

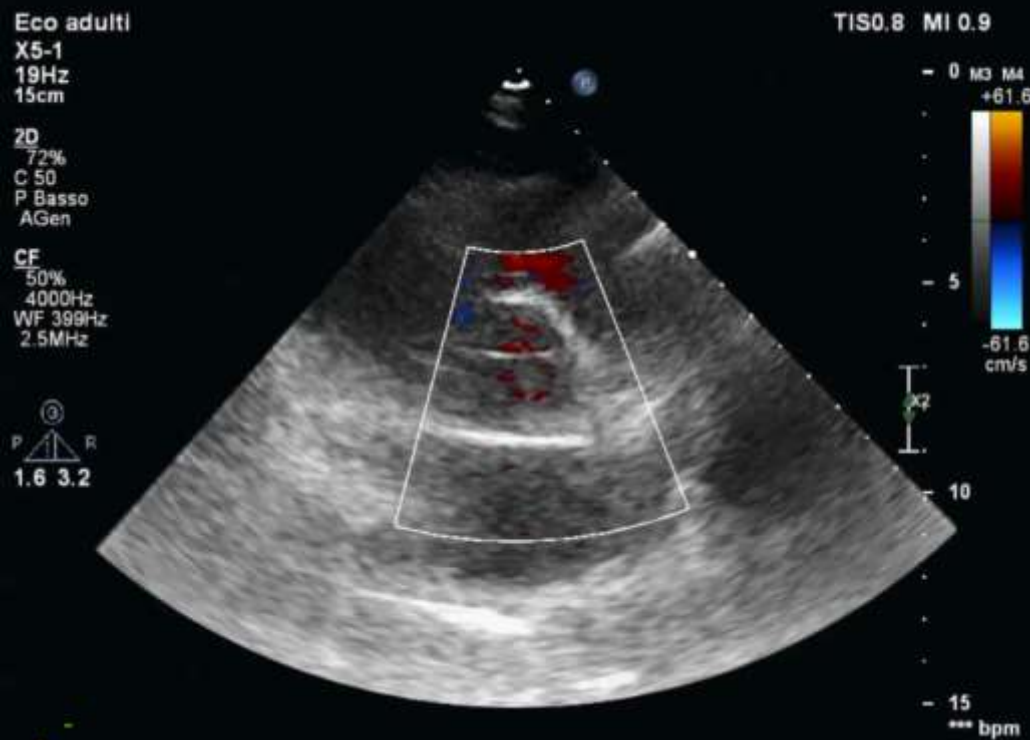
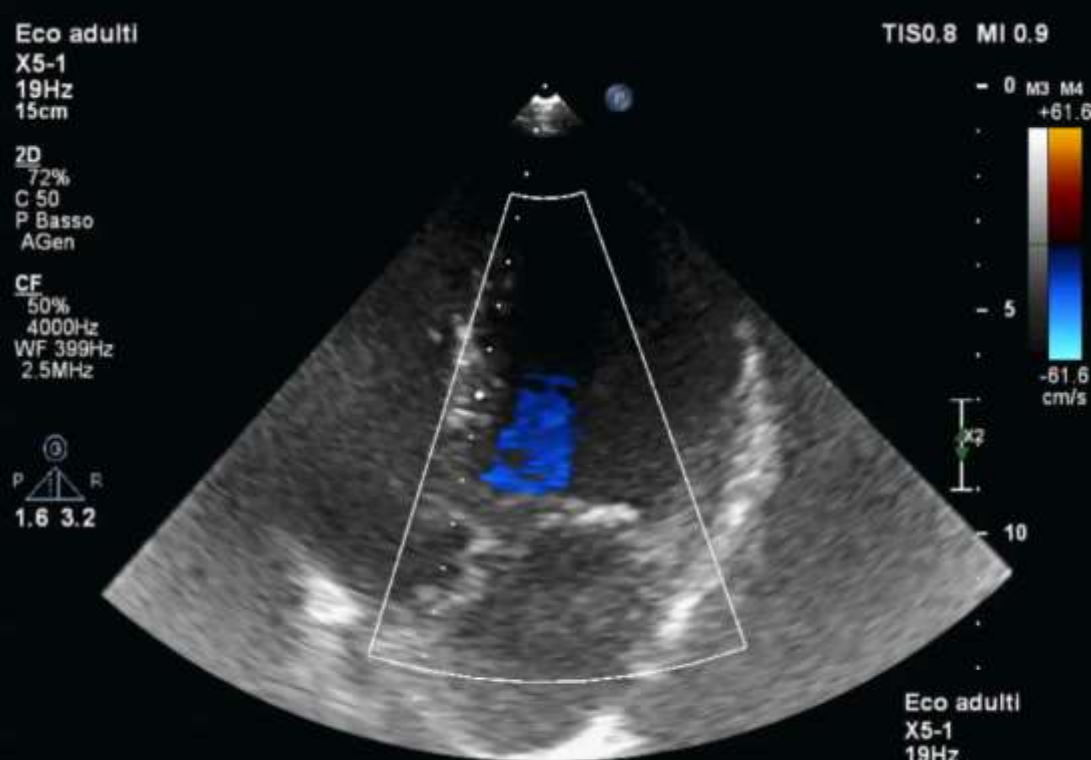
# *TAVR for AR: Case presentation*

