

Appendix

We will search the reference lists of all identified publications for additional studies. There is no restriction on the language of publication. The searches will be rerun prior to the final analyses and any further studies identified will be included

Search terms for PubMed

| Search | Query |
|--------|--|
| #1 | "Sarcopenia"[MeSH Terms] |
| #2 | "Sarcopenia"[Title/Abstract] OR "Sarcopenias"[Title/Abstract] OR "Muscle mass"[Title/Abstract] OR "Muscle area"[Title/Abstract] |
| #3 | #1 OR #2 |
| #4 | "Transcatheter aortic valve implantation"[MeSH Terms] "Transcatheter aortic valve implantation"[Title/Abstract] OR "Transcatheter aortic valve replacement"[Title/Abstract] OR "TAVI"[Title/Abstract] OR "TAVR"[Title/Abstract] |
| #5 | #4 OR #5 |
| #6 | #3 AND #6 |

Search terms for MEDLINE

| Search | Query |
|--------|--|
| #1 | Sarcopenia. ab, ti. |
| #2 | Sarcopenias. ab, ti. |
| #3 | Muscle mass. ab, ti. |
| #4 | Muscle area. ab, ti. |
| #5 | #1 OR #2 OR #3 OR #4 |
| #6 | Transcatheter aortic valve implantation. ab, ti. |
| #7 | Transcatheter aortic valve replacement. ab, ti. |
| #8 | TAVI. ab, ti. |
| #9 | TAVR. ab, ti. |
| #10 | #6 OR #7 OR #8 OR #9 |
| #11 | #5 AND #10 |

Search terms for the Cochrane Library (in Title, Abstract, Keyword)

| Search | Query |
|--------|--|
| #1 | MeSH descriptor: [Sarcopenia] explode all trees |
| #2 | Sarcopenia |
| #3 | Sarcopenias |
| #4 | MeSH descriptor: [Muscle mass] explode all trees |
| #5 | Muscle mass |
| #6 | Skeletal muscle mass |
| #7 | MeSH descriptor: [Muscle area] explode all trees |
| #8 | Muscle area |

| | |
|-----|--|
| #9 | Muscle areas |
| #10 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 |
| #11 | MeSH descriptor: [Transcatheter aortic valve implantation] explode all trees |
| #12 | Transcatheter aortic valve implantation |
| #13 | Transcatheter aortic valve replacement |
| #14 | TAVI |
| #15 | TAVR |
| #16 | #11 OR #12 OR #13 OR #14 OR #15 |
| #17 | #10 AND #16 |

Search terms for EMBASE

| Search | Query |
|--------|--|
| #1 | 'Sarcopenia'/exp |
| #2 | 'Sarcopenia': ab, ti |
| #3 | 'Sarcopenias': ab, ti |
| #4 | 'Muscle mass'/exp |
| #5 | 'Muscle mass': ab, ti. |
| #6 | 'Muscle area'/exp |
| #7 | 'Muscle area': ab, ti. |
| #8 | 'Muscle areas': ab, ti. |
| #9 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 |
| #10 | 'Transcatheter aortic valve implantation'/exp |
| #11 | 'Transcatheter aortic valve implantation': ab, ti. |
| #12 | 'Transcatheter aortic valve replacement': ab, ti. |
| #13 | 'TAVI': ab, ti. |
| #14 | 'TAVR': ab, ti. |
| #15 | #10 OR #11 OR #12 OR #13 OR #14 |
| #16 | #9 AND #15 |

Search terms for Web of Science

| Search | Query |
|--------|---|
| #1 | Sarcopenia (Topic) OR Sarcopenia (Title) OR Sarcopenia (Abstract) OR Sarcopenias (Topic) OR Sarcopenias (Title) OR Sarcopenias (Abstract) |
| #2 | Muscle mass (Topic) OR Muscle mass (Title) OR Muscle mass (Abstract) OR Muscle area (Topic) OR Muscle area (Title) OR Muscle area (Abstract) OR Muscle areas (Topic) OR Muscle areas (Title) OR Muscle areas (Abstract) |
| #3 | #1 OR #2 |
| #4 | Transcatheter aortic valve implantation (Topic) OR Transcatheter aortic valve implantation (Title) OR Transcatheter aortic valve implantation (Abstract) |
| #5 | Transcatheter aortic valve implantation (Topic) OR Transcatheter aortic valve implantation (Title) OR Transcatheter aortic valve implantation (Abstract) |
| #6 | TAVI (Topic) OR TAVI (Title) OR TAVI (Abstract) |

#7 TAVR (Topic) OR TAVR (Title) OR TAVR (Abstract)
#8 #4 OR #5 OR #6 OR #7
#9 #3 AND #8
