



# Incidence and Risk Factors of Acute Kidney Injury after Esophageal Cancer Surgery: A Nested Case-Control Study

were more likely to experience postoperative complications, including pneumonia, sepsis, and wound infections.

## **Discussion**

**Incidence of AKI:** The incidence of AKI in our study (13.6%) was higher than previously reported rates for esophageal cancer surgery. This study emphasizes the need for heightened awareness of AKI in this patient population and underscores the importance of studying its risk factors.

**Age and CKD:** The association between older age and a higher risk of AKI is consistent with findings in other surgical populations. Older patients may have reduced renal functional reserve, making them more susceptible to insults that can precipitate AKI [9]. Additionally, the increased prevalence of pre-existing CKD in the AKI group highlights the importance of identifying and managing CKD preoperatively.

**Surgical complexity:** The higher incidence of AKI in patients

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