



Report Details

Creation Date: 2/3/2026
Created By: SR
Reviewed Date:

Physician: Bleszynski, Peter A
Hospital:
City:

Patient Information

Name: MTV BarBar 31788016
Sex: Male
Year Of Birth (Age): 1939 (86)

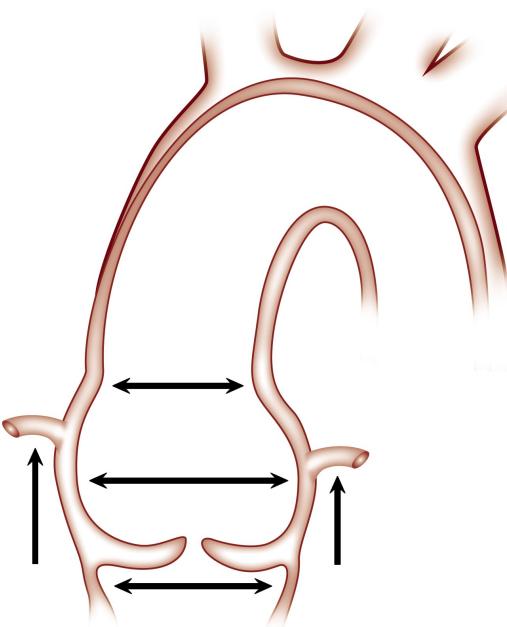
Height: 1.85 m
Weight: 115.7 kg

BMI: 33.81 kg/m²
BSA: 2.38 m²

Comments: Any virtual valve shown is for illustration only. Great quality scan. Annulus appears within range for a 29mm S3 with 1% US. Sinuses are >33mm with STJ at 31mm in diameter. Left and right coronary heights are 15 and 19mm respectively. Valve does appear tri-leaflet with non-horizontal root angle of 43 degrees. Access appears amenable bilaterally for the 16 FR esheath+.

Aortic Valve Graphic

Annulus	
Area:	658.9 mm ²
Area Derived Ø:	29.0 mm



STJ	
Avg Ø:	31.1 mm
Height:	26.3 mm

THV Oversizing @ Annulus	
20 mm THV:	
23 mm THV:	
26 mm THV:	
29 mm THV:	-1.5 %

LVOT	
Area:	667.0 mm ²
Area Derived Ø:	29.1 mm

Sinus of Valsalva Ø	
LCC:	35.9 mm
RCC:	33.0 mm
NCC:	36.7 mm

Coronary Heights	
LCA:	15.8 mm
RCA:	19.9 mm

Coplanar View:	LAO	CRA
	12 °	1 °
Aortic Annulus Angle:		43 °

Comments:

Aortic Valve Table

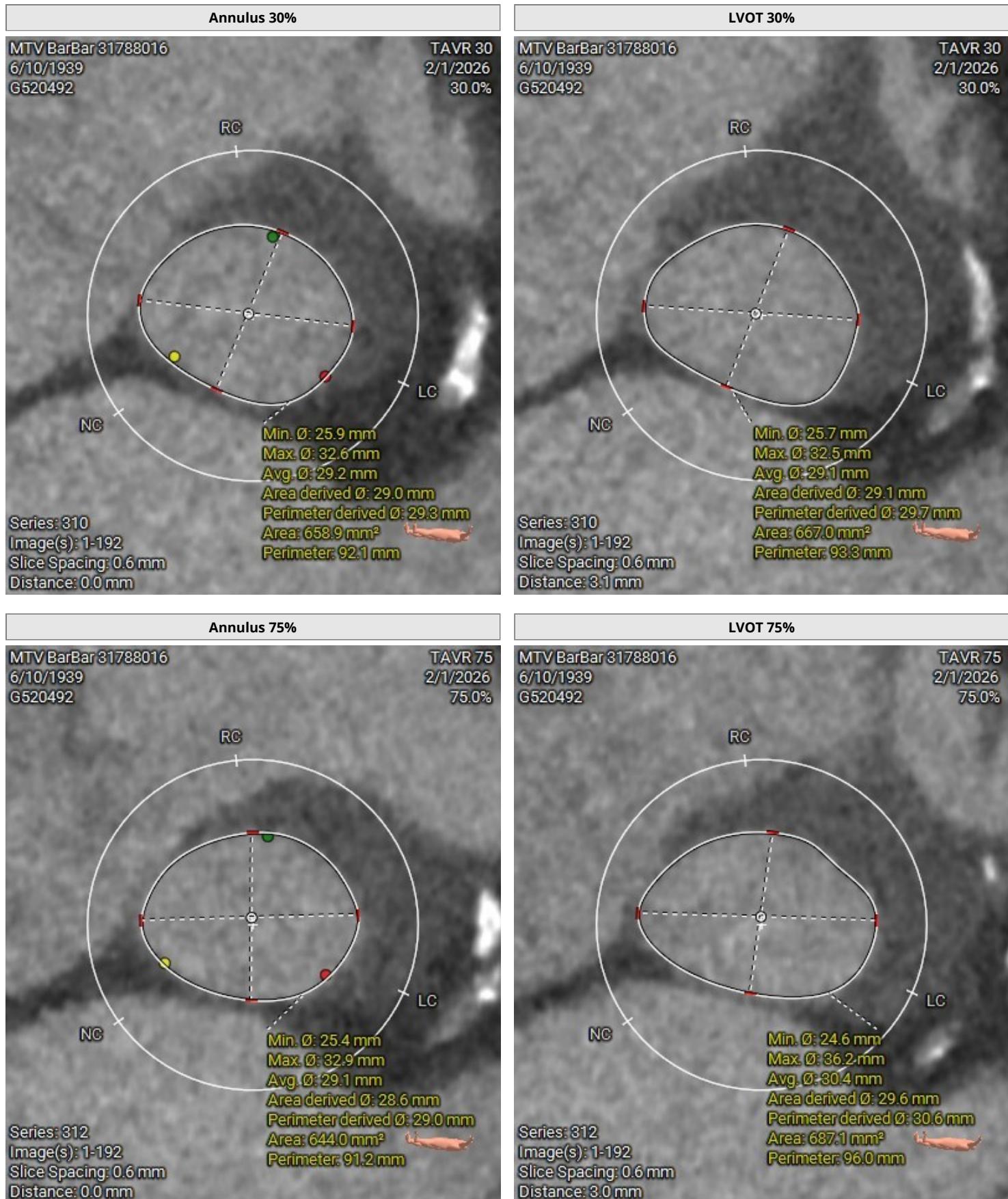
Annulus Area	658.9 mm ²
Annulus Area Derived Ø	29.0 mm
LVOT Area	667.0 mm ²
LVOT Area Derived Ø	29.1 mm
Sinus of Valsalva Width - Left	35.9 mm
Sinus of Valsalva Width - Right	33.0 mm
Sinus of Valsalva Width - Non	36.7 mm

