Demographics

Your CHSS recode number is: _____

Role of Data Entry Person
- ◯ Surgeon
- ◯ Echocardiographer
- ◯ Echo Technician
- ◯ Resident
- ◯ Fellow
- ◯ Clinical Coordinator
- ◯ STS Data Manager
- ◯ Clinical Research Coordinator
- ◯ Other (please specify)

_____If other, please specify _____

Please input surgeon's code _____
(Please enter code with format ####-###)

Procedure
- ◯ Ventricular Septal Defect (VSD) Repair
- ◯ Tetralogy of Fallot Repair
- ◯ Complete Atrioventricular Canal Repair
- ◯ Arterial Switch (TGA)

Date of Index operation (YYYY-MM-DD) _____

Demographics Information

Age at Procedure _____
(please enter number)

Age at Procedure (select applicable unit)
- ◯ Days
- ◯ Month
- ◯ Year

Patient sedated during echo ?
- ◯ Yes
- ◯ No
- ◯ Unknown

Weight at operation (kg) _____

Height at operation (cm) _____

Please click "SAVE and GO to NEXT FORM" button to continuous to input data.

Technical Assessment Project Data Entry Sheet

Ventricular Septal Defect (VSD) Repair

Type of VSD
- ◯ Perimembranous
- ◯ Subarterial/supracristal
- ◯ Muscular: multiple
- ◯ Muscular : Single anterior
- ◯ Muscular : Single posterior
- ◯ Muscular : Single apical
- ◯ Other

_____If other, please specify: _____

Attempted to perform ASD repair?
- ◯ Yes, intended complete closure.
- ◯ Yes, intended partial closure.
- ◯ No intention to modify ASD.
- ◯ N/A - no ASD present.

___ Is there a residual ASD?
- ◯ Yes
- ◯ No

_____Residual ASD diameter (mm)
- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

Attempted to perform VSD repair?
- ◯ Yes, intended complete closure.
- ◯ Yes, intended partial closure.
- ◯ No intention to modify VSD.
- ◯ N/A - no VSD present.

___Is there a residual VSD?
- ◯ Yes
- ◯ No

_____ Subjective assessment of residual VSD
- ◯ None
- ◯ Trivial
- ◯ Small
- ◯ Medium
- ◯ Large

_____ Residual VSD diameter (mm)
- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

Was PDA ligated?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___ Is there a residual PDA?
- ◯ Yes
- ◯ No
- ◯ not applicable

___TV take down
- ◯ Yes
- ◯ No

Attempted to perform Tricuspid Valve Repair?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

_____TV Stenosis after VSD closure:
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____Mean gradient (mmHg) _____

_____ TV Insufficiency after VSD closure:
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Unplanned permanent pacemaker
- ◯ Yes
- ◯ No

Newly onset post-op Aortic Valve insufficiency
- ◯ Yes
- ◯ No

_____ If yes then :
- ◯ Trivial
- ◯ Mild
- ◯ Moderate
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Tetralogy of Fallot, Pulmonary Stenosis (TOF, PS) Repair

Attempted to perform ASD repair?
- ◯ Yes, intended complete closure.
- ◯ Yes, intended partial closure.
- ◯ No intention to modify ASD.
- ◯ N/A - no ASD present.

___ Is there a residual ASD?
- ◯ Yes
- ◯ No

_____Residual ASD diameter (mm)
- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

Attempted to close VSD?
- ◯ Yes, intended complete closure.
- ◯ Yes, intended partial closure.
- ◯ No intention to modify VSD.

___ Is there an UNINTENDED residual VSD?
- ◯ Yes.
- ◯ No.

_____ Residual VSD diameter (mm)

◯ < 1
◯ 1
◯ 2
◯ 3
◯ 4
◯ >=5

_____ Subjective assessment of residual VSD:

◯ None
◯ Trivial
◯ Small
◯ Medium
◯ Large

_____ Residual shunt Peak gradient (mmHg) _____

Attempted to perform Tricuspid Valve Repair?