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# *Clinical history*

- Female, 76 years old
- Previous breast cancer treated with surgical and radiotherapy.
- May 2017: dyspnea for minimal effort
- Echo: EF 50%, severe aortic regurgitation, EDD 56 mm.

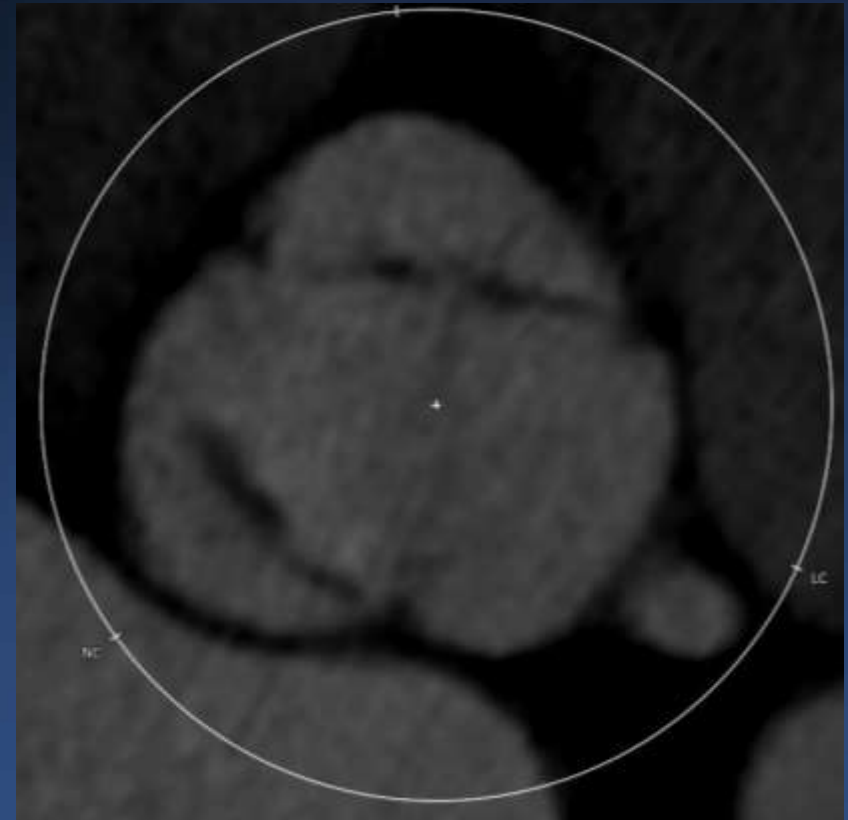
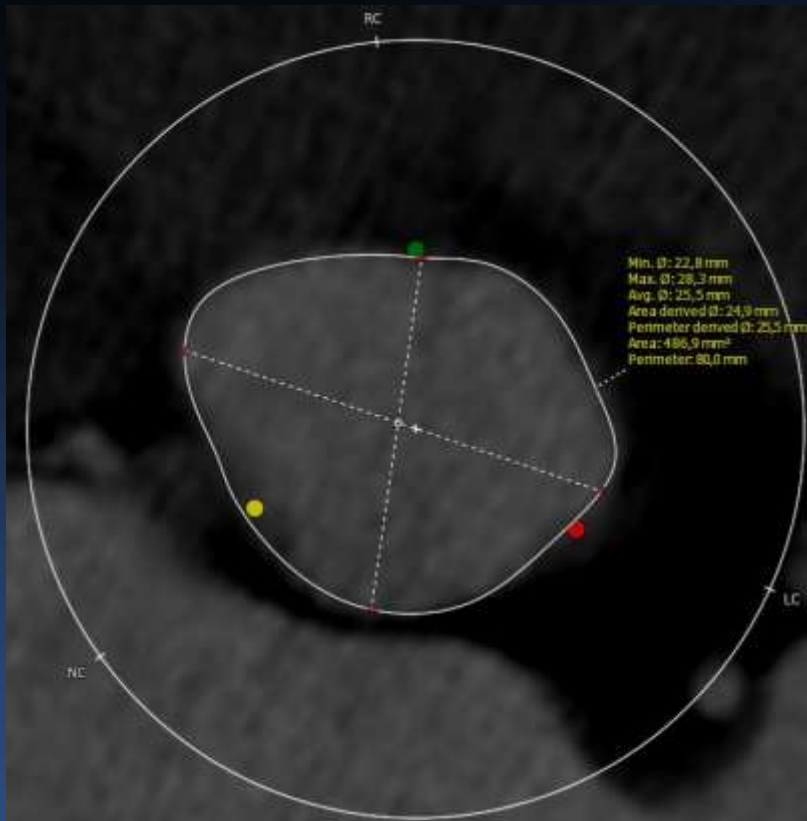


