

Early results of 1000 consecutive, posterior, single-incision minimally invasive surgery total hip arthroplasties.

Swanson TV.

Desert Orthopaedic Center, Las Vegas, Nevada.

One thousand consecutive cementless total hip arthroplasties performed in 759 patients using a posterior, single-incision, minimally invasive surgical approach were followed prospectively for a minimum of 2 years. All surgeries were performed using a tapered, titanium, cementless femoral component and a press-fit, ingrowth acetabular component. Mean patient age was 62.3 years. Mean incision length was 8.8 cm. Harris hip scores improved from 34 preoperatively to 92 postoperatively. Component position was considered acceptable in 95.3% of patients. Six acetabular components failed to osseointegrate, whereas no femoral component was loose. Radiolucencies were limited to the upper femur and were nonprogressive. Complications and component malpositioning were within accepted standards. This consecutive series of minimally invasive total hip arthroplasties shows that satisfactory results can be consistently achieved using this surgical technique.