

DEVICE	VALVE SIZE	ANNULUS	INTRODUCER (F)	VESSEL DIAMETER	CT Area (mm ³)
Edwards Sapien XT	23mm	20-23mm	16F	>6mm	314-415
Edwards Sapien XT	26mm	23-26mm	18F	>6.5mm	415-530
Edwards Sapien XT	29mm	26-29mm	20F	>7mm	530-660

*Valve heights for the three types are 14mm, 17mm, 21mm. 50% goes above and below annulus.

ALL TRANSFEMORAL VALVES WILL BE SAPIEN 3. ALL TRANSAPICAL VALVES WILL BE SAPIEN XT.

DEVICE	VALVE SIZE	ANNULUS	INTRODUCER (F)	VESSEL DIAMETER	CT Area (mm ³)
Edwards Sapien 3	20mm	18.86-21mm	14F	>5.5mm	273-345
Edwards Sapien 3	23mm	20.7-23.4mm	14F	>5.5mm	338-430
Edwards Sapien 3	26mm	23.4-26.4mm	14F	>5.5mm	430-546
Edwards Sapien 3	29mm	26.2-29.5mm	16F	>6mm	540-683

Hemodynamics on Echo – Severe AS :

- 1) AV area < 1cm²
- 2) aortic velocity >4m/s
- 3) mean pressure gradient of >40 mmHg.
- 4) LVEF <50%

REQUIRED MEASUREMENTS:

CARDIAC

1. Annulus diameters
2. LVOT diameters – about 3mm below Annulus
3. Annulus to LCA distance
4. Annulus to RCA distance
5. Sinus of Valsalva diameter
6. Sinotubular Junction diameter
7. Ascending Aorta diameter
8. 3 Angio views (make sure plane crosses through all three hinge points)
 - a. Angle at which hinge points are equidistant
 - b. Angle at which LAO-RAO = 0
 - c. Angle at which CRA-CAU = 0
9. Hockey Puck view for calcification of Valve

ABDOMEN/PELVIS

1. Abdominal Aorta diameter (minimum)
2. Right CIA diameter (minimum)
3. Right EIA diameter (minimum)
4. Right CFA diameter (minimum)
5. Left CIA diameter (minimum)
6. Left EIA diameter (minimum)
7. Left CFA diameter (minimum)

REMEMBER:

1. In addition to adding measurement and images to report, take a screen capture of each image and at the end, send those screen captures from 3mensio patient directory to iSite.
2. Save 3mensio session and send to iSite from 3mensio patient directory.
3. Call Jeff Valiani to export 3mensio .pdf report to iSite.