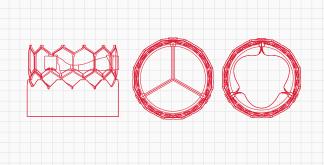
Balloon-expandable
TAVI valves have proven
durability at 5 years with
a promising outlook for
the future



At 5 years, transcatheter valve implantation (TAVI) and surgical aortic valve replacement (sAVR) durability are equivalent¹

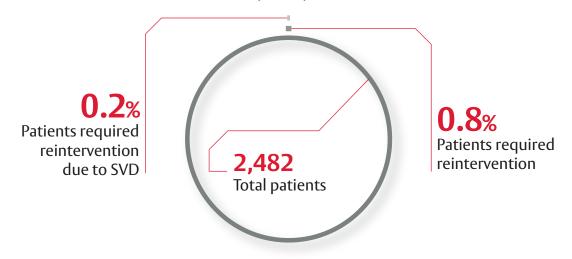
| | PARTNER Trial | |
|-------------------------|---------------|---------------------|
| Mean aortic valve area | | Mean valve gradient |
| TAVI 1.6cm ² | | TAVI 10.7mm Hg |
| sAVR 1.5cm ² | | sAVR 10.6mm Hg |

Mean aortic valve area: p=0.29; Mean valve gradient: p=0.92

There are no significant differences in¹:



Very few patients who received TAVI required reintervention due to structural valve deterioration (SVD)²



TAVI valves are tested with even more rigorous criteria for measuring SVD and bioprosthetic valve failure (BVF)

SAVRReintervention may be used as a surrogate for SVD.³

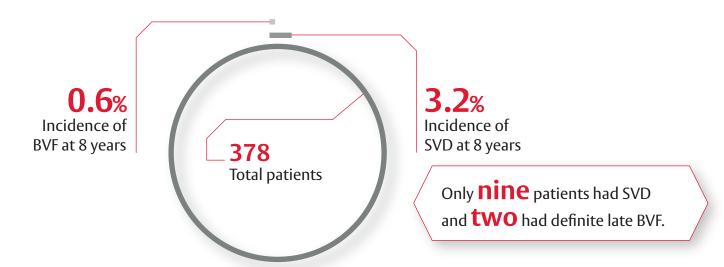
TAVI

SVD defined using specific measures (i.e. echocardiographic criteria)^{1,3,4} Moderate or severe regurgitation

Effective orifice area

Mean aortic gradient

Even so, studies still show very low rates of SVD and BVF at 8 years after TAVI⁴



At 2-year follow-up on the PARTNER 3 Trial, there was no change in mean gradient, aortic valve area or paravalvular regurgitation. Patients will be followed up to ten years.⁵



References: 1. Mack et al. Lancet 2015;385:2477–84. **2.** Douglas et al. JAMA Cardiol 2017; 2(11): 1197-1206. **3.** Dvir D, Bourguignon T, Otto CM, et al. Circulation. 2018;137(4):388-399. **4.** Eltchaninoff H, et al. Eurointervention 2018; 14(3): e264-e271. **5.** Mack MJ. Two-year clinical and echocardiographic outcomes from the PARTNER 3 low-risk randomized trial. Presented at: ACC 2020, Chicago, March 29, 2020.

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