

Rebecca M Ruester
L2
LSU Health Sciences Center, New Orleans, LA

Dr. Alison Smith, MD, PhD
LSUHSC, Department of Surgery

“Outcomes of Interventional Radiology Procedure In Geriatric Trauma Patients”

Background: Geriatric patients represent a growing population in the healthcare setting. Geriatric patients are more susceptible to morbidity and mortality due to age-related changes, which presents significant challenges in management. Specifically, geriatric trauma patients face significant complications from their injuries and the need for operative procedures. The increase of minimally invasive procedures performed by Interventional Radiologists in the field of trauma has not specifically been studied in this high-risk patient population. The objective of this study was to evaluate the utilization of interventional radiology (IR) procedures for trauma-related injuries in geriatric patients and any associated complications.

Methods: A retrospective chart review of all adult trauma patients undergoing IR procedures was performed at a Level 1 trauma center from January 1, 2019, to January 1, 2024. Patients were divided into two groups based on age ≥ 65 years old. The primary outcome measured was the incidence of procedural complications in the geriatric population. Secondary outcomes included hospital length of stay, ICU length of stay, DVT/PE, blood product requirement, surgical procedures, and in-hospital mortality. Univariate analyses were performed.

Results: Data collection is still in progress.

Conclusions: Conclusions will be drawn upon completion of data analysis.