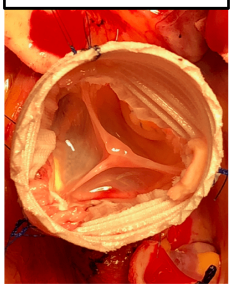
BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

PEARS

VSRR



PEARS 200 database [1]
AVIATOR registry [2]

↓

Retrospective subgroups

- **Syndromic aneurysm**
- **<60mm**
- **AR grade ≤ 1/4**
- **Elective surgery**

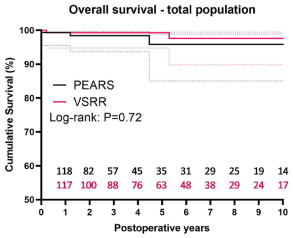
↓

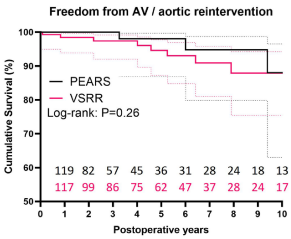
PEARS: n=159
VSRR: n=142

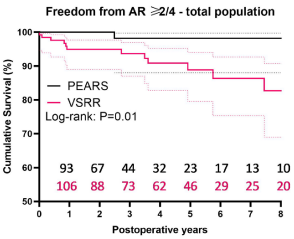
Propensity score matching

Outcomes
Survival
Freedom from reintervention
Aortic regurgitation

PEARS	**VSRR**
Age 31y	Age 33y
Root 46mm	Root 49mm
EuroSCORE II 1.0	EuroSCORE II 1.6
4.4% coronary complications	7% reop for bleeding
One perioperative death	No perioperative deaths







Take-home messages

Both VSRR and PEARS seem to offer very good mid-term survival, freedom from reintervention and preservation of valve function in syndromic root aneurysm with near normal valve function.

[1] Van Hoof et al. Heart 2021; [2] de Heer et al. JTCVS 2019. AR: aortic regurgitation, PEARS: personalized external aortic root support, VSRR: valve-sparing root replacement.