
KOREKTIVNE OSTEOTOMIJE U DJETINJSTVU SU RIZIČNI FAKTOR ZA KOMPLIKACIJE TIJEKOM UGRADNJE TEP KOD DISPLASTIČNIH KUKOVA

CORRECTIVE OSTEOTOMIES IN CHILDHOOD ARE A RISK FACTOR FOR COMPLICATIONS DURING THA IN HIP DYSPLASIA

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Uvod

THA is named the operation of the 20th century. Those excellent results were not achieved in hip dysplasia patients because of the anatomic anomalies and previous operations in childhood.

Cilj

The aim of this work is to show results and complications during THA (total hip arthroplasty) in treatment of hip dysplasia patients.

Metode i ispitanici

Retrospective analysis of 183 THA in 161 patients (mean 49.2 years of age, range 19-80, F:162, M:21) from 2009 to 2016 was conducted. Minimal follow up was 3 years. Eighty six THA were done on a priorly operated hips in childhood and ninety seven hips were not operated in childhood.

Rezultati

All THA were performed using uncemented femoral and acetabular components. All acetabular components were made of trabecular titan. The non-operated group had a mean Oxford hip score of 43.12 and did slightly better than the group that had an operation in the childhood with the

Oxford hip score of 39.17. Among 15 non-satisfactory results there were 4 dislocations, 6 aseptic loosening of the femoral component, one femoral periprosthetic fracture, one aseptic loosening of the acetabular component, 1 peroneal palsy and 2 early polyethylene exchanges due to the increased wear. Eleven complications occurred in the patients that were operated before in the childhood. All 6 aseptic loosening of the femoral component were seen in the patients that had femoral osteotomy done in the childhood. Acetabular component loosening occurred because of the initial malposition, thus requiring early revision after just 6 months.

Rasprava/zaključak

Uncemented acetabular components made of trabecular titan showed excellent short term survival. Although functional result is similar in both groups, corrective osteotomies in childhood are a risk factor for complications during THA.

Ključne riječi: THA, hip dysplasia, complications, cementless fixation