LCA Height	15.8 mm
RCA Height	19.9 mm
STJ Height	26.3 mm
STJ Ø - Avg	31.1 mm
Coplanar View	LAO CRA 12 ° 1 °
Aortic Annulus Angle	43 °

Case Report

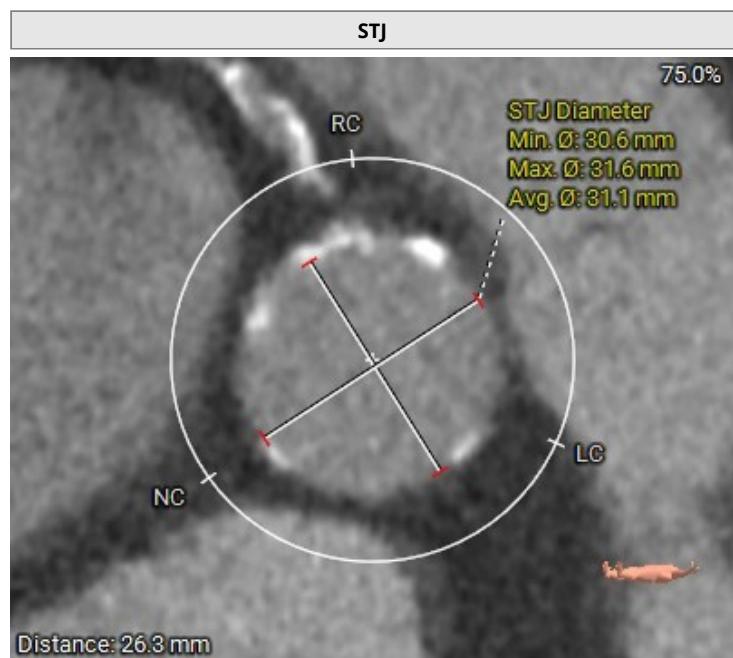
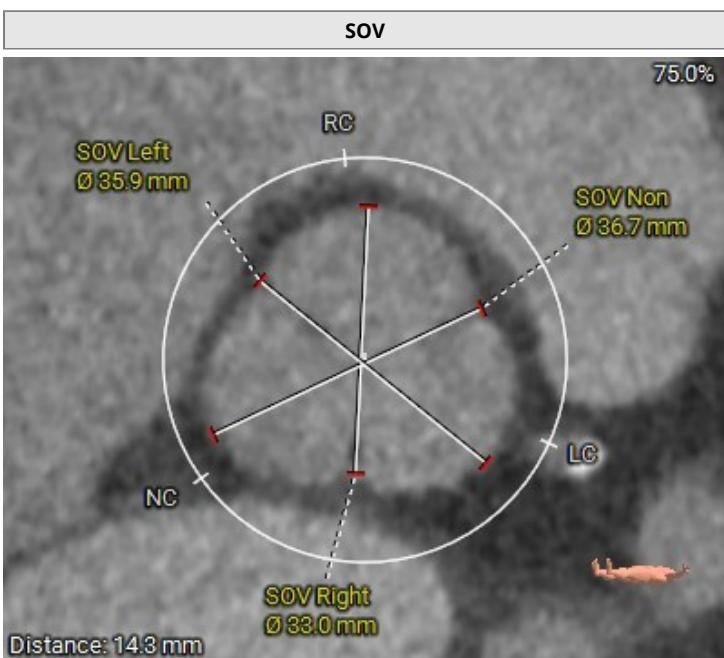
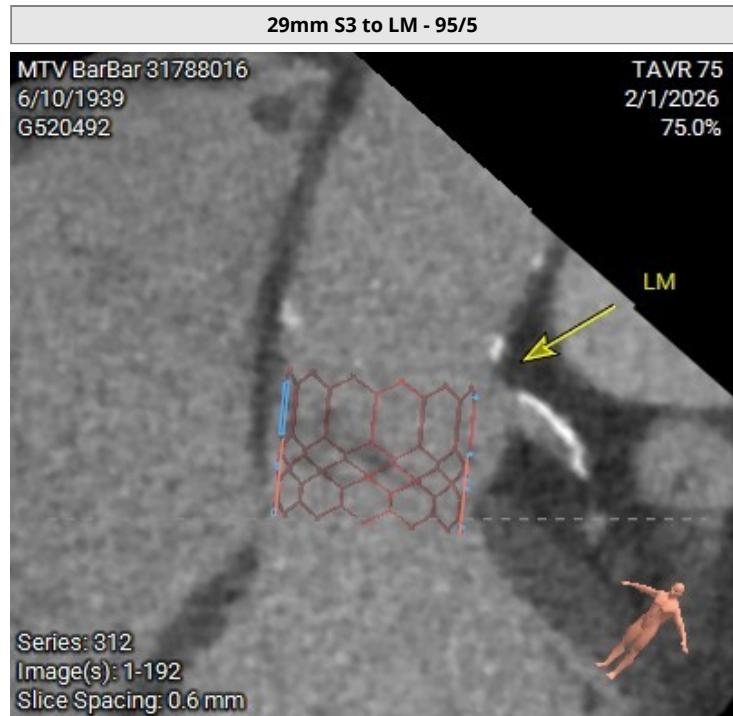
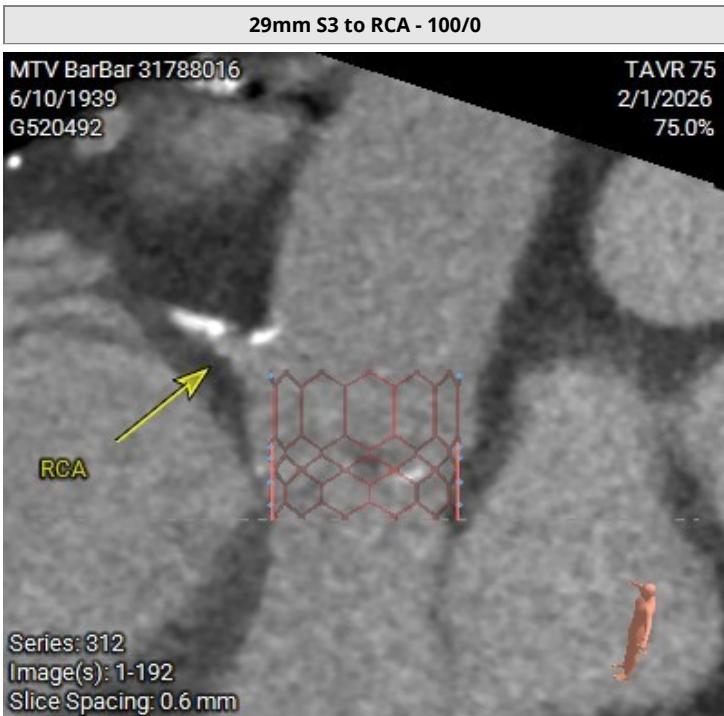
Note: The intended use of this report is to provide an adjunctive case planning resource and should not be used for diagnostic purposes.

