

UNIQUE® - svenska erfarenheter av en skraddarsydd höftprotes

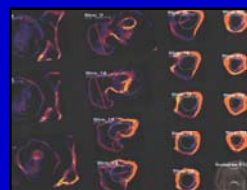
Krister Djerf och Bengt Horn af Åminne, Motala, Ingemar Ivarsson, Linköping, Urban Rydholm, Lund, Jonas Thanner och Bertil Romanus, Sahlgrenska, André Stark och Richard Wallensten, Karolinska Solna

Vid kraftigt avvikande anatomi i proximala femur krävs individuellt anpassad femurkomponent

Många unga patienter har en grundsjukdom som deformerar proximala femur.



I Norge finns SCP as, ett företag som baserat på datortomografi tillverkar en för individen anpassad femurprotes för ocementerad fixation. Den kan kombineras med valfri acetabularcup.



I samarbete med firman bestämmer man baserat på datortomografin alla parametrar för femurdelen och den valda acetabularkomponenten.



Två instrument medföljer proteserna: resektionsmall och femurrasp

Totalt har 1009 patienter opererats i 7 länder sedan 1995.

I Sverige har 22 patienter fått 26 proteser insatta på 5 kliniker under åren 2004 – 2007.

7 män och 15 kvinnor. Medelålder 29 år (11 – 72).

7 Reumatoid artrit

10 Artros sekundär till CHD

2 " " " Perthes

1 " " " artrogryfos

1 Avaskulär osteonekros

1 Primär artros

Inga per- eller postoperativa komplikationer har ännu inträffat



Osteotomi post Perthes

CDH



Artrogryphos

Vi diskuterar gärna potentiella kandidater för denna protes. Kontakta Lund, Linköping, Motala, Sahlgrenska eller Karolinska I Solna.

ABSTRACT SWEDISH ORTHOPAEDIC SOCIETY'S ANNUAL MEETING, 2007

THE SCP UNIQUE HIP PROSTHESIS - SWEDISH EXPERIENCE WITH A CUSTOM MADE IMPLANT

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Introduction: Total hip arthroplasty sometimes requires custom made implant when the patient's anatomy is so abnormal that standard components don't fit. With cement fixation it is often possible to overcome skeletal abnormalities but if non-cemented fixation is preferable there may be need for an individually designed femoral component. Examples of such structural problems are femoral deformities in arthrosis secondary to childhood hip disease, post osteotomy and juvenile rheumatoid arthritis. This presentation report the initial Swedish experience with the Norwegian custom made femoral hip prosthesis SCP Unique.

Patients and Methods: The SCP prosthesis is manufactured after a CT of the hip. The manufacturer sends a proposal for the design after the surgeon has specified how the prosthesis should be placed in the hip and with what acetabular component. When the surgeon has sized and placed the component on the drawing of the hip the implant is manufactured. Between 2004 and 2007 24 femoral components were implanted in 22 patients in five different hospitals. The patients were 15 women and 6 men between the ages of 11 and 72 with 15 between 20 and 40 years of age. The diagnoses were rheumatoid arthritis 10, CHD 8 and various others 6.

Results: All implants could be inserted at surgery. The prosthesis was so accurate that a tight fit in the femur was achieved. There have been no complications related to the implant so far.

Discussion: We present the very early Swedish experience of a non-cemented customized femoral component for total hip replacement. Although nothing can be said about the long term results the initial results regarding how difficult anatomical problems can be solved with a custom made prosthesis are good. Examples of such problems will be presented with the purpose of informing the colleagues of where they can refer patients who are candidates for a customized femoral hip prosthesis.