

Two-stage revision after recurrent chronic hip infection: A case study

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Abstract

Background: Peri-prosthetic joint infection (PJI) is the third leading reason for revision of total hip arthroplasty (THA). Two-stage exchange arthroplasty has become the “gold standard” for treatment of a chronically infected THA. This case demonstrates a classical presentation of a two-stage revision arthroplasty for the treatment of PJI.

Methods & Patients: The patient presented to clinic with blood and purulence draining from a wound on his right hip. He previously had a THA and has had recurrent chronic infection. After evaluation of his blood sample and fluid aspirated from his hip, it was decided that it would be most appropriate to undergo a two-stage exchange arthroplasty.

Management & Outcome: The previous hip implant was removed. The antibiotic cement spacer was placed in without incident.

Discussion: After lab testing shows that the infection has been eradicated, the permanent prosthesis will be implanted. Two-stage revision is just one of the means of treatment for infection. The route of treatment depends on multiple factors that must be considered when managing the patient’s infection.

Biography

Jamal Fitts has completed his BS from the University of Alabama at Birmingham. He is currently pursuing Medicine at Morehouse School of Medicine. He is an Nth Dimension Scholar of American Academy of Orthopedic Surgeons. He presented this poster at the National Medical Association 113th Annual Convention and Scientific Assembly.

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