Screenshots



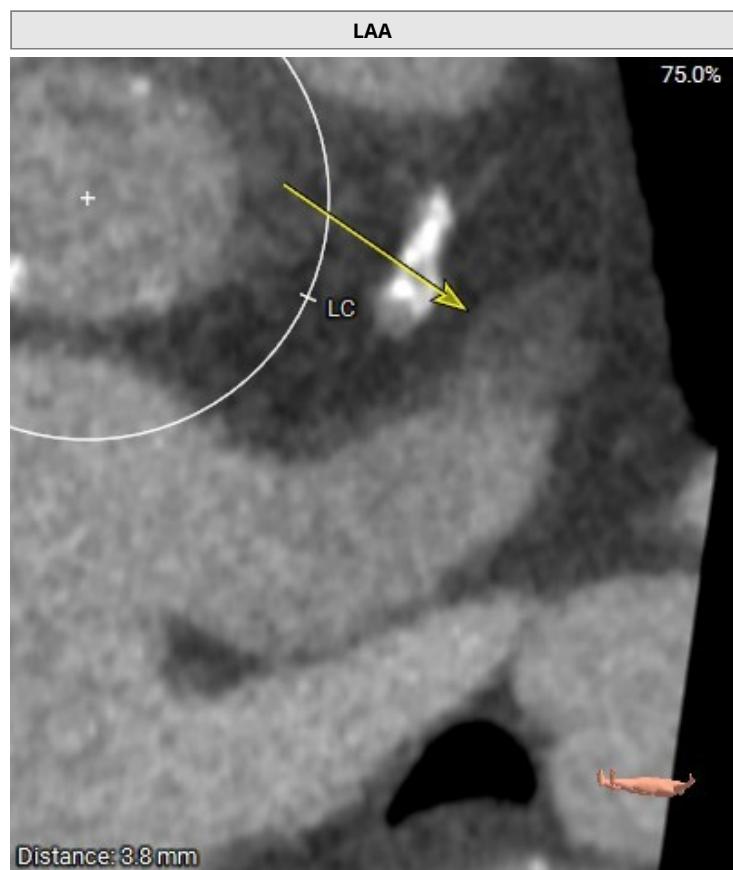
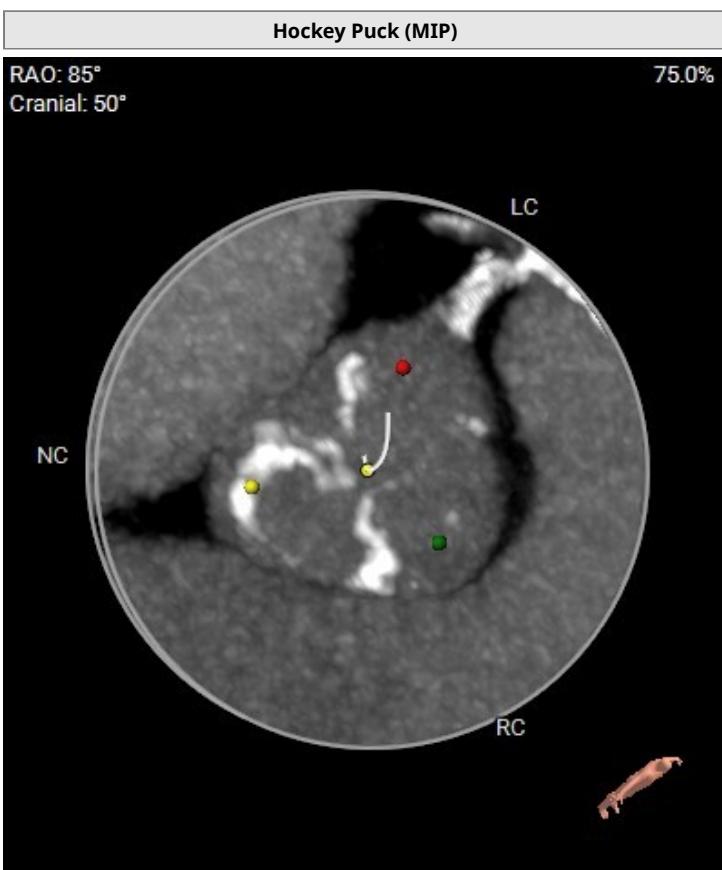
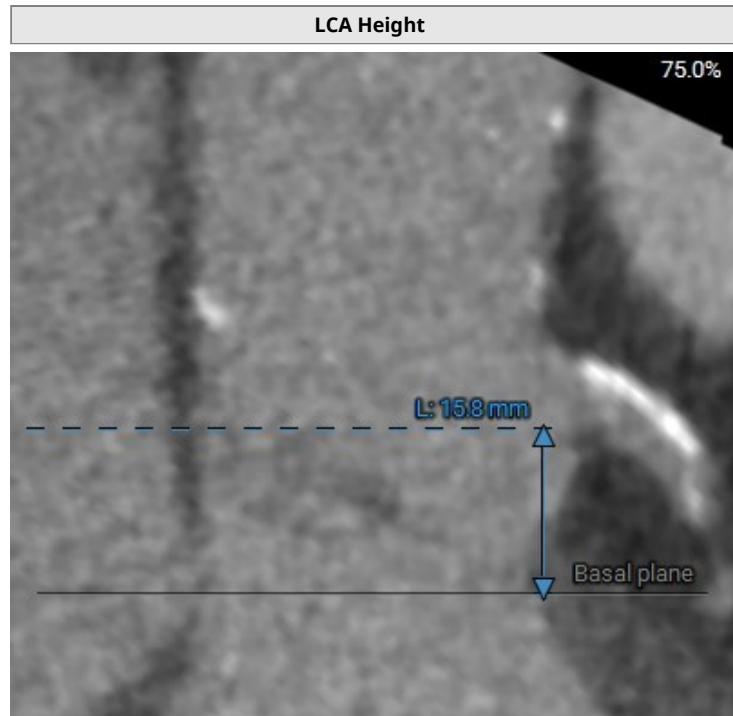
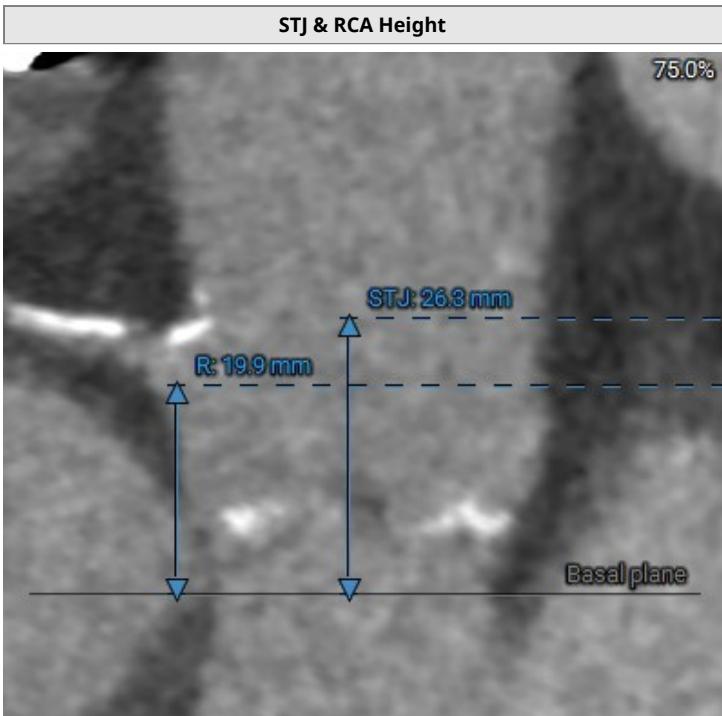
