

## Section K. VALVE SURGERY

*Section Intent:* The intent of this section is to identify which valve(s) received surgical intervention, identify the type of valvular surgical intervention, and identify prosthetic implant type and size.

Sequence #	Data Field	Field Definition	Data Field Intent / Clarification	Source Document
1630	Aortic valve	<p>Indicate whether a surgical procedure was done on the Aortic Valve. If so select one of the following:</p> <p>a. No</p> <p>b. Replacement</p> <p>c. Repair/Reconstruction</p> <p>d. Root reconstruction with valve conduit.</p> <p>e. Replacement + aortic graft conduit (not a valve conduit)</p> <p>f. Root reconstruction with valve sparing.</p> <p>g. Resuspension aortic valve with replacement of ascending aorta</p> <p>h. Resuspension aortic valve without replacement of ascending aorta</p> <p>i. Resection sub-aortic stenosis</p>	<p>b. <b>Replacement:</b> The patient's aortic valve is removed and a new valve is implanted.</p> <p>c. <b>Repair:</b> Some or all of the patient's own valve is retained and remodeled or reshaped to perform in a satisfactory way. Valvotomy can open a congenitally narrowed valve. Perforations in the valve leaflets can be repaired with sutures or patches. Incompetent valves can be tightened with sutures or patches. Aortic Annuloplasty</p> <p>c. <b>Reconstruction:</b> Some, all or none of the patient's valve is left in place and the valve and surrounding area is rebuilt using prosthetic material.</p> <p>d. The ascending aorta is replaced using a graft that is connected to a valve that replaces the native aortic valve.</p> <p>e. The aortic valve is replaced and the ascending aorta is replaced using a graft conduit.</p> <p>f. The ascending aorta is replaced leaving the native valve intact.</p> <p>g. The native aortic valve is sutured in such a way as to bring it into more normal position and shape.</p> <p>h. Muscle under the aortic valve in the left ventricular outflow tract is resected to relieve obstruction. A portion of the hypertrophied septal muscle is excised (myectomy).</p> <p>i. Muscle under the aortic valve in the left ventricular outflow tract is resected to relieve obstruction. Asymmetric or idiopathic hypertrophic subaortic stenosis causes a functional obstruction. A portion of the hypertrophied septal muscle is excised (myectomy).</p>	<p>Operative record Operative note</p>

Sequence #	Data Field	Field Definition	Data Field Intent / Clarification	Source Document
1640	Mitral Valve	<p>Indicate whether a surgical procedure was done on the mitral valve and if so, select one of the following:</p> <ul style="list-style-type: none"> <li>a. No</li> <li>b. Annuloplasty Only</li> <li>c. Replacement</li> <li>d. Reconstruction with annuloplasty.</li> <li>e. Reconstruction without annuloplasty.</li> </ul>	<ul style="list-style-type: none"> <li>b. The annulus of the mitral valve is reshaped.</li> <li>c. The patient's mitral valve is removed and a new valve is implanted.</li> <li>d. The annulus of the mitral valve is reconstructed to more normal geometry maintaining as much leaflet and subvalvar structure as possible. The reconstruction is supported by an annuloplasty ring.</li> <li>e. The annulus of the mitral valve is reconstructed to more normal geometry maintaining as much leaflet and subvalvar structure as possible. No ring is employed.</li> </ul>	Operative record Operative note
1650	Tricuspid valve	<p>Indicate whether a surgical procedure was done on the tricuspid valve and if so, select one of the following:</p> <ul style="list-style-type: none"> <li>a. No</li> <li>b. Annuloplasty only</li> <li>c. Replacement</li> <li>d. Reconstruction with annuloplasty</li> <li>e. Reconstruction without annuloplasty</li> <li>f. Valvectomy</li> </ul>	<ul style="list-style-type: none"> <li>b. The annulus is supported by suture or a ring.</li> <li>c. The patients tricuspid valve is removed and a new valve is implanted</li> <li>d. The annulus of the tricuspid valve is reconstructed to a more normal geometry maintaining as much leaflet and subvalvar structure as possible. The reconstruction is supported by an annuloplasty ring.</li> <li>e. The annulus of the tricuspid valve is reconstructed to a more normal geometry maintaining as much leaflet and subvalvar structure as possible. No ring is employed. (Tricuspid Valve Repair with DeVega Suture Annuloplasty)</li> <li>f. The valve is resected. (Note the tricuspid valve can be completely removed without replacement)</li> </ul>	Operative record Operative note

