

عنوان مقاله:

Hypoalbuminemia and the Higher Risk of Perioperative Sentinel Adverse Events in Patients Undergoing Total Shoulder Arthroplasty: A Propensity Score Matched Analysis

محل انتشار:

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نویسندگان:

Micheal Raad - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Matthew Best - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Davis Rogers - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Rachel Bronheim - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Suresh Nayar - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Varun Puvanesarajah - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Majd Marrache - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

Uma. Srikumaran - *Department of Orthopaedic Surgery, The Johns Hopkins University, Baltimore, Maryland, USA*

خلاصه مقاله:

Background: The purpose of this study is to examine the effect of hypoalbuminemia (HA) on sentinel adverse events after total shoulder arthroplasty (TSA). **Methods:** Patients who underwent primary TSA from ۲۰۱۵-۲۰۱۸ were collected from the National Surgical Quality Improvement Program (NSQIP) database. Patients with HA (serum albumin < ۳.۵ g/dL) were compared to patients with normal serum albumin. A probit regression model was used to estimate a propensity score. Logistic regression was performed to evaluate the effect of HA on sentinel adverse events after surgery. **Results:** A total of ۴,۳۳۷ patients were included, ۸.۲% of patients had HA. Patients with HA had higher rates of sentinel adverse events (۱۴.۰% vs ۵.۵%, $P<۰.۰۱$) compared with patients who had normal serum albumin. Reoperation (۴.۵% vs ۱.۵%, $P<۰.۰۱$), readmission (۱۱.۲% vs ۳.۹%, $P<۰.۰۱$), urinary tract infection (۰.۸% vs ۰.۰۳%, $P<۰.۰۱$) and pulmonary embolism (۱.۱% vs ۰.۲%, $P=۰.۰۱$) were higher in patients with HA. The odds ratio for a sentinel event for patients with HA was ۲.۶ (۹۵% CI: ۱.۵۴, ۴.۴۴, $P<۰.۰۱$) when compared to a propensity score-matched control group. **Conclusion:** Patients with HA are at increased risk of sentinel adverse events following TSA compared to patients with normal serum albumin levels. Level of evidence: II

کلمات کلیدی:

Adverse events, Albumin, Hypoalbuminemia, Shoulder Arthroplasty

لینک ثابت مقاله در پایگاه سیویلیکا:

