

## How Well Are We Managing Fragility Hip Fractures In Elderly? An Audit for Hospital Queen Elizabeth in 2023

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### INTRODUCTION:

Hip fracture is the most common serious injury of older people and is becoming one of the major healthcare burdens on a society with an ageing population. Thus, it is important to improve the quality of hip fracture care. We conducted a retrospective study on the management of fragility hip fractures in Hospital Queen Elizabeth.

### METHODS:

Clinical data on fragility hip fracture patients admitted to Hospital Queen Elizabeth in 2023 were captured. These includes the quality of care which was measured in 2 ways: whether patient underwent surgery and whether patients had early surgery, defined as surgery less than 48 hours from admission time.

### RESULTS:

84 elderly patients with hip fractures were admitted to Hospital Queen Elizabeth in year 2023. The operative rate is 79%, and the surgeries include total Hip replacement, Bipolar Hemiarthroplasty, Proximal Femur Nail insertion and Dynamic hip Screw fixation. The early surgery rate was 26%.”

**Table 1** showing total number of elderly operative timing in 2023.

GENDER	EARLY OPERATION	OPERATED MORE THAN 48H	NON OPERATED
MALE	6	15	9
FEMALE	11	34	9
TOTAL	17	49	18

**Table 2** showing percentage of elderly operative rate in 2023

GENDER	OPERATED	NON OPERATED
MALE	21	9
FEMALE	45	9
PERCENTAGE	79%	21%

### DISCUSSIONS:

This report reviewed the management of fragility hip fractures in Hospital Queen Elizabeth, Kota Kinabalu Sabah based on the standards of care set by the BOA Blue Book. The delay in surgery for 20% of patient may have been due to time spent awaiting medical optimization by Physician, implant funding issue and limited surgery slot.

While 21% of patient had not been operated due to patient’s decision, financial issues for noncitizen and patient expired while waiting for surgery.

### CONCLUSION:

This study suggests that prompted improvements in hip fracture care in elderly are essential, and well-coordinated multidisciplinary care will improve the outcome in the coming years.

### REFERENCES:

1. The care of patients with fragility fracture, British Orthopaedic Association:2007
2. Fracture Liaison Service and Its Role in Secondary Fracture Prevention in Malaysia : A Scoping Review, Malays Orthop J. 2023 Jul