD	MODERATE	SEVERE	NOT DOCUMENTED
AORTIC STENOSIS	☐	☐	☐	☐
MITRAL STENOSIS	☐	☐	☐	☐
PULMONIC STENOSIS	☐	☐	☐	☐

TRICUSPID STENOSIS

- ☐ SIGNIFICANT
☐ INSIGNIFICANT
☐ NOT DOCUMENTED

AORTIC Annulus in mm

 (Please enter only number)

Sino tubular junction in mm

Ascending aorta in mm

LAES Dimension in mm

 (Please enter only number)

LVES Dimension in mm

 (Please enter only number)

LVED Dimension in mm

 (Please enter only number)

EJECTION FRACTION %:

 (Please enter only number)
PA SYSTOLIC PRESSURE MMHG
CATH

PERICARDIUM

- ☐ NORMAL
☐ THICKENED
☐ CALCIFICATION
☐ EFFUSION

CHAMBERS

LV CHAMBERS

☐ ENLARGED
☐ CLEAR
☐ THROMBUS
☐ HYPERTROPHY
☐ RWMA-YES

LA RA RV CHAMBERS

	NORMAL	ENLARGED	THROMBUS
LA CHAMBERS	☐	☐	☐
RA CHAMBERS	☐	☐	☐
RV CHAMBERS	☐	☐	☐

Common Operative Details

Record id

Fellow's Contribution

Only for IACTS Fellowship

(Please enter what you did during the surgery)

TYPE OF SURGERY

- ☐ ELECTIVE
- ☐ URGENT
- ☐ EMERGENCY
- ☐ EMERGENT SALVAGE

SURGICAL APPROACH

- ☐ OPEN
- ☐ MINIMAL INVASIVE
- ☐ VIDEO ASSISTED
- ☐ ROBOTIC
- ☐ OTHER

OTHER SURGICAL APPROACH

INCISION

- ☐ FULL STERNOTOMY
- ☐ PARTIAL STERNOTOMY
- ☐ TRANSVERSE STERNOTOMY
- ☐ POSTEROLATERAL THORACOTOMY
- ☐ PARASTERNAL
- ☐ ANTERIOR THORACOTOMY
- ☐ SUB-XIPHOID
- ☐ EPIGASTERIC
- ☐ SUBCOSTAL
- ☐ REDO STERNOTOMY
- ☐ REDO THORACOTOMY

CPB UTILIZATION

- ☐ FULL
- ☐ PARTIAL
- ☐ NO

LOWEST TEMPERATURE
(CELSIUS)

ARTERIAL CANNULATION INSERTION SITE:

- ☐ AORTIC
- ☐ AXILLARY
- ☐ FEMORAL
- ☐ INNOMINATE
- ☐ OTHER

ARTERIAL CANNULATION SITE OTHER

VENOUS CANNULATION INSERTION SITE:

- ☐ Bicaval
- ☐ TWO STAGE RIGHT ATRIAL
- ☐ FEMORAL
- ☐ JUGULAR
- ☐ OTHERS

OTHER VENOUS CANNULATION INSERTION SITE:

AORTIC CROSS CLAMP TIME
MINUTES

(Please enter only number)

CARDIOPULMONARY BYPASS TIME (MINUTES):

(Please enter only number)

TOTAL CIRCULATORY ARREST TIME:
(with antegrade cerebral perfusion)

(Please enter only number)

CIRCULATORY ARREST WITHOUT CEREBRAL PERFUSION TIME:

(Please enter only number)

CARDIOPLEGIA DELIVERY METHOD

- ☐ NONE
- ☐ ANTEGRADE ROOT
- ☐ DIRECT OSTIAL
- ☐ RETROGRADE
- ☐ BOTH

TYPE OF CARDIOPLEGIA USED:

- ☐ Del Nido
- ☐ Custodiol / Bretschneider (HTK)
- ☐ Buckberg
- ☐ Plegisol / St. Thomas
- ☐ OTHERS

