

COXA

# *Trabecular Metal® in hip arthroplasty?*

JORMA PAJAMÄKI



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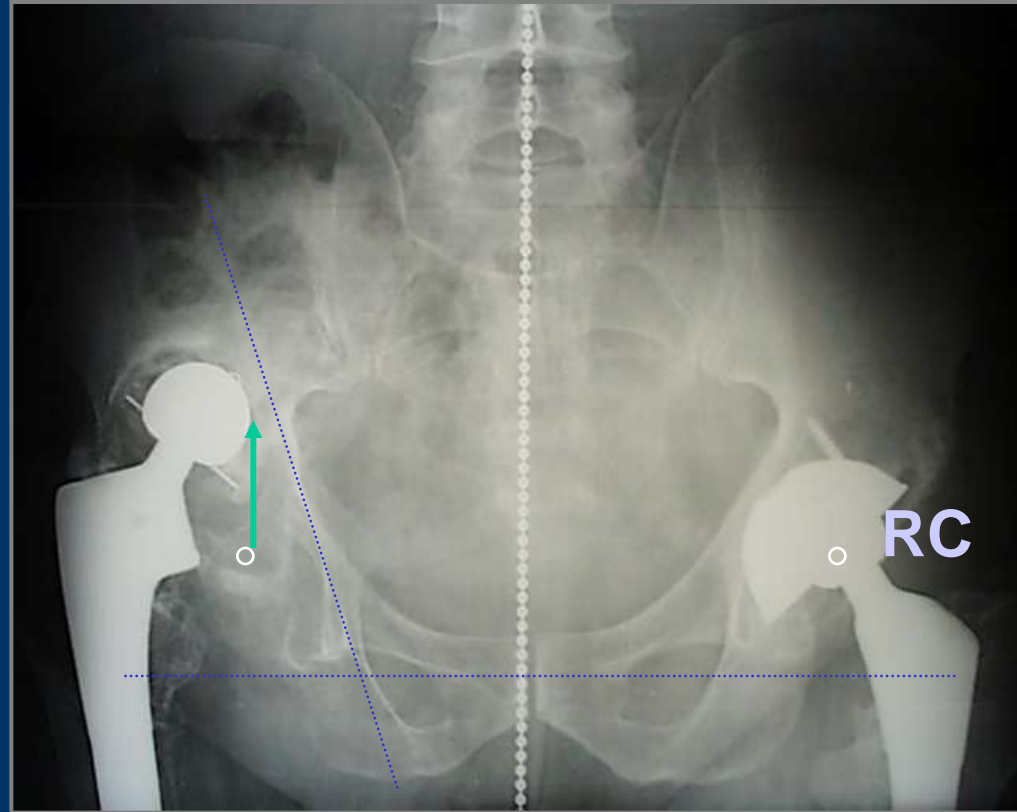
ARKKITEHTISTUDIO KUJALA & MYLLYMAKI OY

***Are principles of hip revision  
changing?***



# *Principles of acetabular reconstruction*

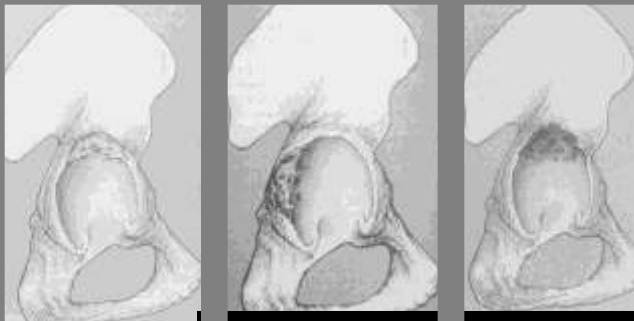
- Restore hip mechanics, center of rotation
- Restore acetabular integrity
- Ensure acetabular component coverage
- Secure rigid graft & prosthesis fixation