- Patients was evaluated for AVR or TAVI
- STS score 1,6%

	Favours TAVI	Favours SAVR
<b>Clinical characteristics</b>		
STS/EuroSCORE II <4% (logistic EuroSCORE I <10%) <sup>a</sup>		+
STS/EuroSCORE II ≥4% (logistic EuroSCORE I ≥10%) <sup>a</sup>	+	
Presence of severe comorbidity (not adequately reflected by scores)	+	
Age <75 years		+
Age ≥75 years	+	
Previous cardiac surgery	+	
Frailty <sup>b</sup>	+	
Restricted mobility and conditions that may affect the rehabilitation process after the procedure	+	
Suspicion of endocarditis		+

	Favours TAVI	Favours SAVR
<b>Anatomical and technical aspects</b>		
Favourable access for transfemoral TAVI	+	
Unfavourable access (any) for TAVI		+
Sequelae of chest radiation	+	
Porcelain aorta	+	
Presence of intact coronary bypass grafts at risk when sternotomy is performed	+	
Expected patient–prosthesis mismatch	+	
Severe chest deformation or scoliosis	+	
Short distance between coronary ostia and aortic valve annulus		+
Size of aortic valve annulus out of range for TAVI		+
Aortic root morphology unfavourable for TAVI		+
Valve morphology (bicuspid, degree of calcification, calcification pattern) unfavourable for TAVI		+
Presence of thrombi in aorta or LV		+