Sequence #	Data Field	Field Definition	Data Field Intent / Clarification	Source Document
1660	Pulmonic Valve	<p>Indicate whether a procedure was done on the pulmonic valve and if so, select one of the following:</p> <p>a. No</p> <p>b. Replacement</p> <p>c. Reconstruction</p>	<p>b. The patients pulmonary valve is removed and a new valve is implanted</p> <p>c. The annulus of the pulmonic valve is reconstructed to a more normal geometry maintaining as much leaflet and subvalvar structure as possible with or without annuloplasty.</p>	Operative report Operative note
1670	Aortic Annular Enlargement	<p>Indicate whether an annular enlargement procedure was performed on the aortic valve. An aortic annular enlargement is defined as an incision of the aortic annulus to enlarge the aortic orifice. Annular enlargement techniques include but are not limited to Manouguian, Kono and Nicks.</p>		Operative report Operative note
1680	Aortic Prosthesis implant type	<p>Indicate the type of implant: Choose one:</p> <p>None</p> <p>M = Mechanical</p> <p>B = Bioprosthesis</p> <p>H = Homograft</p> <p>A = Autograft (Ross)</p> <p>R = Ring/Annuloplasty</p> <p>BA = Band/Annuloplasty</p>	<p>To differentiate which valve was implanted:</p> <p>Mechanical - prosthetic valve made of pyrolytic carbon</p> <p>Bioprosthesis - valve constructed of animal tissues; porcine (pig) valves and bovine(cow) pericardium</p> <p>Homograft - tissue derived from individuals of the same species i.e., cadaver. Sterilized human aortic root.</p> <p>Autograft - tissue from another site in or on the body of the patient receiving it. (The pulmonary valve can be autotransplanted to the aortic valve site as a valve or root replacement. A pulmonary homograft is then inserted in the patient's Right Ventricular Outflow Tract).</p> <p>Ring - prosthetic rings are made of various synthetic rings. Rings prevent dilation of the annulus and buttresses any repair to the annulus or leaflets.</p> <p>Band/Annuloplasty</p>	Operative record Operative note

Sequence #	Data Field	Field Definition	Data Field Intent / Clarification	Source Document
1690	Aortic valve implant	Indicate the name of the prosthesis implanted.	The drop down list should be used to avoid errors.	Operative record will tell the implant and use the drop down list for accuracy. Operative note
1700	Aortic implant size	Indicate the aortic implant size.		Operative record Operative note
1740	Mitral Prosthesis Implant Type	Indicate the type of implant: Choose one: None M = Mechanical B = Bioprosthesis H = Homograft A = Autograft (Ross) R = Ring/Annuloplasty BA = Band/Annuloplasty	To differentiate which valve was implanted: Mechanical - prosthetic valve made of pyrolytic carbon Bioprosthesis - valve constructed of animal tissues; porcine (pig) valves and bovine (cow) pericardium Homograft - tissue derived from individuals of the same species i.e., cadaver. Ring - prosthetic rings are made of various synthetic rings. Rings prevent dilation of the annulus and buttresses any repair to the annulus or leaflets. Band/Annuloplasty	Operative record Operative note
1750	Mitral valve implant	Indicate the name of the prosthesis implanted.	The drop down list should be used to avoid errors.	Operative record Operative note
1760	Mitral prosthesis implant size	Indicate the Mitral implant size.		Operative record Operative note
1800	Tricuspid Prosthesis Implant Type	Indicate the type of implant: Choose one: None M = Mechanical B = Bioprosthesis H = Homograft A = Autograft (Ross) R = Ring/Annuloplasty BA = Band/Annuloplasty	To differentiate which valve was implanted: Mechanical - prosthetic valve made of pyrolytic carbon Bioprosthesis - valve constructed of animal tissues; porcine (pig) valves and bovine (cow) pericardium Homograft - tissue derived from individuals of the same species i.e., cadaver. Ring - prosthetic rings are made of various synthetic rings. Rings prevent dilation of the annulus and buttresses any repair to the annulus or leaflets Band Annuloplasty	Operative record Operative note

Sequence #	Data Field	Field Definition	Data Field Intent / Clarification	Source Document
1810	Tricuspid valve implant	Indicate the name of the prosthesis implanted.	The drop down list should be used to avoid errors.	Operative record Operative note
1820	Tricuspid prosthesis implant size	Indicate the Tricuspid implant size.		Operative record Operative note
1860	Pulmonic Prosthesis Implant Type	Indicate the type of implant: Choose one: None M = Mechanical B = Bioprosthesis H = Homograft A = Autograft (Ross) R = Ring/Annuloplasty BA = Band/Annuloplasty	To differentiate which valve was implanted: Mechanical - prosthetic valve made of pyrolytic carbon Bioprosthesis - valve constructed of animal tissues; porcine (pig) valves and bovine (cow) pericardium Homograft - tissue derived between individuals of the same species i.e. Cadaver. Pulmonic homograft is a sterilized human valve and pulmonary artery. Autograft - tissue from another site in or on the body of the patient receiving it. Ring - prosthetics rings are made of Various synthetic rings. Rings prevent dilation of the annulus and buttresses any repair to the annulus or leaflets Band/Annuloplasty	Operative record Operative note
1870	Pulmonic valve implant	Indicate the name of the prosthesis implanted.	The drop down list should be used to avoid errors.	Operative record Operative note
1880	Pulmonic prosthesis implant size	Indicate the Pulmonic implant size.		Operative record Operative note