

Aortic valve surgery vs. TAVI

A mid-term review of three studies compares patient outcomes after SAVR (surgical aortic valve replacement) or TAVI (trans-catheter aortic valve implantation) for people with severe aortic stenosis and low surgical risk. Studies cited: NOTION, PARTNER 3 and EVOLUT-LR. Long term TAVI valve durability remains to be studied.

This table shows where risk was the same (=) higher (↑) or lower (↓).	SURGERY	TAVI
Mortality	=	=
Stroke	=	=
Cardiac rehospitalisation	=	=
New onset of atrial fibrillation	↑	↓
Valve thrombosis	↓	↑
Bleeding	↑	↓
Pacemaker implantation	↓	↑

Take home messages:

- Both surgery and TAVI are excellent and durable options for people with severe aortic valve stenosis and low surgical risk.
- Patient lifestyle and preference should be taken into consideration when choosing which intervention a patient should receive.



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