

APPENDIX

Supplementary Table 1: Sample search strategy (OVID searching EMBASE)

| # | Searches |
|----|--|
| 1 | (transcatheter aortic valve implantation or transcatheter aortic valve replacement).mp. |
| 2 | exp transcatheter aortic valve implantation/ |
| 3 | exp heart valve prosthesis/ |
| 4 | (TAVI or TAVR or transcatheter).mp. |
| 5 | exp heart catheterization/ |
| 6 | 1 or ((2 or 3) and (4 or 5)) |
| 7 | exp cognition/ |
| 8 | exp cognitive defect/ |
| 9 | ((cognitive or cognition or brain or memory or processing) adj3 (impair* or disorder or change or compromise or decline or speed or test)).mp. |
| 10 | exp memory/ |
| 11 | exp memory disorder/ |
| 12 | exp neuropsychological test/ |
| 13 | exp neuroimaging/ |

| | |
|----|---|
| 14 | exp diffusion weighted imaging/ |
| 15 | diffusion weighted mri.mp. |
| 16 | exp brain embolism/ |
| 17 | cerebral embolism.mp. |
| 18 | or/7-17 |
| 19 | 6 and 18 |
| 20 | limit 19 to (human and english language and yr="1990 -Current") |