



Supporting Information

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Adie S, Harris I, Chuan A, et al. Who should undergo total knee arthroplasty and how can patients be optimised for surgery? *Med J Aust* 2019; doi: 10.5694/mja2.12109.

Appendix

Electronic search strategies

The following are the search filters used for each section of this review.

The “TKR filter” was used for all searches, and the results were limited to “systematic reviews” OR “randomized controlled trial”. In the absence of high-level evidence, other evidence has been cited. Guidelines were also identified.

TKR filter

1. Arthroplasty/ or Arthroplasty, Replacement, Knee/
2. knee prosthesis/
3. tkr.tw.
4. tka.tw.
5. or/1-4

Predictive tools / Appropriateness for TKA

1. predict\$.ti
2. appropriate\$.ti
3. select\$.ti
4. or/1-3.

Optimising preoperative rehabilitation

1. Physical Therapy Modalities/
2. Exercise Therapy/
3. Exercise/
4. rehabilitation.tw.
5. prehabilitation.tw.
6. preoperative rehabilitation.tw.

7. or/1-6

Optimising patient satisfaction

Optimising cardiac disease

1. cardiology/
2. cardiac.tw.
3. heart.tw.
4. or/1-3

Optimising respiratory disease

1. pulmonary medicine/
2. respiratory.tw.
3. lung.tw.
4. or/1-3

Optimising diabetes mellitus

1. diabetes mellitus/
2. diabet\$.tw.
3. or/1-2

Optimising obesity

1. obesity/
2. overweight/
3. obesity, morbid/
4. bariatric surgery/
5. obes\$.tw.
6. bariatric.tw.

7. or/1-6

Satisfaction

1. Satisfaction.tw.
2. Dissatisfaction.tw
3. Patient satisfaction/
4. Or/1-3

Optimising vascular disease

1. Vascular Diseases/
2. Peripheral Arterial Disease/
3. intermittent claudication/
4. arterial occlusive diseases/
5. vascul\$.tw.
6. arter\$.tw.
7. or/1-6

Optimising smoking status

1. smoking/
2. smoking prevention/
3. smok\$.tw.
4. or/1-3