STS Aorta Surgery Worksheet V2.9

Identify procedural location using graph letters A-N →

For Aneurysms

Aneurysm Location: ____________________
(area of largest circumference of aneurysm – most proximal zone if largest circumference spans two or more zones)

For Dissections ↓
(Select all that apply and fill in location)

- Primary Tear Location: _____________
- Secondary Tear Location: _____________
- Retrograde Extension Location: _____________
- Distal Extension Location: _____________
- Rupture Location: _____________
- Rupture Contained: □ Yes □ No

For Open Descending Thoracic Aorta or Thoracoabdominal Procedures ↓

Proximal Location: _____________ □ Reverse Hemi
Distal Location: _____________

For Endovascular Procedures ↓

Proximal Location: _____________
Distal Location: _____________

Intra OP ↓

Unintentional Rupture of dissection septum Location: _____________

PLEASE COMPLETE THE FOLLOWING SECTIONS ↓

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Endoleak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etiology: □ Atherosclerosis □ Infection □ Inflammatory □ Connective Tissue Disorder □ Penetrating Ulcer □ Pseudoaneurysm □ Mycotic □ Traumatic transection □ Intercostal visceral occlusion □ Anastomotic site</td>
<td></td>
</tr>
<tr>
<td>Type: □ Fusiform □ Saccular □ Rupture: □ Yes □ No</td>
<td></td>
</tr>
</tbody>
</table>

Timing: □ Hyper-acute (<48hrs) □ Acute (48hrs-2wks) □ Sub-acute (>2wks-90days) □ Chronic (>90days) □ Acute on Chronic

Malperfusion: □ Yes (If Yes ↓) □ No
- If Yes → Subclavian→ □ Right □ Left
- Common Carotid→ □ Right □ Left
- Renal→ □ Right □ Left
- Coronary □ Celiac □ Superior Mesenteric □ Iliofemoral □ Spinal

Infection (if yes→) □ Graft infection □ Valvular endocarditis □ Nonvalvular endocarditis □ Native aorta □ Multiple infection types

Trauma (if yes→) □ Root □ Ascending □ Arch □ Descending □ Thoracoabdominal □ Abdominal

Root: □ Asymmetric root dilatation
- Asymmetric Root Dilation (if yes→) □ Right □ Left □ Non-coronary
- Sinus of Valsalva aneurysm (if yes→) □ Right □ Left □ Non-coronary

Arch Type: □ Right □ Left
- Aberrant subclavian:→ □ Right □ Left □ Kommerell □ Bovine □ Variant vertebral origin □ Patent IMA bypass graft

Ascending: □ Asymmetric Dilatation □ Proximal coronary artery bypass grafts
### STS Aorta Surgery Worksheet V2.9

#### Intervention:
- [ ] Planned stage hybrid
- [ ] Open Arch Procedure (If Yes ↓)
  - Distal Technique: [ ] Open [ ] Clamped
  - Site: [ ] Ascending Aorta [ ] Hemiarch [ ] Zone 1 [ ] Zone 2 [ ] Zone 3 [ ] Zone 4
  - Extension: [ ] Elephant Trunk [ ] Frozen Elephant Trunk [ ] No
- [ ] Arch Branch Reimplantation (If Yes →) Subclavian → [ ] Right [ ] Left
  - Common Carotid → [ ] Right [ ] Left
  - Innominate [ ] Left Vertebral [ ] Other
- [ ] Open Descending Thoracic Aorta or Thoracoabdominal Procedure:
  - [ ] Intercostal reimplantation
  - [ ] Visceral vessel intervention (If Yes →)
    - Celiac → [ ] Reimplantation [ ] Branch Graft
    - Superior mesenteric → [ ] Reimplantation [ ] Branch Graft
    - Right renal → [ ] Reimplantation [ ] Branch Graft
    - Left renal → [ ] Reimplantation [ ] Branch Graft
- [ ] Endovascular Procedure:
  - Access (If Yes →): [ ] Femoral [ ] Iliac [ ] Abdominal Aorta [ ] Lt. Subclavian [ ] Rt. Subclavian [ ] Ascending Aorta [ ] LV Apex
  - [ ] Percutaneous Access [ ] TAVR (for combination procedures) [ ] Ascending TEAVR (If Yes →) [ ] Dedicated IDE [ ] Off-label stent [ ] No

#### Arch Vessel Management:
- Innominate → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass (If Yes →) [ ] Aorta-Innominate [ ] Aorta-Rt Carotid [ ] Aorta Rt Subclavian [ ] Rt Carotid-Rt Subclavian [ ] Other
- Left Carotid → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass (If Yes →) [ ] Aorta-Lt Carotid [ ] Innominate-Lt Carotid [ ] Rt Carotid-Lt Carotid [ ] Other
- Left Subclavian → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass (If Yes →) [ ] Aorta-Lt Subclavian [ ] Lt Carotid-Lt Subclavian [ ] Other
- Other Arch Vessel(s) Extra-anatomic bypass (If Yes →) [ ] Innominate-Carotid [ ] Innominate-Subclavian [ ] Subclavian-Subclavian [ ] Other

#### Visceral Vessel Management:
- Celiac → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass → [ ] Aorta-celiac [ ] Iliac-celiac [ ] Other
- Superior mesenteric → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass → [ ] Aorta-superior mesenteric [ ] Iliac-superior mesenteric [ ] Other
- Right renal → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass → [ ] Aorta-right renal [ ] Iliac-right renal [ ] Other
- Left renal → [ ] Native Flow [ ] Endovascular Branch Graft [ ] Endovascular Parallel Graft [ ] Fenestrated
  - Extra-anatomic Bypass → [ ] Aorta-left renal [ ] Iliac-left renal [ ] Other
- Right Iliac → [ ] Native Flow [ ] Bifurcated Graft [ ] Extra-anatomic Bypass → [ ] Fem-Fem [ ] Other
- Left Iliac → [ ] Native Flow [ ] Bifurcated Graft [ ] Extra-anatomic Bypass → [ ] Fem-Fem [ ] Other
  - Internal Iliac Preserved → [ ] Rt Iliac only [ ] Lt Iliac only [ ] Both [ ] No
  - Other Visceral Vessel(s) → [ ] Extra-anatomic Bypass → [ ] Aorta-Other [ ] Iliac-Other [ ] Other

#### Intra-Op (Check all that apply):
- [ ] Dissection proximal entry tear covered
- [ ] Endoleak at end of procedure → Type [ ] Ia [ ] Ib [ ] II [ ] III [ ] IV [ ] V
- [ ] Conversion to open → [ ] Deployment failure [ ] Endoleak [ ] Rupture [ ] Occlusion/loss of branch
- [ ] Intra-Op Dissection Extension → [ ] None [ ] Antegrade [ ] Retrograde [ ] Both
- [ ] Spinal drain placement → [ ] Pre-Aortic procedure [ ] Post-Aortic procedure
- [ ] IntraOp Motor Evoked Potential → Documented MEP abnormality → [ ] Yes [ ] No
- [ ] IntraOp Somatosensory Evoked Potential → Documented SEP abnormality → [ ] Yes [ ] No
- [ ] IntraOp EEG → Documented EEG abnormality → [ ] Yes [ ] No [ ] Unknown
- [ ] IVUS Performed Intra-Op
- [ ] IntraOp Transcutaneous Doppler Performed Intra-Op
- [ ] IntraOp Angiogram → Volume of Contrast ________ ml Fluoro time ________ min