

3<sup>rd</sup> International Conference on

# ORTHOPEDICS

Received date: 16.11.2022 | Accepted date: 19.11.2022 | Published date: 03.01.2023

## Hip replacement for femur neck fracture in the elderly, effects of delayed surgical intervention on morbidity and mortality, a retrospective comparative study

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Hip fracture is one of the most common injuries in the elderly population. Delay in operating on patients with hip fractures is associated with greater mortality and morbidity. A retrospective review of medical charts of patients who underwent primary total hip replacement (THR) for the neck of femur fractures at our tertiary care level 1 trauma was carried out. Data were collected from the patient's charts and analyzed for 30-day mortality and morbidity. A total of 96 patients were included in the study. Out of the 36 patients in the delayed THR group, mortality within 30 days was observed in 4 (11.1%) patients while none was noted in the early THR group. The difference was statistically significant with a P-value of 0.008. With regards to post-operative complications, a significantly higher percentage of patients were noted to have developed electrolyte imbalances ( $P = 0.003$ ), postoperative psychosis ( $P = 0.02$ ) and acute kidney injury (AKI) ( $P = 0.02$ ) in the delayed THR group compared to the early THR group. A delay in surgery for the neck of femur fracture is associated with increased 30-day mortality and postoperative complications.

### Recent Publications

1. Hashmi SS, Abbas A, Bukhari A, Saeed J, Shafqat A, Siddique

AH, et al. Selective Neck Dissection for Node-Positive Oral Cavity Squamous Cell Carcinoma: A Retrospective Cohort Study. International Archives of Otorhinolaryngology. 2022.

2. Saeed J, Khan MYD, Umer M, Fadoo Z. Primary lymphoma of bone in children-A case series. Journal of Pakistan Orthopaedic Association. 2021;33(04):180-3
3. Durrani MYK, Saeed J, Umer M, Hashmi P. Functional outcomes and complications of total hip arthroplasty with dual mobility cup: an audit. JPMA The Journal of the Pakistan Medical Association. 2021;71(8 (Suppl 5)): S87.

### Biography

Javeria Saeed, engaged in clinical research and specifically I have 8 years experience of working on cancer research to fulfill my passion for surgical oncology research and enrich my research writing and analysis skills. Besides being involved in research activities, I had been teaching medical research skills that include different research methodologies and the use of statistical software to medical residents. I have also been providing consultation to the residents of the Dept. of Orthopedics, involved in orthopedic surgery research at Aga Khan University Hospital. Presently I am working as an instructor in research in the department of surgery.

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