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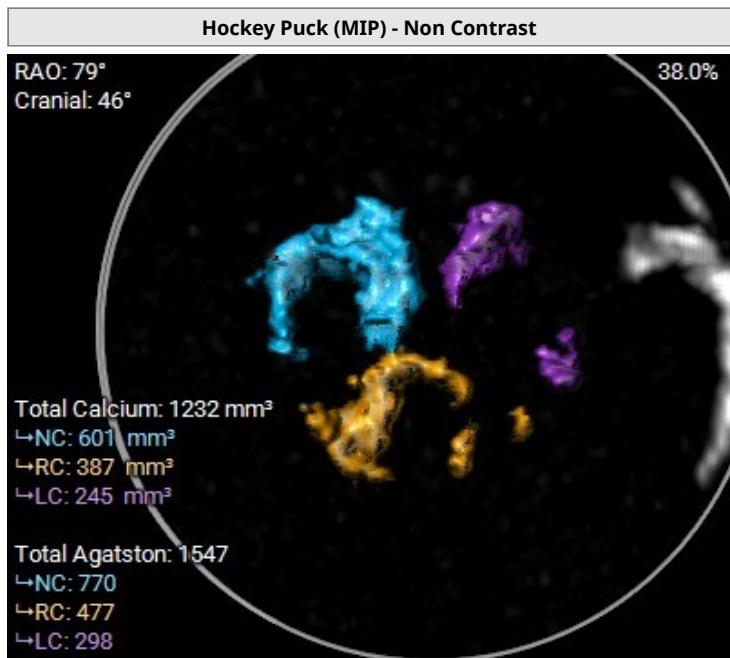
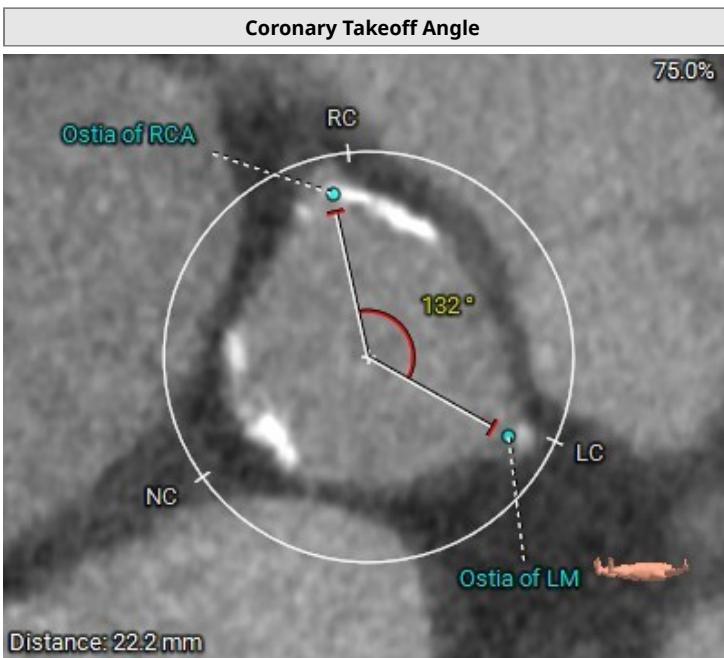
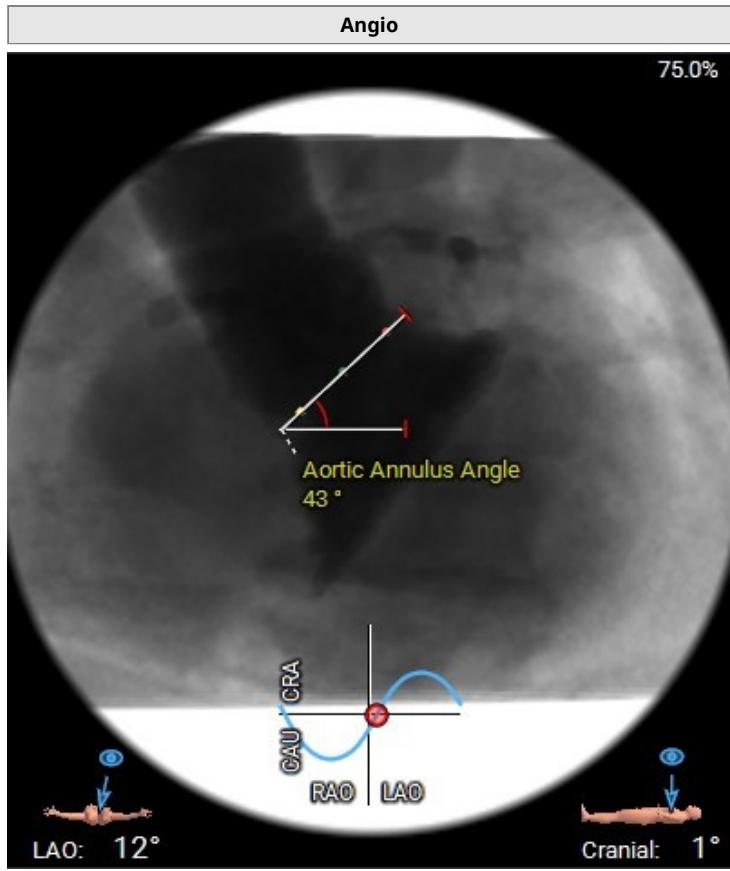
