

6th International Conference and Exhibition on

ANESTHESIA AND SURGERY

September 07-09, 2017 | London, UK



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Treatment of acetabular bone loss with associated pelvic discontinuity in revision total hip arthroplasty: Acetabular distraction technique

As the number of primary total hip arthroplasty (THA) procedures performed continues to rise, the burden of revision THA procedures is also expected to increase. With patients undergoing THA at younger ages and living longer, revision patients are presenting with greater bone loss at the time of revision surgery. The proper evaluation and treatment of acetabular bone loss at the time of revision surgery is complex and is further complicated in the face of a chronic pelvic discontinuity. Identifying proper pre-operative patient assessment in conjunction with detailed pre-operative planning is essential for obtaining favorable clinical results. Appropriate radiographs are critical in assessing acetabular bone loss, and specific classification schemes can identify bone loss patterns and guide available treatment options. The presentation reviews the surgical decision making and clinical results of different surgical options for the treatment of acetabular bone loss, and introduces a novel technique for the treatment of a chronic pelvic discontinuity.

Biography

Neil Sheth is an Assistant Professor of Orthopaedic Surgery at University of Pennsylvania. He is also the Pennsylvania Hospital Site Director for the adult reconstruction hip and knee fellowship. He obtained his Under-graduate degree in Biomedical Engineering with a minor in Finance at University of Pennsylvania. He then spent two years on Wall Street as a Financial Analyst at Solomon Smith Barney's Healthcare Investment banking division prior to attending medical school at Albany Medical College. Following medical school, he completed six year Orthopaedic Surgery Residency at Hospital of the University of Pennsylvania. Following residency, he completed an adult hip and knee reconstruction fellowship at Rush University as well as a three-month mini-fellowship at the Endo Klinik in Hamburg, Germany focusing on peri-prosthetic infection. He is currently leading a team to build an orthopedic center of excellence in Moshi, Tanzania.

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