

**Prof. Dr. med. M. Rudert**  
**Prof. Dr. med. M. Hoberg**

# Groin pressure pain with shortened leg length

A 78-year-old female patient presents with severe pain in the left hip, ongoing since the implantation of a prosthetic hip two years before. The patient's left leg has been shortened by 1.2 cm, resulting in massive groin pressure pain and movement pain in the hip. Psoas impingement test results are clearly positive. Lateralisation of the cup is evident, with a very deeply implanted cemented stem and no change

in implant position since the primary operation. A BioBall System 7.5° Offset 3XL cone adapter is used in cup replacement surgery, allowing leg length correction and rotational centre reconstruction without increasing the lateral offset or replacing the existing stem. Three months after the operation, the patient remains symptom-free. ••



BioBall® Adapter Offset-3XL with BioBall® metal head and BioBall DELTA™ Ceramic head



Before surgery



After surgery



**Prof. Dr. med. Maximilian Rudert**

Medical Director  
Chair in Orthopaedics,  
University of Würzburg,  
König-Ludwig-Haus  
Orthopaedic Hospital



**Prof. Dr. med. Maik Hoberg**

Managing  
Senior Physician, Senior Physician for  
Endoprosthetics, König-Ludwig-Haus  
Orthopaedic Hospital