OTHER CARDIOPLEGIA

PROSTHETIC GRAFTS/ CONDUITS USED

- ☐ TREATED AUTOLOGOUS PERICARDIAL PATCH
- ☐ UNTREATED AUTOLOGOUS PERICARDIAL PATCH
- ☐ BOVINE PERICARDIAL PATCH
- ☐ PTFE PATCH
- ☐ COLLAGEN IMPREGNATED PATCH
- ☐ COLLAGEN IMPREGNATED GRAFT
- ☐ PTFE GRAFT
- ☐ DACRON PATCH
- ☐ DONOR PERICARDIUM

Intra Operative Findings Procedures

Record id

INTRAOPERATIVE FINDINGS & PROCEDURES

ISCHEMIC HEART
DISEASE☐VALVULAR HEART
DISEASE☐

AORTIC DISEASE

☐OTHER CARDIAC
LESIONS☐

ISCHEMIC HEART DISEASE FINDINGS

YES

☐

NO

☐LEFT VENTRICULAR HYPER
TROPY

LEFT VENTRICULAR CONTRACTION

- ☐ GOOD
☐ FAIR
☐ DYSKINETIC
☐ HYPOKINETIC
☐ AKINETIC

LEFT VENTRICULAR ANEURYSM / SCAR REGIONS

ANTERIOR

☐

LATERAL

☐

INFERIOR

☐

BASAL

☐

APICAL

☐LEFT VENTRICULAR
ANEURYSM(REGION)☐☐☐☐☐LEFT VENTRICULAR SCAR
(REGION)

VENTRICULAR SEPTAL RUPTURE

- ☐ ANTERIOR SEPTUM
☐ INFERIOR SEPTUM

MITRAL VALVE

DYSFUNCTIONAL

☐

RUPTURE

☐

MITRAL PAPILLARY MUSCLE

MITRAL REGURGITATION

- ☐ ACUTE
☐ CHRONIC

MITRAL ANNULUS

- ☐ DILATED
☐ NORMAL

AORTA

- ☐ NORMAL
☐ PLAQUES
☐ CALCIFIED

PULMONARY ARTERY

- ☐ SOFT
☐ TENSE

CAROTID DISEASE

CAROTID DISEASE

- ☐ RIGHT SIGNIFICANT
☐ RIGHT INSIGNIFICANT
☐ LEFT SIGNIFICANT
☐ LEFT INSIGNIFICANT

LOCATION OF PLAQUE

- ☐ LEFT COMMON CAROTID ARTERY
☐ RIGHT COMMON CAROTID ARTERY
☐ LEFT INTERNAL CAROTID ARTERY
☐ RIGHT INTERNAL CAROTID ARTERY

CORONARY ARTERY BYPASS GRAFTING PROCEDURE

	ON PUMP CABG	OFF PUMP CABG	ON PUMP BEATING HEART
CORONARY ARTERY BYPASS GRAFTING TYPE	☐	☐	☐

ARTERIAL GRAFT (Please mention the vessels on which arterial graft was used)

(Use comma to separate the vessels)

VEIN GRAFT (Please mention the vessels on which vein graft was used)

(Use comma to separate the vessels)

CORONARY ARTERY BYPASS CONDUITS TARGETS (Tick the vessels on which the respective conduits were used)

	LAD	D 1	D 2	RAMUS	OM 1	OM 2	OM 3	OM 4	RCA	AM	PDA	PLV
LIMA	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
RIMA	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FREE IMA	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
LRAD	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
RRAD	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
GASTRO EPIPLOIC	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
VEIN GRAFT	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

ARTERIOTOMY SITE

	LAD	D 1	D 2	RAMUS	OM 1	OM 2	OM 3	OM 4	RCA	AM	PDA	PLV
PLAQUE	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
INTRA MYOCARDIAL	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
GOOD	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

MECHANICAL COMPLICATIONS OF ISCHEMIC HEART DISEASE

ACQUIRED VSD REPAIR:

LV ANEURYSM REPAIR TECHNIQUE:

VALVULAR DISEASE

	AORTIC	MITRAL	TRICUSPID	PULMONARY
-	☐	☐	☐	☐

AORTIC WALL

- ☐ NORMAL
☐ THINNED
☐ ANEURYSMAL

AORTIC ANNULUS

- ☐ NORMAL
☐ DILATED
☐ NARROW
☐ CALCIFIED

AORTIC COMMISSURES

- ☐ FUSED
☐ CALCIFIED
☐ OPEN

AORTIC CUSPS

- ☐ THICKENED
☐ CALCIFIED

CORONARY OSTIA

	NORMAL	STENOSED
RIGHT	☐	☐
LEFT	☐	☐

MITRAL VALVE FINDINGS

	FUSED	CALCIFIED	OPEN
ANTEROLATERAL COMMISSURE	☐	☐	☐
POSTEROMEDIAL COMMISSURE	☐	☐	☐

	TEAR IN	CALCIFIED	FIBROTIC	FIXED	THICK	FUSED
AML FINDINGS	☐	☐	☐	☐	☐	☐
PML FINDINGS	☐	☐	☐	☐	☐	☐

MITRAL ANULUS

- ☐ NORMAL
☐ DILATED
☐ NARROW
☐ CALCIFIED

MITRAL SUB VALVULAR CHORDAL APPARATUS

- ☐ RUPTURE
☐ FUSED
☐ SHORTENED
☐ ELONGATED

PAPILLARY MUSCLE

- ☐ FUSED
☐ NORMAL

LEFT ATRIUM

	YES	NO
LA CLOT	☐	☐
LAA CLOT	☐	☐

LEFT ATRIUM WALL	☐ NORMAL ☐ THICK ☐ THIN ☐ CALCIFIED
------------------	--

TRICUSPID VALVE FINDINGS

	NORMAL	DILATED	SMALL
TRICUSPID ANNULUS	☐	☐	☐

TRICUSPID LEAFLETS	☐ NORMAL ☐ FIBROTIC ☐ TEAR IN
--------------------	---

TRICUSPID COMMISSURES	☐ OPEN ☐ FUSED
-----------------------	---

SUB VALVULAR APPARATUS	☐ NORMAL ☐ FUSED
------------------------	---

PULMONARY VALVE FINDINGS

	NORMAL	THINNED	ANEURYSMAL
PULMONARY ARTERY WALL	☐	☐	☐

PULMONARY ANNULUS	☐ NORMAL ☐ DILATED ☐ NARROW ☐ CALCIFIED
-------------------	--

PULMONARY COMMISSURES	☐ FUSED ☐ CALCIFIED ☐ OPEN
-----------------------	--

PULMONARY CUSPS	☐ THICKENED ☐ CALCIFIED
-----------------	--

VALVULAR PROCEDURES

TYPE OF PROSTHETIC	☐ MECHANICAL ☐ BIO ☐ HOMOGRAFT
--------------------	--

BIOPROSTHETIC - VALVE TYPE	☐ STENTED ☐ STENTLESS SUB CORONARY VALVE ONLY ☐ SUTURELESS/RAPID DEPLOYMENT
----------------------------	---

REPLACED VALVE POSITION

- ☐ AORTIC
☐ MITRAL
☐ TRICUSPID
☐ PULMONARY

REPLACED VALVE SIZE (MM) AND MANUFACTURER

Valve Repair

- ☐ AORTIC
☐ MITRAL
☐ TRICUSPID
☐ PULMONARY

AORTIC VALVE PROCEDURES

AORTIC REPAIR TYPE/ RECONSTRUCTION

- ☐ COMMISSURAL SUTURE ANNULOPLASTY
☐ NODULAR RELEASE
☐ LEAFLET RESECTION SUTURE
☐ LEAFLET PLICATION
☐ LEAFLET SHAVING
☐ LEAFLET PERICARDIAL PATCH
☐ LEAFLET COMMISSURAL RESUSPENSION SUTURE
☐ LEAFLET DEBRIDEMENT
☐ DIVISION OF FUSED LEAFLET RAPHE
☐ LEAFLET FREE EDGE REINFORCEMENT
☐ RING ANNULOPLASTY EXTERNAL RING
☐ RING ANNULOPLASTY INTERNAL RING
☐ EXTERNAL SUTURE ANNULOPLASTY
☐ PANNUS/THROMBUS REMOVAL (NATIVE VALVE)
☐ AUTO PERICARDIAL RECONSTRUCTION