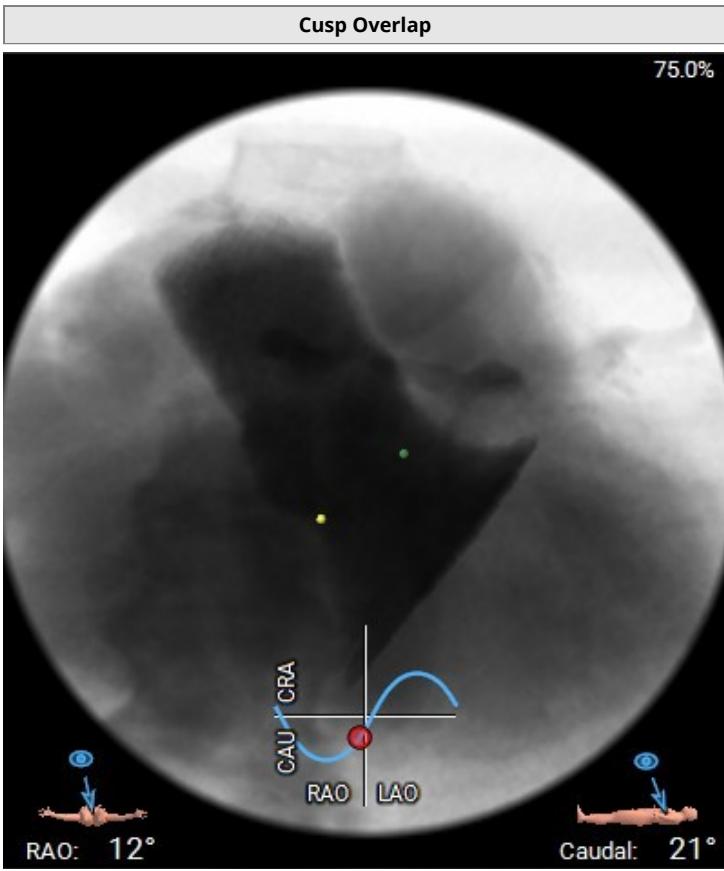
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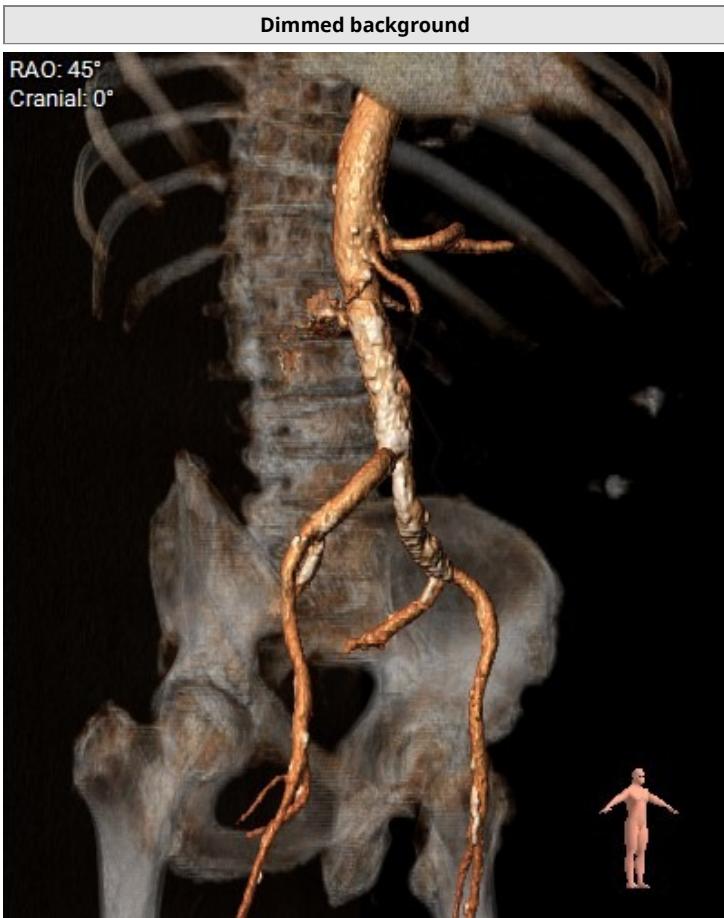
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RAO: 0°
Caudal: 0°

