



AB085. SOH22ABS232. Does previous fragility fracture impact upon mortality in a hip fracture cohort?—A retrospective study

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Background: Hip fractures remain a common but burdensome injury among older patients. Many factors influence a patient's risk of hip fracture and their subsequent risk of death. Fragility fractures are described as fractures resulting from low-energy trauma and are considered diagnostic of reduced bone mineral density or osteoporosis. This study investigates whether a previous fragility fracture impacts upon mortality in patients who have had a hip fracture.

Methods: This retrospective study examined consecutive patients presenting to a tertiary orthopaedic centre with a hip fracture over a five year period. Demographics examined included gender, age, type of fracture, type of surgery, bone protection medication, American Society of Anaesthetics (ASA) grade, and post-fracture outcomes including death at 30 days and death at 1 year.

Results: There were 964 patients included, 290 of whom had sustained a previous fragility fracture. Two hundred and eighty-nine patients were male and 675 female. Thirty-three patients had died in the 30 days following their surgery, and 180 patients had died within 1 year. We found statistically significant results for gender, and age but not

for previous fragility fracture influencing mortality.

Conclusions: We found that previous fragility fracture does not impact upon mortality in a hip fracture cohort. However, gender and age did impact upon mortality in this study.

Keywords: Hip fracture; fracture; fragility; orthopaedics; osteoporosis

Acknowledgments

Funding: None.

Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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doi: 10.21037/map-22-ab085

Cite this abstract as: Miller P, Murphy E, Murphy R, Doran C, Murphy B, Hurson C. AB085. SOH22ABS232. Does previous fragility fracture impact upon mortality in a hip fracture cohort?—A retrospective study. *Mesentery Peritoneum* 2022;6:AB085.