AORTIC ANNULAR ENLARGEMENT YES

	NICKS-NUNEZ	MANOUGIAN	KONNO	OTHER	UNKNOWN
AORTIC ANNULAR ENLARGEMENT TECHNIQUE	☐	☐	☐	☐	☐

ROOT REPLACEMENT WITH CORONARY OSTIAL REIMPLANTATION ☐ COMPOSITE VALVE CONDUIT
☐ VALVE SPARING ROOT

ROOT REPLACEMENT WITH CORONARY OSTIAL REIMPLANTATION ☐ MECHANICAL
 COMPOSITE VALVE CONDUIT ☐ BIOPROSTHETIC
☐ HOMOGRAFT ROOT REPLACEMENT
☐ AUTOGRAFT WITH NATIVE PULMONARY VALVE (ROSS)

IF CORONARY OSTIAL REIMPLANTATION NOT POSSIBLE-
☐ DIRECT TO ROOT PROSTHESIS (BUTTON)
☐ WITH VEIN GRAFT EXTENSION (SVG CABROL)
☐ WITH DACRON GRAFT EXTENSION (CLASSIC CABROL)

ROSS PROCEDURE
☐ SUBCORONARY INSERTION
☐ CYLINDER TECHNIQUE
☐ ROOT REPLACEMENT TECHNIQUE

NEOCUSPIDIZATION OF AORTIC VALVE / OZAKI TECHNIQUE

PATCH MATERIAL

TRANSCATHETER AORTIC VALVE REPLACEMENT

TRANSCATHETER REPLACEMENT DEVICE SIZE AND MANUFACTURER

SUPRAVALVAR AORTIC STENOSIS REPAIR - SPECIFY LEFT HEART LESIONS

Aortic valve type

- ☐ MECHANICAL
☐ BIOPROSTHETIC
☐ HOMOGRAFT

AORTIC VALVE SIZE in mm

MITRAL VALVE REPLACEMENT & CHORDAL PRESERVATION

	TOTAL AML	PARTIAL AML	TOTAL PML	PARTIAL PML
CHORDAL PRESERVATION TECHNIQUE	☐	☐	☐	☐

MITRAL VALVE REPAIR

MITRAL VALVE LEAFLET REPAIR TECHNIQUES (SELECT ALL THAT APPLY):

- ☐ TRIANGULAR ALONE
☐ QUADRANGULAR ALONE
☐ RESECTION WITH SLIDING VALVULOPLASTY
☐ RESECTION WITH FOLDING VALVULOPLASTY
☐ OTHER

IF MITRAL SURGICAL NEOCHORDS (PTFE) CREATION

- ☐ ANTERIOR
☐ POSTERIOR
☐ BOTH
☐ NOT DOCUMENTED

CHORDAL TRANSFER TECHNIQUES

- ☐ ANTERIOR LEAFLET CHORDAL TRANSFER
☐ POSTERIOR LEAFLET CHORDAL TRANSFER
☐ CHORDAL SHORTENING

MITRAL ANNULOPLASTY TECHNIQUES

- ☐ ANNULOPLASTY RING SURGICAL
☐ ANNULOPLASTY WITHOUT RING (PERICARDIAL OR SUTUR

Mitral valve type

- ☐ MECHANICAL
☐ BIOPROSTHETIC
☐ HOMOGRAFT

Mitral valve size in mm

LEFT ATRIAL PROCEDURES

	YES	NO
LEFT ATRIUM REDUCTION	☐	☐
LEFT ATRIAL CLOT REMOVAL	☐	☐
LEFT ATRIAL APPENDAGE CLOT REMOVAL	☐	☐

LEFT ATRIAL APPENDAGE CLOSURE

☐ INTERNAL CLOSURE
☐ EXTERNAL CLOSURE

TRANSCATHETER MITRAL VALVE PROCEDURES

TRANSCATHETER MITRAL VALVE PROCEDURES

☐ TRANSCATHETER REPLACEMENT DEVICE IMPLANTED OPEN HEART
☐ TRANSCATHETER REPLACEMENT DEVICE (TRANSAPICAL)
☐ TRANSCATHETER REPLACEMENT DEVICE (TRANS-SEPTAL)
☐ ANNULOPLASTY RING TRANSCATHETER
☐ MITRAL LEAFLET CLIP