Ø 6.6 / 9.6 mm

Avg. Ø 8.1 mm

Ø 18.2 / 19.7 mm

Avg. Ø 18.9 mm

Ø 19.5 / 20.0 mm

Avg. Ø 19.8 mm

Ø 8.6 / 9.1 mm

Avg. Ø 8.9 mm

Ø 6.7 / 11.8 mm

Avg. Ø 9.3 mm

Ø 7.2 / 7.8 mm

Avg. Ø 7.5 mm

Ø 8.3 / 8.3 mm

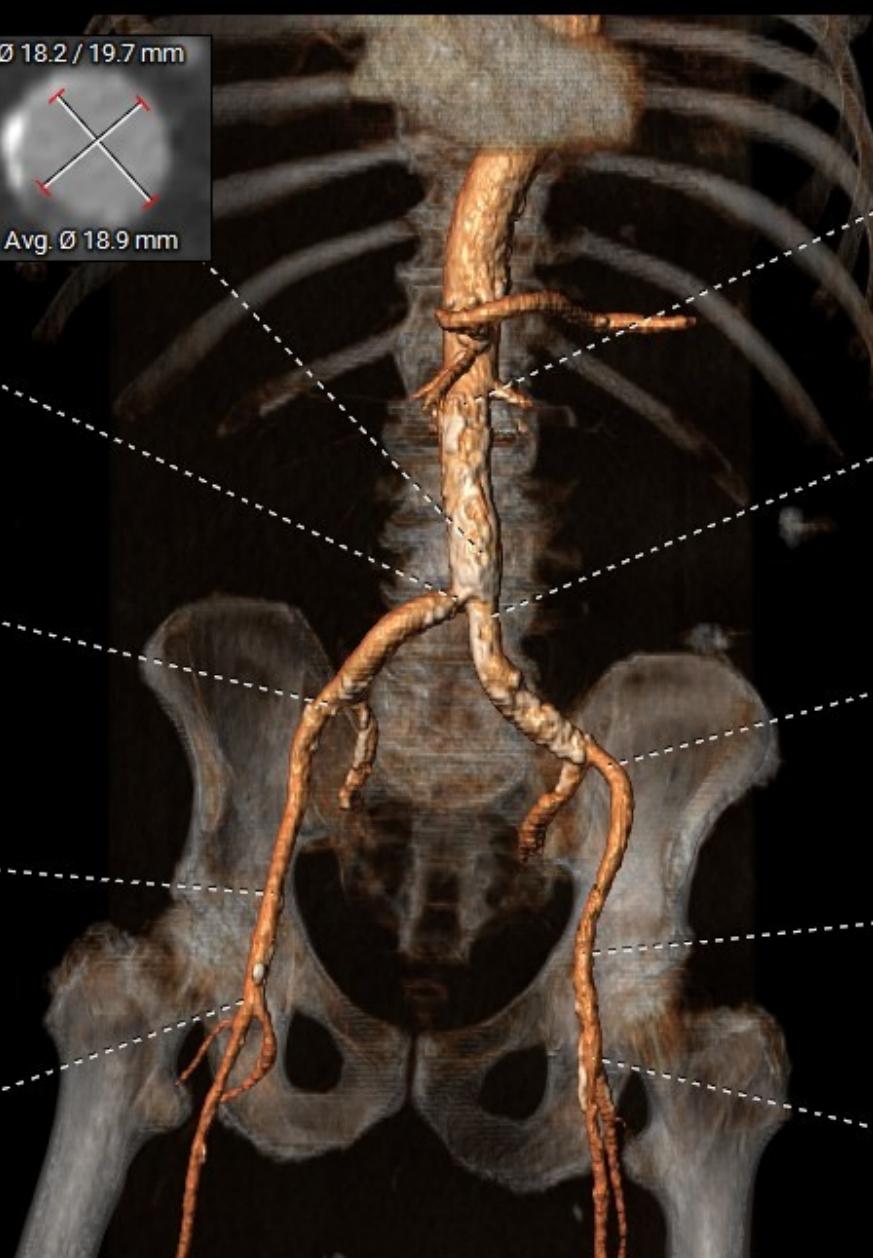
Avg. Ø 8.3 mm

Ø 6.1 / 9.0 mm

Avg. Ø 7.5 mm

Ø 8.1 / 8.3 mm

Avg. Ø 8.2 mm



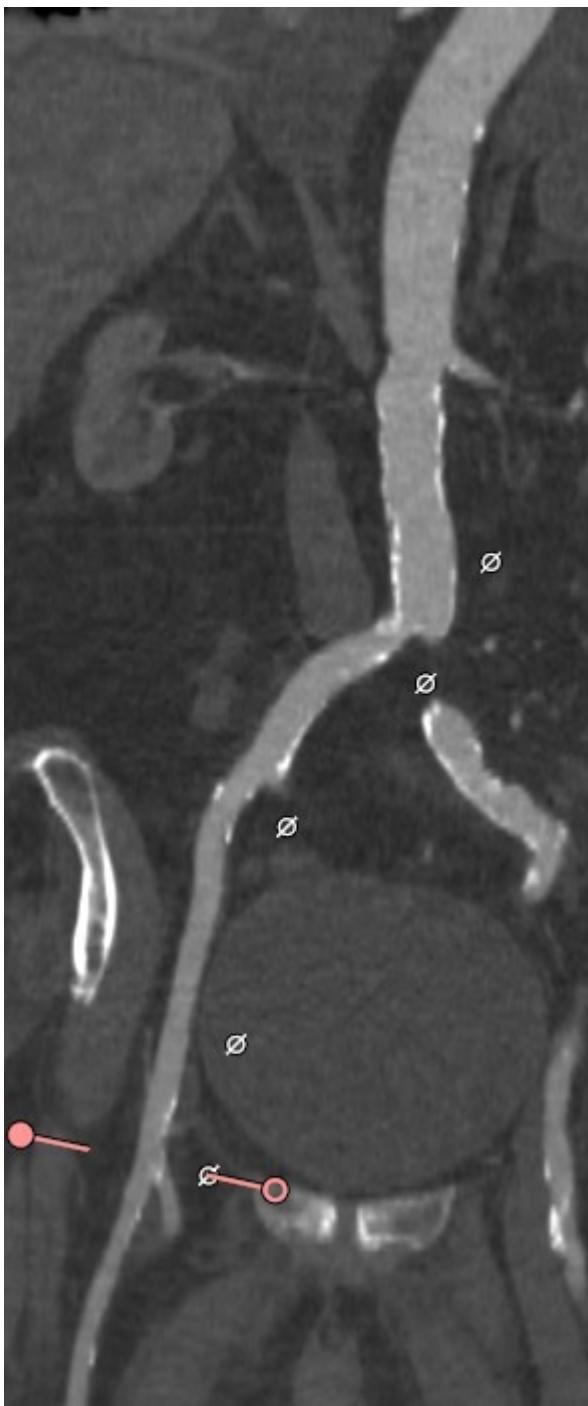
Ø 7.5 / 8.0 mm

Avg. Ø 7.7 mm

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Snake View - Right Iliac



Snake View - Left Iliac



