Orthopedics & Rheumatology-2013
OMICS Group Conferences
Accelerating Scientific Discovery
2nd International Conference and Exhibition on
Orthopedics & Rheumatology
August 19-21, 2013 Embassy Suites Las Vegas, USA

Large-diameter head metal-on-metal total hip arthroplasty using a modified Watson-Jones approach and novel reduction technique

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Abstract

From 2006 to 2010, we performed 101 large-diameter head metal-on-metal total hip arthroplasty (THA) surgeries on 84 patients using an in-situ head-neck assembly technique through a modified Watson-Jones approach. The in-situ head-neck assembly technique avoided impingement of the prosthetic components and facilitated reduction of the THA. With a mean follow-up of 4.1 years (range, 2–5.7 years), clinical success was achieved in all hips. The Harris Hip Score improved from 52 points to 98 points. There were 5 outliers with respect to acetabular component inclination and 13 cases of inadequate cup seating. However, despite these unsatisfactory implantations, all these prostheses remained stable up until the most recent follow-up. Large-diameter head metal-on-metal THA performed using a modified Watson- Jones approach is highly successful. We recommend the use of this head-neck assembly technique for performing minimally invasive large-diameter head THA.

Biography

Dr. Chih-Chien Hu is specialized in joint reconstruction and serves as lecturer of the institute. He finished his clinical fellowship training in Chang Gung Memorial Hospital and Dorr Institute. He has published several peer-reviewed articles in the field of joint reconstruction including Journal of Arthroplasty.