

Review of outpatient versus inpatient total knee replacement perioperative complications and readmission rates.

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Abstract

Traditionally, total knee arthroplasty has been considered an inpatient procedure. The Centers for Medicare and Medicaid Services removed total knee arthroplasty from the inpatient-only list in 2018. This change was implemented with the expectation of reducing hospital costs through decreased length of stay associated with outpatient total knee arthroplasty. However, concerns of safety have arisen with early discharge post-total knee arthroplasty. This literature review compares 7 studies and 1 meta-analysis on the rates of perioperative complications and readmission following inpatient versus outpatient total knee arthroplasty. Each study consisted of differing patient age, body mass index, and comorbidities within the outpatient and inpatient group. Comparison of outpatient versus inpatient total knee arthroplasty yielded no significant difference in readmission rates or perioperative complications between groups. Therefore, effectuating the decrease in healthcare cost without a change in complications and readmission rates. This result may be attributed to strict patient selection in the outpatient group according to comorbidities.

Conflict of Interest Statement

I, William “Hank” Tobener V, do not have financial or potential conflict of interest in relation to this poster presentation

