Bariatric surgery and total knee/hip arthroplasty: an analysis of the impact of sequence and timing on outcomes: an infographic

Rajnish K Gupta 1, Eric S Schwenk 2

SUMMARY

There has been significant debate regarding whether patients with high body mass index should have bariatric surgery or total knee/hip arthroplasty (TKA/THA) first if they are scheduled to have both. Liu et al have published a retrospective database analysis study to help address this question. In their review of 2,894 patients who underwent both operations within a 5-year period, they determined that performing TKA/THA before performing bariatric surgery was associated with an OR of 4.8 times higher risk of major complications (7.0% vs 1.9%). In addition, there was a similarly high risk of postoperative need for intensive care unit (ICU) admission (OR 6.8), postoperative need for ventilator use (OR 13.1), 30-day readmission (OR 6.9), and 90-day readmission (OR 2.2). Of note was that patients having their second surgery within 6 months of their first surgery, regardless of which operation was performed first, had significantly poorer outcomes. Their assessment suggests that performing bariatric surgery prior to TKA/THA would be advisable when both operations are planned for a patient. In addition, regardless of which surgery is done first, the second operation should be delayed until at least 6 months after the first.

Correspondence to Dr Rajnish K Gupta, Anesthesiology, Vanderbilt University Medical Center, Nashville, TN 37232, USA; raj.gupta@vumc.org
Twitter Rajnish K Gupta @dr_rajgupta and Eric S Schwenk @ESchwenkMD
Acknowledgements We would like to acknowledge Jim Snively, artist, of Pittsburgh, Pennsylvania, USA, for creation of this infographic.
Contributors Both authors contributed to the origination, editing, and approval of the submission.
Funding The authors have not declared a specific grant for this research from any funding agency in the public, commercial or not-for-profit sectors.
Competing interests Both authors are co-associate editors of Regional Anesthesia and Pain Medicine.
Patient consent for publication Not required.
Provenance and peer review Commissioned; internally peer reviewed.
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REFERENCE