◯ Yes
◯ No
◯ N/A - no lesion

_____ TV Stenosis after VSD closure:

◯ None
◯ Trivial
◯ Mild
◯ Mod
◯ Severe

_____ Mean gradient inflow across TV (mmHg) _____

_____ TV Insufficiency after VSD closure:

◯ None
◯ Trivial
◯ Mild
◯ Mod
◯ Severe

_____ Vena contracta (mm) _____

_____ TR PIPG (mmHg) _____

_____ Jet width (mm) _____

Type of Pulmonary Valve procedure

◯ Pulmonary Valve sparing procedure
◯ Transannular patch (TAP)
◯ RV-PA conduit

Residual Pulmonary Valve Regurg :

◯ None
◯ Trivial
◯ Mild
◯ Mod
◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Residual Pulmonary Valve stenosis:

◯ None
◯ Trivial
◯ Mild
◯ Mod
◯ Severe

_____ Peak gradient (mmHg) _____

_____ Mean gradient (mmHg) _____

Attempted relief of RVOTO

◯ Yes
◯ No

Residual RVOT stenosis

◯ Yes
◯ No

Subjective assessment of RVOT obstruction
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

RVOT Peak gradient (mmHg) _____

RVOT mean gradient (mmHg) _____

Systemic arterial pressure, systolic only (mmHg) _____

Attempted to perform branch PA Plasty?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

Left PA

Is there residual stenosis
- ◯ Yes
- ◯ No

_____ Subjective assessment of LPA residual stenosis
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Narrowest LPA Diameter (mm) _____

_____ Post-op LPA Peak gradient (mmHg) _____

Right PA:

Is there residual stenosis
- ◯ Yes
- ◯ No

_____ Subjective assessment of RPA residual stenosis
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Narrowest RPA Diameter (mm) _____

_____ Post-op RPA Peak gradient (mmHg) _____

Attempted to perform PDA ligation?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___ Is there a residual PDA ?
- ◯ Yes
- ◯ No

Unplanned permanent pacemaker ?
- ◯ Yes
- ◯ No

Complete Atrioventricular Canal Repair (balanced)

Attempted to perform ASD repair?
- ◯ Yes, intended complete closure.
- ◯ Yes, intended partial closure.
- ◯ No intention to modify ASD.
- ◯ N/A - no ASD present. .

___ Is there a residual ASD?
- ◯ Yes
- ◯ No

_____ Residual ASD diameter (mm)
- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

Attempted to perform PDA ligation?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___ Is there a residual PDA?
- ◯ Yes
- ◯ No

Attempted to perform VSD repair ?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___ Is there a residual VSD?
- ◯ Yes
- ◯ No

_____ Residual VSD diameter (mm)
- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

_____ Residual Peak gradient (mmHg) _____

Attempted to perform Left AV valve plasty?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

- ☐ Cleft closure
- ☐ Annuloplasty
- ☐ Commisuroplasty
- ☐ Other

_____ If other, please specify _____

_____ LAVV Stenosis :
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ LAVV mean inflow gradient (mmHg) _____

_____ LAVV Regurgitation:
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Attempted to perform Right AV valve plasty?
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

- ☐ Cleft closure
- ☐ Annuloplasty
- ☐ Commisuroplasty
- ☐ Other

_____ If other, please specify _____

_____ RAVV Stenosis :
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ RAVV mean inflow gradient (mmHg) _____

_____ RAVV Regurgitation:
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Peak instantaneous pressure gradient (mmHg) _____

_____ Jet width (mm) _____

LVOT Obstruction
- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

_____ LVOT Peak gradient (mmHg) _____

_____ LVOT mean gradient (mmHg) _____

Unplanned permanent pacemaker
- ◯ Yes
- ◯ No

Arterial Switch (TGA)

Was there a VSD?
- ◯ Yes
- ◯ No

_____ Was closure attempted?
- ◯ Yes
- ◯ No

_____ What type of closure was attempted?
- ☐ perimembranous
- ☐ supracristal/subarterial
- ☐ muscular (all)
- ☐ anterior malalignment
- ☐ posterior malalignment
- ☐ inlet
- ☐ other

_____ specify if "other" _____

_____ Was there a residual VSD?
- ◯ Yes
- ◯ No

_____ _____Qualitative assessment of residual VSD

- ◯ not stated
- ◯ trivial
- ◯ small
- ◯ medium
- ◯ large

_____ _____ Measurement of residual VSD

- ◯ < 1mm
- ◯ 1 mm
- ◯ 2 mm
- ◯ 3 mm
- ◯ 4 mm
- ◯ >=5 mm

Attempted to perform ASD repair, secundum ?

- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___Is there a residual ASD?

- ◯ Yes
- ◯ No

_____ Residual secundum ASD diameter (mm)

- ◯ < 1
- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ >=5

Attempted to perform Supra-aortic anastomsis (neoaorta)

- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___Is there a residual stenosis?

- ◯ Yes
- ◯ No

_____ Subjective assessment of residual stenosis

- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Residual peak gradient (mmHg) _____

_____ Residual mean gradient (mmHg) _____

Neoaortic insufficiency

- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___If yes,specify

- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Jet width (mm) _____

_____ Vena contracta (mm) _____

Attempted to perform Supra-Pulmonary Anastomosis (Main PA)

- ◯ Yes
- ◯ No
- ◯ N/A - no lesion

___Is there a residual stenosis?

- ◯ Yes
- ◯ No

_____ Subjective assessment of residual stenosis
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Residual peak gradient (mmHg) _____

Left PA :

Is there residual stenosis
- ◯ Yes
- ◯ No

_____ Subjective assessment of LPA residual stenosis
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Narrowest LPA Diameter (mm) _____

_____ Residual LPA Peak gradient (mmHg) _____

Right PA:

Is there residual stenosis
- ◯ Yes
- ◯ No

_____ Subjective assessment of RPA residual stenosis
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Narrowest RPA Diameter (mm) _____

_____ Residual RPA Peak gradient (mmHg) _____

Neo Aortic Valve regurgitation
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Neo Pulmonary Valve regurgitation
- ◯ None
- ◯ Trivial
- ◯ Mild
- ◯ Mod
- ◯ Severe

_____ Vena contracta (mm) _____

_____ Jet width (mm) _____

Coronary artery anatomy and great vessels relationship

Usual (Sinus 1- LAD,Cx: Sinus 2-RCA)
◯ Yes
◯ No

Single coronary
◯ Yes
◯ No

Intramural coronary
◯ Yes
◯ No

Aorta side by side to pulmonary artery (Taussig-Bing type)
◯ Yes
◯ No

Other, please describe _____

Coronary Re-implantation and Perfusion

_____Flow seen in proximal LCA ?
◯ Yes
◯ No
◯ Not assessed

_____Flow seen in proximal RCA ?
◯ Yes
◯ No
◯ Not assessed

_____Regional wall motion abnormality
◯ Yes
◯ No

_____Re-intervention (cath or OR) of LCA
◯ Yes
◯ No

_____Re-intervention (cath or OR) of RCA
◯ Yes
◯ No

Comment _____

Procedure-independent Measures:

Unplanned return to cardiopulmonary bypass during index operation (Intra-op)
◯ Yes
◯ No

Anatomic injury during index operation requiring change in operative management (e.g. repair required for great vessels, coronary arteries, or myocardium, etc.)
◯ Yes
◯ No

Unplanned return to OR or cath lab for intervention on site of index operation
◯ Yes- return to OR
◯ Yes-- cath lab intervention
◯ No

Describe interventional OR or cath procedure:
☐ Residual VSD
☐ Residual ASD
☐ TV intervention
☐ Other

Describe interventional OR or cath procedure:

- ☐ VSD
- ☐ RVOT
- ☐ PV
- ☐ TV
- ☐ MPA
- ☐ RPA
- ☐ LPA
- ☐ Other

Describe interventional OR or cath procedure:

- ☐ ASD
- ☐ PDA
- ☐ VSD
- ☐ LAVV
- ☐ RAVV
- ☐ LVOT

Describe interventional OR or cath procedure:

- ☐ ASD
- ☐ VSD
- ☐ Supra pulmonary Anastomosis
- ☐ LPA
- ☐ RPA
- ☐ RVOT
- ☐ Aortic Arch
- ☐ Coronaries

If other,please specify: _____

Postoperative mechanical circulatory support

- ◯ Yes
- ◯ No

Please click "SAVE and GO TO NEXT FORM" button to review graphical data view.

Report

Ventricular Septal Defect (VSD) Repair Under construction

Tetralogy of Fallot Repair Under construction

Complete Atrioventricular Canal Repair Under construction

Arterial Switch (TGA) Under construction