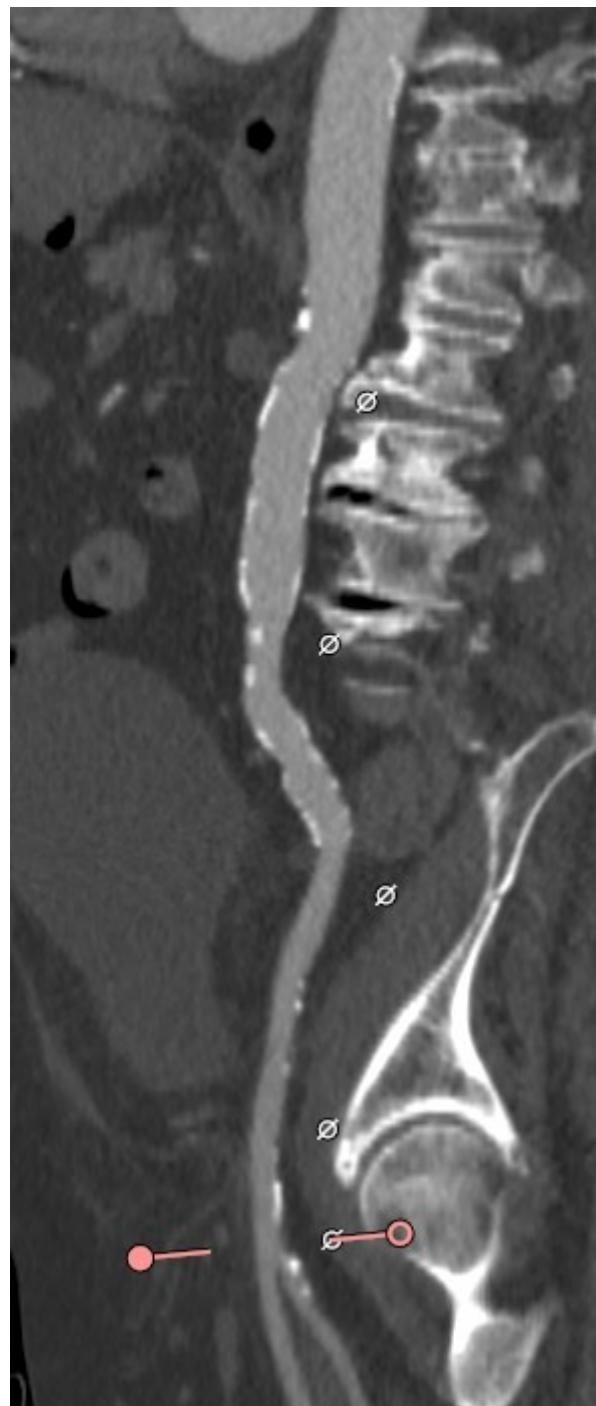
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Snake View - Right Iliac



Snake View - Left Iliac



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Edwards SAPIEN 3 Ultra RESILIA Transcatheter Heart Valve

Focus on the Outcomes That Matter

Predictors of 1 year Mortality	Hazard Ratio (95% CI)
Major Stroke ^{*1}	5.38*
Moderate-Severe PVL ^{*1}	1.88*
Permanent Pacemaker Implantation ²	1.31
Severe patient- prosthesis mismatch ³	1.19
Moderate patient- prosthesis mismatch ³	1.0