# CT measurements

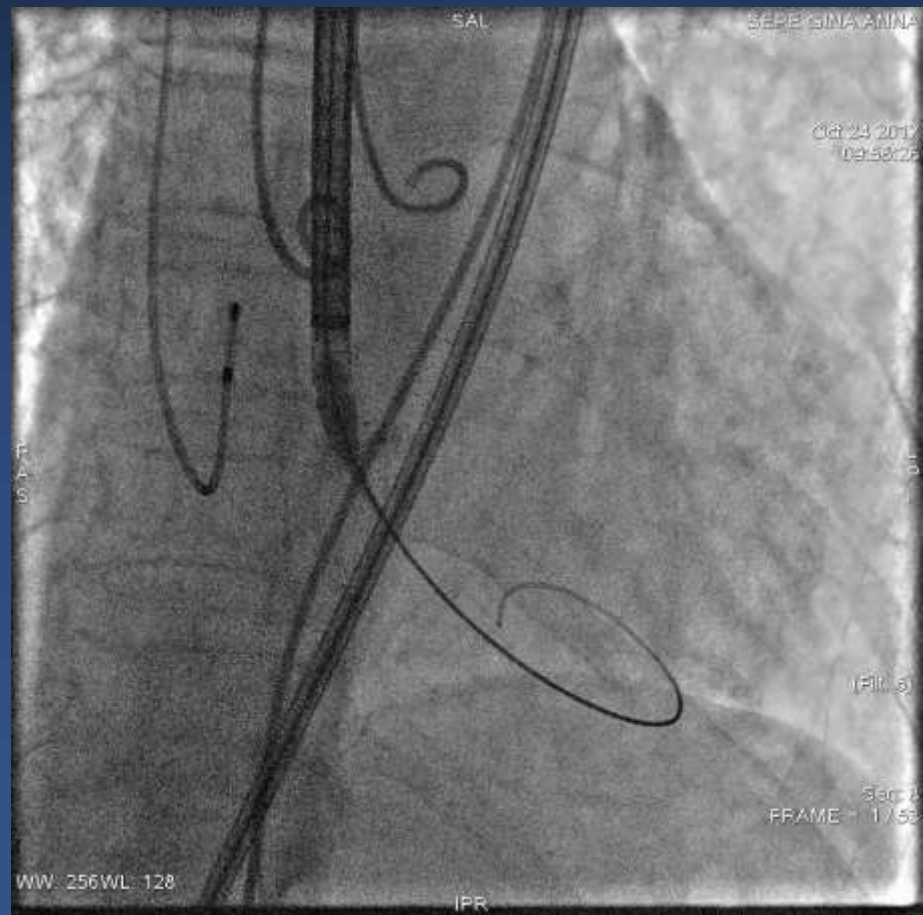
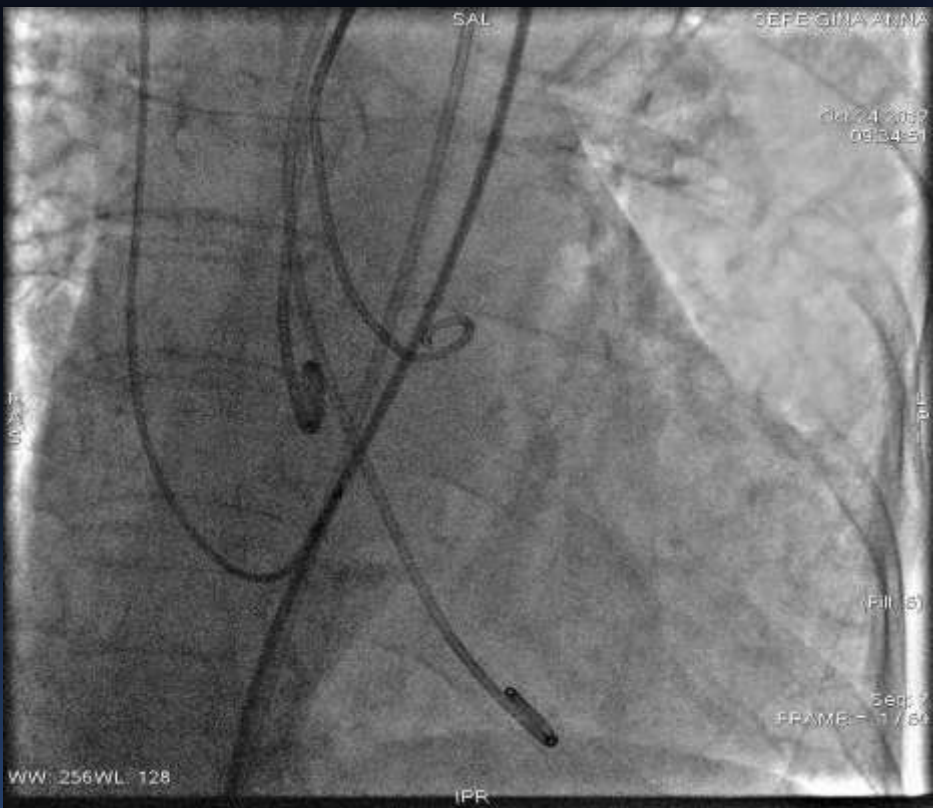


Annulus: perimeter 80 mm, area 486 mm<sup>2</sup>. Perimeter derived diam. 25.5

- For annulus measurement, TAVI size should be a 29 mm Evolut
- But, considering absence of calcification, we decide to oversizing device
- So we implant a Corevalve Evolut 34 mm

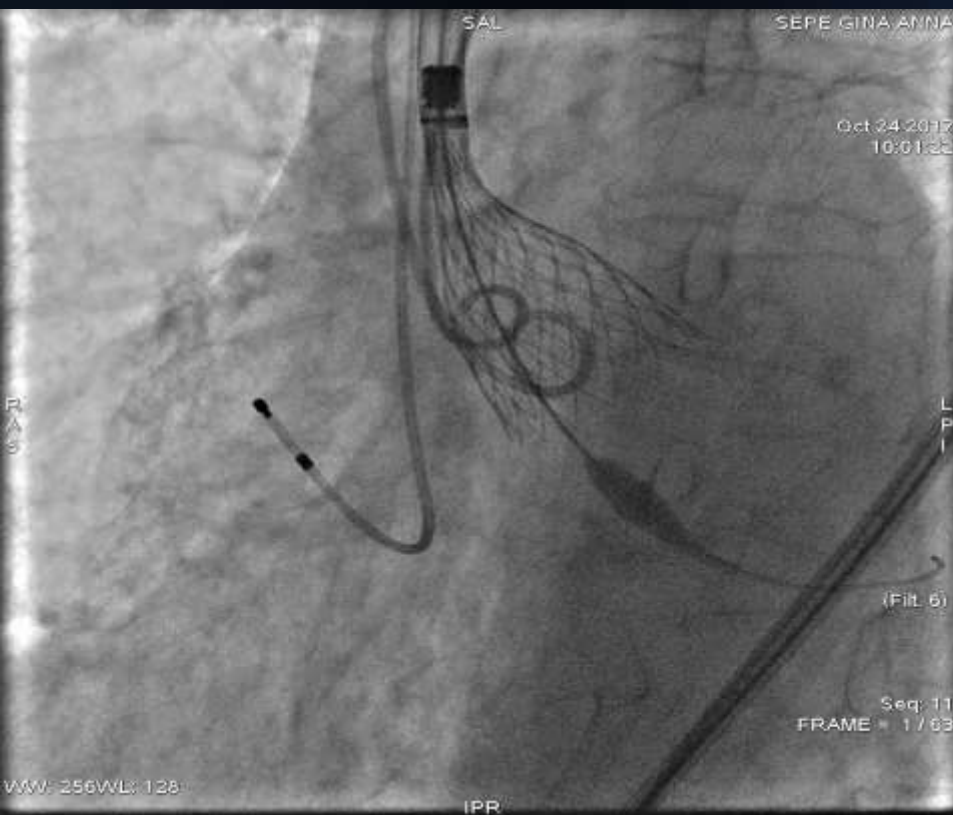
# Strategy for TAVI implant

- Dual femoral access
- Left brachial access for a dual pigtail in left and non-coronary sinus
- Pacing during implant

