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Functional outcomes and complications of total hip arthroplasty with dual mobility cup, an audit

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Objective: To determine the functional outcomes of total hip arthroplasty with a dual mobility cup, performed in our hospital.

Methods: After receiving an exemption from the Ethics review committee of the hospital, data collection for the audit was started in January 2019. Records from July 2016 to June 2018 were included. All patients who underwent total hip arthroplasty with dual mobility prosthesis without any age limit were included. A proforma was prepared to collect the required information. Data was entered and analyzed on SPSS v. 21.

Results: Two hundred and ten patients were included, 114 females and 96 males. Of the total, 188 patients underwent unilateral surgery while 22 had bilateral hip arthroplasty. The mean postoperative hospital stay was 5.91 ± 3.9 days. The mean pre-op Harris score was 33.7 ± 7.6 and the post-op means the score was 75.9 ± 5.34 . Eighty-three (39.5 %) patients had a neck or femur fracture, 31 (14.8%) had osteoarthritis and 28 (13.3%) had avascular necrosis. Post-surgery complications included wound infection, surgical site hematoma, and NSTEMI, and only one patient reported dislocation after the use of a dual mobility cup. Conclusion: The dislocation rate which was the prime concern, has been reduced with the use of dual mobility implants in total hip arthroplasty patients.

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. * [IF:0.53]

Biography

Javeria Saeed, It's been almost 9 years that I am 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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