

	Ross	Biological	Mechanical
Survival 20y (valve related)	✓✓ ~94%	✓ ~88%	✓ ~84%
Re-operations 20y	✗ ~15-33%	✗✗ ~80-95%	✓✓ ~5-10%
Infectious endocarditis 20y	✓ ~4%	✗ ~5-15%	✗ ~5-15%
Bleeding 20y	✓✓ ~1%	✗ ~5-10%	✗✗ ~10-20%
Stroke 20y	✓✓ ~1%	✗✗ ~5-10%	✗✗ ~10-20%
Thrombo embolism 20y	✓✓ ~3%	✓ ~6-10%	✗ ~15-20%
Valve dysfunctions 20y	✗ ~30%	✗✗ ~80-95%	✓ ~5-10%
<b>Major benefits</b>	<ul style="list-style-type: none"> <li>• Best survival</li> <li>• Low risk blood clots, bleeds and stroke</li> <li>• Best chance of a long life with few complications</li> <li>• “Same lifestyle”</li> </ul>	<ul style="list-style-type: none"> <li>• Quick routine surgery</li> <li>• Free from drugs/tests</li> <li>• “Same lifestyle”</li> </ul>	<ul style="list-style-type: none"> <li>• Quick routine surgery</li> <li>• Low risk for re-op and dysfunction</li> </ul>
<b>Major downsides</b>	<ul style="list-style-type: none"> <li>• Not for all (&lt;60y, non-leaking valves, otherwise healthy)</li> <li>• Long and complex operation in DE/US (not in DK)</li> <li>• Two valves at risk (AV &amp; PV)</li> <li>• Long term re-op risk up to 33%</li> <li>• Re-ops to be done in US/DE</li> </ul>	<ul style="list-style-type: none"> <li>• Valve to be replaced every 12-18 year</li> <li>• Medium risk of strokes</li> <li>• Uncertainty of TAVI durability</li> </ul>	<ul style="list-style-type: none"> <li>• Lowest survival</li> <li>• Highest risk of blood clots, bleeds and stroke</li> <li>• Ticking noise</li> <li>• Frequent blood tests</li> <li>• AK-drugs daily</li> <li>• Lifestyle implications</li> </ul>
<b>My preference</b>	★★★★	★★	★