Direct anterior total hip arthroplasty in supine position using standard OR table: case series, review of complication and reoperation rate during learning curve.

Jürgen LONDERS, MD. - AZMONICA HOSPITALS ANTWERP, BELGIUM

Direct anterior total hip arthroplasty (DA-THR) has gained popularity in the last decades due to multiple advantages: reduced blood loss, muscle sparing, reduced pain, reduced dislocation rate, shorter hospital stay and faster recovery. However, initial studies report an unacceptable high intra-operative complication rate, especially during the learning curve. We believe these complications are related to the positioning on traction devices or orthopaedic table. We reviewed the complications and reoperations in a consecutive series of 356 DA-THR using a supine positioning on a regular OR table, without femoral hyperextension. We conclude that the previously reported high complication rate in DA-THR might be caused by traction devices apart from other earlier reported reasons such as learning curve and the low-volume hip surgeon. We also believe that femoral hyperextension can be omitted without increasing the complication risk.