SciTechnol
International Publisher of Science, Technology and Medicine

Journal of Spine & Neurosurgery

The evaluation of Total Knee Replacement implanted with and without navigation system

Munaf A Hatem

Peaceland Medical service, Oman

Abstract

Osteoarthritis of the knee joint is a condition in which the natural cushioning between joints, bones and cartilage wears away. This situation results in pain, swelling, stiffness and decreased range of the knee motion and ability to walk. This condition can occur even in young people but the chance of developing osteoarthritis rises after the age of 45 years. According to the Arthritis Foundation, more than 27 million people in the U.S. have osteoarthritis, with the knee being one of the most commonly affected areas. Women and obese patients are more likely to have osteoarthritis than men.

In patients with severe deformity and advanced stages of osteoarthritis the surgery may be indicated. The standard for treatment of advanced stages of osteoarthritis is Total Knee Arthroplasty (TKA), which give patients relieve pain and increase range of the joint motion. Knee Replacement Surgery can be performed as a partial or a total knee replacement, however the total knee replacement is most common performed. To improve the results of TKA many different techniques were employed for this procedure. One of those is the use of navigation system during surgery. In the Clinic of Orthopedics and Pediatric Orthopedics Medical University of Lodz, the total knee arthroplasty is routinely performed since 1986.

The aims of this study was to compare the results of total knee arthroplasty performed with the use of navigation system and with conventional knee arthroplasty and to evaluate the effectiveness of navigation system to support total knee arthroplast.

Biography

Munaf A Hatem studied and practice in Republic of Iraq. I graduated from Medical school at 1998, and then I joined orthopedic programs in different Iraq hospitals. Since 2006 i decided to travel and live in Sultanate of Oman, then I started my practice their since 2010. I decided to pursue my ambition, I joined fellowship and PhD program in Medical University of Lodz, Republic of Poland, now I practice my specialization in both of Sultanate of Oman and Poland. I am member and follow of many orthopedic organizations and committees, most of them are global, e.g. AAOS, ESSKA, SICOT, I am member in scientific committee of some of this organization; recently I participated in first & second Rheumatology and Orthopedic Congress in Spain as keynote speakers and chairman for some sessions, in Paris as Plenary Speaker and Chairman for some sessions. I am trainer and faculty member in Flash Wave Technology in Oman and Iraq. I had published some papers in Iraq, Oman, and republic of Poland, I presented paper in last ESKA meeting in London, right now am interested doing some research and work in some papers, in addition to my practice as an Orthopedic doctor.

14th International Conference on Osteoporosis, Arthritis and Musculoskeletal Disorders, Dubai, UAE | December 06-07, 2021

Citation: Munaf A Hatem, *The evaluation of Total Knee Replacement implanted with and without navigation system,* Osteoporosis 2021, 14th International Conference on Osteoporosis, Arthritis and Musculoskeletal Disorders, Dubai, UAE, December 06-07, 2021