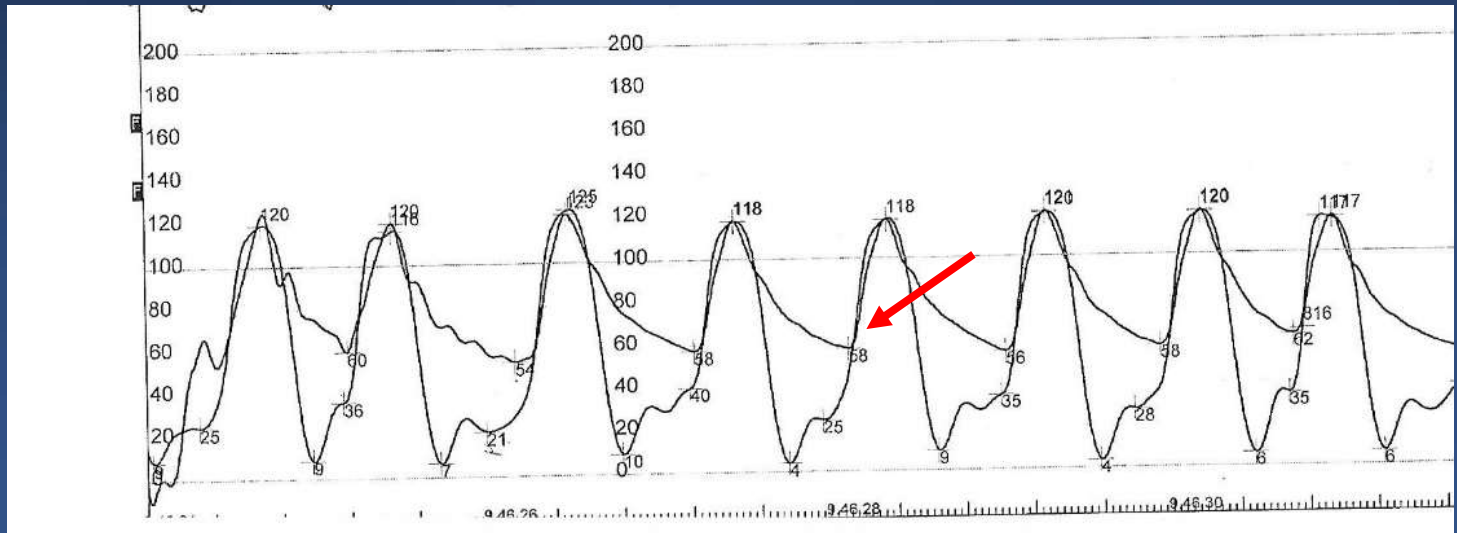
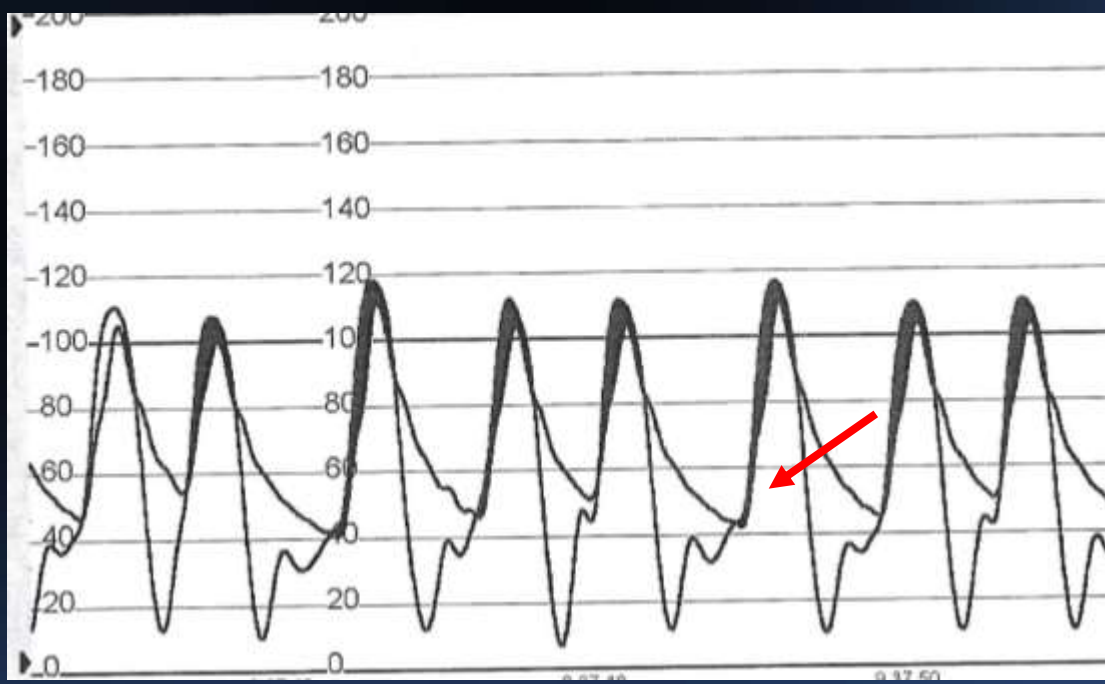












# Follow up 1 month



*Thanks for your attention*