TRICUSPID VALVE REPAIR TECHNIQUES

TRICUSPID REPAIR

☐ ANNULOPLASTY
☐ TRANSCATHETER CLIP/DEVICE
☐ LEAFLET AUGMENTATION
☐ COMMISSUROTOMY

TRICUSPID ANNULOPLASTY TECHNIQUE

☐ PERICARDIUM
☐ SUTURE
☐ PROSTHETIC RING
☐ PROSTHETIC BAND
☐ OTHER

Tricuspid valve type

☐ MECHANICAL
☐ BIOPROSTHETIC
☐ HOMOGRAFT

Tricuspid valve size in mm

PULMONARY VALVE PROCEDURES

PULMONARY POSITION IMPLANT DEVICE TYPE

☐ MECHANICAL VALVE
☐ BIOPROSTHETIC VALVE
☐ HOMOGRAFT
☐ TRANSCATHETER VALVE
☐ OTHER
☐ TRANSCATHETER DEVICE IMPLANTED OPEN HEART

Pulmonary valve size in mm

PROSTHETIC HEART VALVE LESIONS

EXPLANT POSITION

- ☐ AORTIC
☐ MITRAL
☐ TRICUSPID
☐ PULMONIC

EXPLANT ETIOLOGY

- ☐ ENDOCARDITIS
☐ INCOMPETENCE
☐ PROSTHETIC DETERIORATION
☐ THROMBUS
☐ FAILED REPAIR
☐ PANNUS
☐ SIZING/POSITIONING ISSUE
☐ OTHER
☐ HEMOLYSIS
☐ PARAVALVULAR LEAK
☐ STENOSIS
☐ UNKNOWN

EXPLANT TYPE

- ☐ MECHANICAL VALVE
☐ BIOPROSTHETIC VALVE
☐ HOMOGRAFT
☐ AUTOGRAFT
☐ ANNULOPLASTY DEVICE
☐ LEAFLET CLIP
☐ TRANSCATHETER VALVE
☐ TRANSCATHETER VALVE IN VALVE WITH PROSTHETIC VA
☐ OTHER
☐ UNKNOWN

EXPLANT MODEL#

AORTIC PROCEDURES AND INTERVENTIONS

ENDOVASCULAR BALLOON FENESTRATION OF THE DISSECTION FLAP:

- ☐ PREOP
☐ INTRAOP
☐ POSTOP
☐ N/A

SURGICAL ASCENDING AORTA & ARCH PROCEDURE PROXIMAL SITE:

- ☐ STJ-MIDASCENDING
☐ MIDASCENDING TO DISTAL ASCENDING
☐ ZONE 1
☐ ZONE 2
☐ ZONE 3

SURGICAL ASCENDING AORTA & ARCH PROCEDURE DISTAL SITE:

- ☐ ASCENDING AORTA
☐ HEMIARCH
☐ ZONE 1
☐ ZONE 2
☐ ZONE 3
☐ ZONE 4

DISTAL EXTENTION:

- ☐ ELEPHANT TRUNK
☐ FROZEN ELEPHANT TRUNK
☐ NO

ARCH BRANCHES REIMPLANTED:

- ☐ INNOMINATE
☐ RIGHT SUBCLAVIAN
☐ RIGHT COMMON CAROTID
☐ LEFT COMMON CAROTID
☐ LEFT SUBCLAVIAN
☐ LEFT VERTEBRAL
☐ OTHER

 OPEN SURGICAL DESCENDING THORACIC AORTA OR
 THORACOABDOMINAL PROCEDURE
 PROXIMAL SITE:

- ☐ REVERSE HEMIARCH
☐ ZONE 0
☐ ZONE 1
☐ ZONE 2
☐ ZONE 3
☐ ZONE 4
☐ ZONE 5
☐ ZONE 6
☐ ZONE 7
☐ ZONE 8
☐ ZONE 9

 OPEN SURGICAL DESCENDING THORACIC AORTA OR
 THORACOABDOMINAL PROCEDURE
 DISTAL SITE:

- ☐ ZONE 3
☐ ZONE 4
☐ ZONE 5
☐ ZONE 6
☐ ZONE 7
☐ ZONE 8
☐ ZONE 9
☐ ZONE 10
☐ ZONE 11

INTERCOSTAL REIMPLANTATION:

- ☐ Yes
☐ No

VISCERAL VESSEL INTERVENTION:

	CELIAC	SUPERIOR MESENTERIC	RIGHT RENAL	LEFT RENAL
REIMPLANTATION	☐	☐	☐	☐
BRANCH GRAFT	☐	☐	☐	☐
EXTRA ANATOMIC BYPASS GRAFT	☐	☐	☐	☐

ENDOVASCULAR PROCEDURES

PROXIMAL LANDING ZONE:

- ☐ BELOW STJ
☐ STJ-MIDASCENDING
☐ MIDASCENDING TO DISTAL ASCENDING
☐ ZONE 1
☐ ZONE 2
☐ ZONE 3
☐ ZONE 4
☐ ZONE 5
☐ ZONE 6
☐ ZONE 7
☐ ZONE 8
☐ ZONE 9
☐ ZONE 10
☐ ZONE 11

DISTAL LANDING ZONE:

- ☐ BELOW STJ
☐ STJ-MIDASCENDING
☐ MIDASCENDING TO DISTAL ASCENDING
☐ ZONE 1
☐ ZONE 2
☐ ZONE 3
☐ ZONE 4
☐ ZONE 5
☐ ZONE 6
☐ ZONE 7
☐ ZONE 8
☐ ZONE 9
☐ ZONE 10
☐ ZONE 11

ARCH VESSEL MANAGEMENT

	NATIVE FLOW	ENDO VASCULAR BRANCH GRAFT	ENDO VASCULAR PARALLEL GRAFT	EXTRA-ANATO MIC BYPASS	FENESTRATED	NO FLOW RESTORED
INNOMINATE:	☐	☐	☐	☐	☐	☐

IF EXTRA-ANATOMIC BYPASS LOCATIONS

- ☐ AORTA-INNOMINATE
☐ AORTA-RIGHT CAROTID
☐ AORTA- RIGHT SUBCLAVIAN
☐ RIGHT CAROTID- RIGHT SUBCLAVIAN
☐ OTHER

ARCH VESSEL LEFT CAROTID:

- ☐ NATIVE FLOW
☐ ENDOVASCULAR BRANCH GRAFT
☐ ENDOVASCULAR PARALLEL GRAFT
☐ EXTRA-ANATOMIC BYPASS
☐ FENESTRATED
☐ NO FLOW RESTORED

IF EXTRA-ANATOMIC BYPASS LOCATIONS

- ☐ AORTA- LEFT CAROTID
☐ INNOMINATE- LEFT CAROTID
☐ RIGHT CAROTID- LEFT CAROTID
☐ OTHER

ARCH VESSEL LEFT SUBCLAVIAN:

- ☐ NATIVE FLOW
☐ ENDOVASCULAR BRANCH GRAFT
☐ ENDOVASCULAR PARALLEL GRAFT
☐ EXTRA-ANATOMIC BYPASS
☐ FENESTRATED
☐ NO FLOW RESTORED

LEFT SUBCLAVIAN: EXTRA ANATOMIC BYPASS

- ☐ NATIVE FLOW
☐ ENDOVASCULAR BRANCH GRAFT
☐ ENDOVASCULAR PARALLEL GRAFT
☐ EXTRA-ANATOMIC BYPASS
☐ FENESTRATED
☐ NO FLOW RESTORED

