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The treatment of acetabular bone loss with associated pelvic discontinuity in revision of 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 P Sheth is an Assistant Professor of Orthopedic Surgery at University of Pennsylvania. He is also the Pennsylvania Hospital Site Director for the Adult Reconstruction Hip and Knee Fellowship. He has obtained his undergraduate degree in Biomedical Engineering with a minor in Finance at the University of Pennsylvania. He then spent 2 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 a 6 year Orthopedic Surgery Residency at the Hospital of the University of Pennsylvania. Following residency, he has completed an Adult Hip and Knee Reconstruction Fellowship at Rush University as well as a 3-month mini-fellowship at the Endo Klinik in Hamburg, Germany focusing on peri-prosthetic infection. He has returned to join the faculty at the University of Pennsylvania and focuses his research on acetabular bone loss pertaining to revision of total hip arthroplasty, peri-prosthetic infection and the role of orthopedic surgery in global health. He is currently leading a team to build an Orthopedic Center of Excellence in Moshi, Tanzania.

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