

## Joint Event

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# OSTEOPOROSIS, ARTHRITIS & MUSCULOSKELETAL DISORDERS &

# 10<sup>th</sup> INTERNATIONAL CONFERENCE ON ARTHROPLASTY

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### The treatment of severe acetabular bone loss with associated pelvic discontinuity in revision total hip arthroplasty: Introduction of a novel 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 will be a complex challenge faced by orthopaedic surgeons. Proper pre-operative patient assessment in conjunction with detailed pre-operative planning is essential for obtaining a good clinical result. 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.

#### Recent Publications:

1. Copley L, Pepe M, Tan V, Dormans J and Sheth N (1999) A comparison of various angles of halo pin insertion in an immature skull model. *SPINE* 24(17):1777-1780.
2. Copley L, Pepe M, Dormans J, Gabriel J, Sheth N and Asada N (1998) A comparative evaluation of halo pin designs in an immature skull model. *Clin Orthop*, 357:212-218.
3. Peters L E, Sheth N, Bostrom M, Pellicci P M and Sculco T P (2001) Preoperative planning for revision total hip arthroplasty. *Techniques in Orthopaedics* 16(3):202-221.
4. Bottner F, Sheth N, Chimento GF and Sculco TP (2003) Cytokine levels after transfusion of washed wound drainage in total knee arthroplasty: a randomized trial. *Journal of Knee Surgery* 16(2):93-97.

#### Biography

Neil P Sheth is an Assistant Professor of Orthopaedic Surgery at the University of Pennsylvania. He obtained his undergraduate degree in Biomedical Engineering with a minor in Finance at the University of Pennsylvania. Then, he spent two years on Wall Street as a Financial Analyst in Solomon Smith Barney's Healthcare Investment Banking division prior to attending Medical School at the Albany Medical College. Following medical school, he has completed six-year Orthopaedic Surgery Residency at the 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 has now returned to join the faculty at the University of Pennsylvania and focuses his research on acetabular bone loss pertaining to revision total hip arthroplasty, peri-prosthetic infection and the role of orthopaedic surgery in global health.

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