ENDOLEAK AT END OF PROCEDURE -IF CONVERSION TO OPEN

	DEPLOYMENT FAILURE	ENDOLEAK	RUPTURE	OCCCLUSION / LOSS OF BRANCH
CONVERSION REASON	☐	☐	☐	☐

OTHER CARDIAC LESIONS

MYECTOMY	☐ STANDARD MARROW ☐ EXTENDED MYECTOMY
PULMONARY ENDARTERECTOMY	☐ COMPLETE ☐ INCOMPLETE
SINUS INVOLVED OF VALSALVA ANEURYSM	☐ RCC ☐ LCC ☐ NCC
CHAMBERS INVOLVED SINUS OF VALSALVA ANEURYSM	☐ RA ☐ RV ☐ LA ☐ LV ☐ PA
SINUS OF VALSALVA REPAIR	☐ ANEURYSM REPAIR WITH UNICAMERAL APPROACH ☐ RUPTURE REPAIR WITH UNICAMERAL APPROACH ☐ ANEURYSM REPAIR WITH BICAMERAL APPROACH ☐ RUPTURE REPAIR WITH BICAMERAL APPROACH
ATRIAL FIBRILLATION PROCEDURES SPECIFY	_____
CHRONIC PERICARDITIS PROCEDURES	☐ SUB TOTAL PERICARDIECTOMY ☐ TOTAL PERICARDIECTOMY ☐ RADICAL PERICARDEICTOMY
PROCEDURE FOR PERICARDIAL EFFUSION	☐ PARAXIPHOID PERICARDIOCENTESIS ☐ SUBXIPHOID DRAINAGE OF THE PATIENT AND THE UNDERLYING CAUSE ☐ ANTEROLATERAL THORACOTOMY DRAINAGE OF THE PERICARDIAL COLLECTION WITH A PERIDIAL WINDOW ☐ RE-OPENING OF MEDIAN STERNOTOMY
PROCEDURE MEDIASTINITIS INFECTIVE LESIONS	☐ CLOSED IRRIGATION ☐ OPEN DEBRIDEMENT ☐ OMENTO PLASTY ☐ ROBICEK ☐ MUSCLE FLAP RESCONSTRUCTION
SUB AORTIC STENOSIS RESECTION	☐ MUSCLE ☐ MEMBRANE ☐ OTHER ☐ NOT DOCUMENTED ☐ NO
PULMONARY THROMBOEMBOLECTOMY	☐ ACUTE ☐ CHRONIC ☐ NO

ARRHYTHMIA DEVICE

- ☐ PACEMAKER WITH CRT
☐ ICD
☐ ICD WITH CRT
☐ IMPLANTABLE RECORDER
☐ NONE

CARDIAC TUMOURS

HPE TYPE OF CARDIAC TUMOR

TREATMENT MODALITY FOR CARDIAC TUMOUR

- ☐ CHEMO THERAPY
☐ RADIO THERAPY
☐ BOTH

SURGICAL TREATMENT MODALITY
CARDIAC TUMOUR PROCEDURES

- ☐ EXCISION & RECONSTRUCTION
☐ HEART TRANSPLANTATION

Mechanical Cardiac Assist Devices

Record id

TYPE OF CARDIAC ASSIST DEVICE

- ☐ IABP
☐ ECMO
☐ VAD

TYPE OF ECMO

- ☐ VENO-VENOUS
☐ VENO-ARTERIAL
☐ VENO-ARTERIAL VENOUS (VAV)

VAD IMPLANT TYPE

- ☐ RIGHT VAD (RVAD)
☐ LEFT VAD (LVAD)
☐ BIVENTRICULAR VAD (BIVAD)
☐ TOTAL ARTIFICIAL HEART (TAH)

VAD IMPLANT INDICATION:

- ☐ BRIDGE TO TRANSPLANTATION
☐ BRIDGE TO RECOVERY
☐ DESTINATION
☐ POST CARDIOTOMY VENTRICULAR FAILURE
☐ DEVICE MALFUNCTION
☐ END OF (DEVICE) LIFE
☐ SALVAGE

VAD DEVICE MODEL :

VAD EXPLANT REASON:

- ☐ CARDIAC TRANSPLANT
☐ RECOVERY
☐ DEVICE TRANSFER
☐ DEVICE-RELATED INFECTION
☐ DEVICE MALFUNCTION
☐ END OF (DEVICE) LIFE

Post Operative Events

Record id

EXTUBATED IN OR

- ☐ YES
☐ NO
☐ NA(NOT INTUBATED)

TOTAL POST-OPERATIVE VENTILATION HOURS:

(Please enter only number)

TOTAL POSTOPERATIVE ICU DAYS:

(Please enter only number)

TOTAL DAYS OF POSTOPERATIVE HOSPITAL STAY

(Please enter only number)

PATIENT EXPIRED IN OR.

