STS Aortic Valve Surgeon Worksheet V4.2

Aortic Stenosis: □Yes □No (If Yes →) Aortic Valve Stenosis: □Mild □Moderate □Severe

Aortic Valve Area: _____cm^2

Mean Gradient Closest to Incision: _____ mmHg

Aortic Jet Velocity Closest to Incision (Vmax)_____m/s

Aortic Insufficiency: □None □Trace/Trivial □Mild □Moderate □Severe

Aortic Disease Etiology (choose one primary etiology)

□Bicuspid valve disease □Unicuspid valve disease □Quadricuspid valve disease

□Congenital (other than bicuspid, unicuspid, or quadricuspid)

□Degenerative: (If Yes →) □Calcified □Leaflet prolapse with or without annular dilatation □Leaflet perforation/hole □Extensive fenestration □Pure annular dilatation without leaflet prolapse □Commissural rupture

□Endocarditis (If Yes →) □With root abscess(Native Valve) □Without root abscess (Native Valve) □With root abscess (Prosthetic Valve) □Without root abscess (Prosthetic Valve)

□LV Outflow Tract Pathology: (If Yes →) □ HOCM □Sub-aortic membrane □Sub-aortic tunnel □Other

□Primary Aortic disease: (If Yes →) □Aortic dissection □Atherosclerotic aneurysm □Ehler-Danlos Syndrome □Hypertensive aneurysm □Idiopathic root dilatation □Inflammatory □Loeys-Dietz Syndrome □Marfan Syndrome □Other connective tissue disorder

□Radiation induced heart disease

□Reoperation - failure of previous AV repair or replacement

□Rheumatic

□Supravalvular aortic stenosis

□Trauma

□Carcinoid

□Tumor (If Yes →) □Myxoma □Papillary fibroelastoma □Other

□Mixed Etiology

Repair/Reconstruction (If Repair/Reconstruction↓)

□Annuloplasty: (If Yes →) □Commissural suture □External Suture □Ring (If Ring→) □External □Internal

□ Leaflet Procedure (If Yes →) □Plication □Free edge reinforcement □Commissural resuspension suture □Resection suture □Shaving □Pericardial patch □Debridement □Division of fused raphe

□Nodular release

□Pannus/Thrombus Removal (Native Valve)

□Surgical Prosthetic Valve Intervention: (If Yes →) □Repair of periprosthetic leak □ Removal of pannus □Removal of clot □Other

□Aortic annular enlargement: (If Yes →) Technique: □Nicks-Nunez □Manougian □Konno □Other

□Replacement of non-coronary sinus (Modified Wheat/Modified Yacoub)

Replacement (If Replacement↓)

□Transcatheter (If Yes →) □Transapical □Transaxillary □Transfemoral □Transaortic □Subclavian □Transiliac □Transseptal □Transcarotid □Transcaval □Other

□Surgical Valve Replacement (If Yes →) □Mechanical □Surgeon fashioned pericardium (Ozaki) □Other
□ Bioprosthetic: (If Yes →) □Stented □Stentless subcoronary valve only □Sutureless/rapid deployment

□Aortic Valve Implant

Implant Model:_____ Implant Size:_____