<table>
<thead>
<tr>
<th>Aortic Stenosis: □ Yes □ No (If Yes →)</th>
<th>Aortic Valve Stenosis: □ Mild □ Moderate □ Severe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aortic Valve Area: __________ cm²</td>
<td>Mean Gradient Closest to Incision: ______ mmHg</td>
</tr>
<tr>
<td>Aortic Jet Velocity Closest to Incision (Vmax)_______ m/s</td>
<td></td>
</tr>
</tbody>
</table>

| 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 □ Commisural 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 □ Locys-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: _________________