- ☐ Yes
☐ No

RE OPERATION FOR VALVULAR DYSFUNCTION:

- ☐ SURGICAL
☐ TRANSCATHETER

UNPLANNED CORONARY INTERVENTION

- ☐ SURGERY
☐ PCI
☐ BOTH

AORTIC REINTERVENTION

- ☐ OPEN
☐ ENDOVASCULAR

NEUROLOGIC, CENTRAL

NEUROLOGIC COMPLICATIONS

- ☐ POSTOPERATIVE STROKE
☐ ENCEPHALOPATHY
☐ PERIPHERAL LOWER EXTREMITY PARALYSIS>24HOURS
☐ PERIPHERAL PARESIS >24 HOURS
☐ RECURRENT LARYNGEAL NERVE INJURY

PULMONARY COMPLICATIONS

- ☐ PROLONGED VENTILATION(>21DAYS)
☐ TRACHEOSTOMY
☐ PNEUMONIA
☐ PLEURAL EFFUSION REQUIRING DRAINAGE
☐ PNEUMOTHORAX REQUIRING INTERVENTION

RENAL FAILURE REQUIRING HEMODIALYSIS / PERITONEAL DIALYSIS

- ☐ Yes
☐ No

GASTRO-INTESTINAL EVENT

- ☐ ISCHEMIC BOWEL
- ☐ GASTROINTESTINAL BLEED
- ☐ PANCREATITIS
- ☐ CHOLECYSTITIS
- ☐ LIVER DYSFUNCTION/LIVER FAILURE
- ☐ ILEUS
- ☐ OTHER

ANTICOAGULATION RELATED EVENTS

- ☐ BLEEDING
- ☐ HEPARIN INDUCED THROMBOCYTOPENIA(HIT)
- ☐ HEPARIN INDUCED THROMBOCYTOPENIA WITH THROMBOSIS(HITT)

BLEEDING

- ☐ INTRACEREBRAL
- ☐ SUBDURAL
- ☐ GASTROINTESTINAL
- ☐ OTHER SITES

OTHER POST OPERATIVE COMPLICATIONS

- ☐ REOP FOR BLEEDING /TAMPONADE:
- ☐ SUPRA VENTRICULAR arrhythmias
- ☐ VENTRICULAR arrhythmias
- ☐ CHB REQUIRING PERMANENT PACEMAKER
- ☐ INFECTION SEPSIS
- ☐ ACUTE LIMB ISCHEMIA
- ☐ ILIAC/FEMORAL DISSECTION:
- ☐ DEEP VENOUS THROMBOSIS:
- ☐ RHYTHM DISTURBANCE REQUIRING PERMANENT PACEMAKER
- ☐ GRAFT REVISION

TYPE OF MECHANICAL ASSIST DEVICE RELATED COMPLICATION

- ☐ CANNULA/INSERTION SITE ISSUE
- ☐ HEMORRHAGIC
- ☐ THROMBOTIC/ EMBOLIC
- ☐ HEMOLYTIC
- ☐ INFECTION
- ☐ OTHER MECHANICAL ASSIST DEVICE RELATED COMPLICATION

Discharge Mortality

Record id	
STATUS AT HOSPITAL DISCHARGE	☐ DISCHARGED ALIVE, LAST KNOWN STATUS ALIVE (OTHER THAN HOSPICE) ☐ DISCHARGED ALIVE, DIED AFTER DISCHARGE ☐ REFERRED TO ANOTHER HOSPITAL ☐ DIED IN HOSPITAL
PRIMARY CAUSE OF DEATH	☐ CARDIAC ☐ NEUROLOGIC ☐ RENAL ☐ VASCULAR ☐ INFECTION ☐ PULMONARY ☐ UNKNOWN ☐ OTHER
IF DIED IN HOSPITAL	