Edwards SAPIEN 3 Ultra RESILIA THV Patient Prosthesis Mismatch Tables According to VARC 3 Guidelines⁴ BMI < 30kg/m²

Calculated by mean EOA reference data, by valve size

Indexed EOA by Valve Size, TTV Registry Data

THV Size	20 mm	23 mm	26 mm	29 mm	
EOA, cm ²	1.50	1.80	2.00	2.30	
Patient BSA (m ²)	1.5	1.00	1.20	1.33	1.53
1.6	0.94	1.13	1.25	1.44	
1.7	0.88	1.06	1.18	1.35	
1.8	0.83	1.00	1.11	1.28	
1.9	0.79	0.95	1.05	1.21	
2	0.75	0.90	1.00	1.15	
2.1	0.71	0.86	0.95	1.10	
2.2	0.68	0.82	0.91	1.05	
2.3	0.65	0.78	0.87	1.00	
2.4	0.63	0.75	0.83	0.96	
2.5	0.60	0.72	0.80	0.92	
2.6	0.58	0.69	0.77	0.88	
2.7	0.56	0.67	0.74	0.85	
2.8	0.54	0.64	0.71	0.82	

*Hazard ratio data for the SAPIEN 3 platform

1. Arnold SV, et al. Impact of short-term complications on mortality and quality of life after transcatheter aortic valve replacement. JACC 2019; 12(4):362-369.

2. Fadahunsi OO, et al. Incidence, predictors, and outcomes of permanent pacemaker implantation following transcatheter aortic valve replacement – Analysis from the U.S. STS/ACC TTV Registry. JACC: Cardio Inter 2016;9(21):2189-2199.

3. Herrmann HC, et al. Prosthesis-patient mismatch in 62,125 patients following transcatheter aortic valve replacement – from the STS/ACC TTV Registry. DOI: 10.1016/j.jacc.2018.09.001.

4. Généreux P, et al. Valve academic research consortium 3: updated endpoint definitions for aortic valve clinical research, European Heart Journal 2021; 00: 1-33. doi:10.1093/eurheartj/ehaa799.

See accompanying Important Safety Information.

CAUTION: Federal (United States) law restricts these devices to sale by or on the order of a physician.

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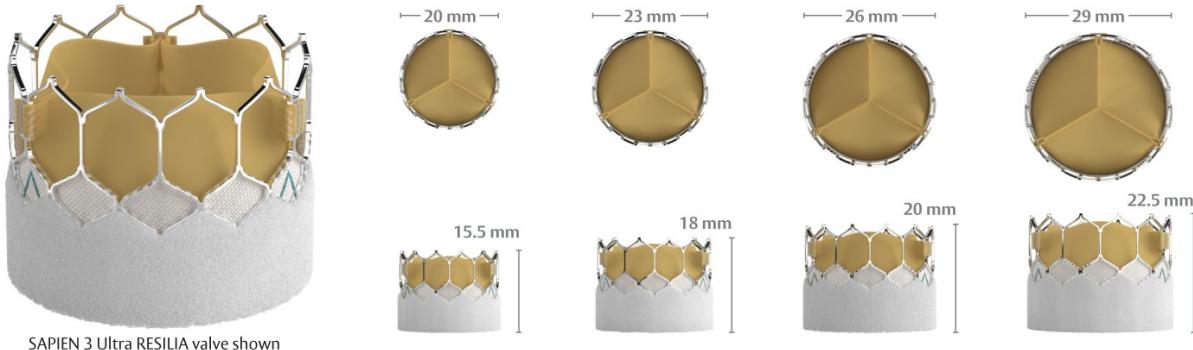
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Edwards SAPIEN 3, SAPIEN 3 Ultra, and SAPIEN 3 Ultra RESILIA Heart Valve System

Annulus Sizing And Vascular Access

Complete Range of Valve Sizes Expands the Treatable Patient Population



	20 mm	23 mm	26 mm	29 mm
Inflation Volume	11 mL	17 mL	23 mL	33 mL
Valve Nominal Areas (CT)	328 mm ²	406 mm ²	519 mm ²	649 mm ²
Area (CT)	273 - 345 mm ²	338 - 430 mm ²	430 - 546 mm ²	540 - 683 mm ²
Area-derived Diameter (CT)	18.6 - 21.0 mm	20.7 - 23.4 mm	23.4 - 26.4 mm	26.2 - 29.5 mm
Crimped Height*	21 mm	24.5 mm	27 mm	31 mm
Expanded Height	15.5 mm	18 mm	20 mm	22.5 mm
Foreshortening	5.5 mm	6.5 mm	7 mm	8.5 mm
Inner Skirt Height†	7.9 mm	9.3 mm	10.2 mm	11.6 mm
Outer Skirt Height - SAPIEN 3 Valve	5.2 mm	6.6 mm	7.0 mm	8.1 mm
Outer Skirt Height - SAPIEN 3 Ultra Valve	7.3 mm	9.0 mm	9.7 mm	NA
Outer Skirt Height - SAPIEN 3 Ultra RESILIA Valve	7.3 mm	9.0 mm	9.7 mm	11.0 mm

Transcatheter heart valve size recommendations are based on native valve annulus size, as measured by transesophageal echocardiography (TEE) or computed tomography (CT). Patient anatomical factors and multiple imaging modalities should be considered during the transcatheter heart valve size selection. Risks associated with undersizing and oversizing should be carefully considered.

Edwards eSheath+ Introducer Set



Access Vessel Sizing	20 mm	23 mm	26 mm	29 mm
Edwards eSheath+ Introducer Set	14F (4.6 mm)	14F (4.6 mm)	14F (4.6 mm)	16F (5.3 mm)
Minimum Vessel Diameter	5.5 mm	5.5 mm	5.5 mm	6 mm
Working Length	36 cm	36 cm	36 cm	36 cm

*Rounded to the nearest 0.5 mm

†Measured at bottom of zig-zag

See accompanying Important Safety Information.

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