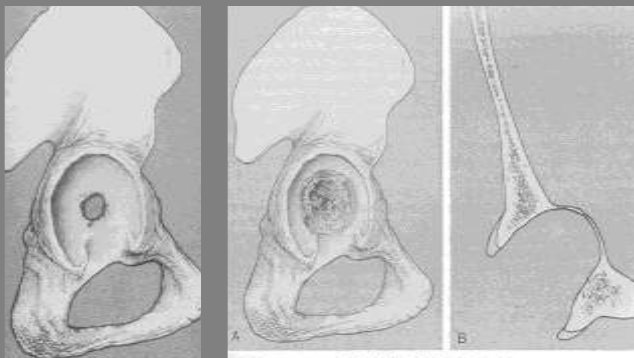
# Acetabular defects

“Ingrowth expectations vs. handling of major bone defects in

Type I

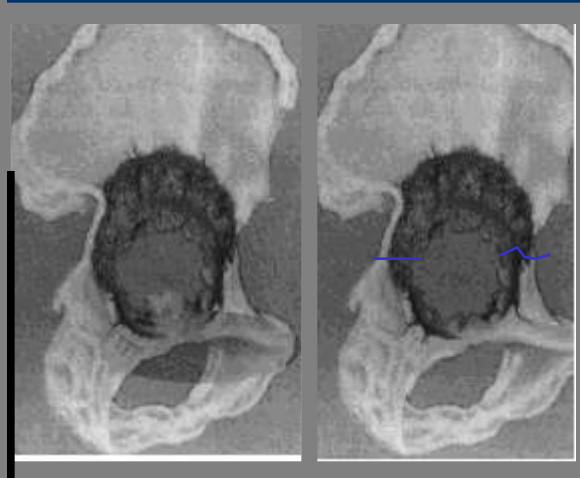


Type II



Type IIIA

Type IIIB/IV



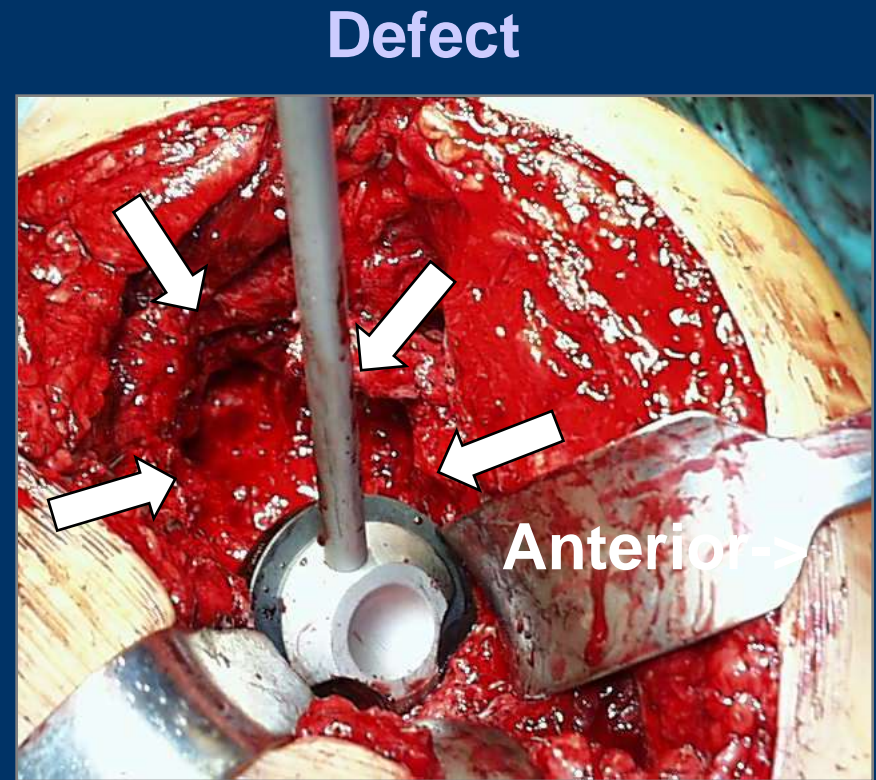
Paprosky CCJR 1999

Paprosky and Magnus: Clin Orthop 298,1994

D'Antonio : Orthop Clin N Am 1992

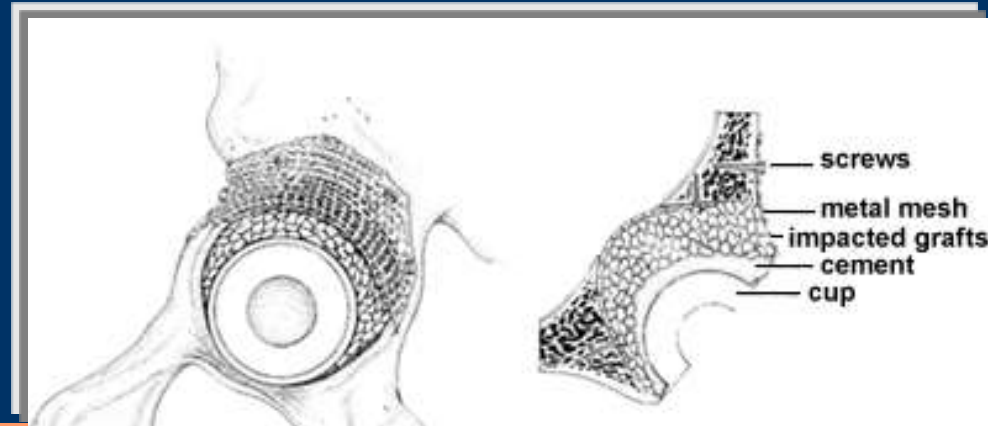
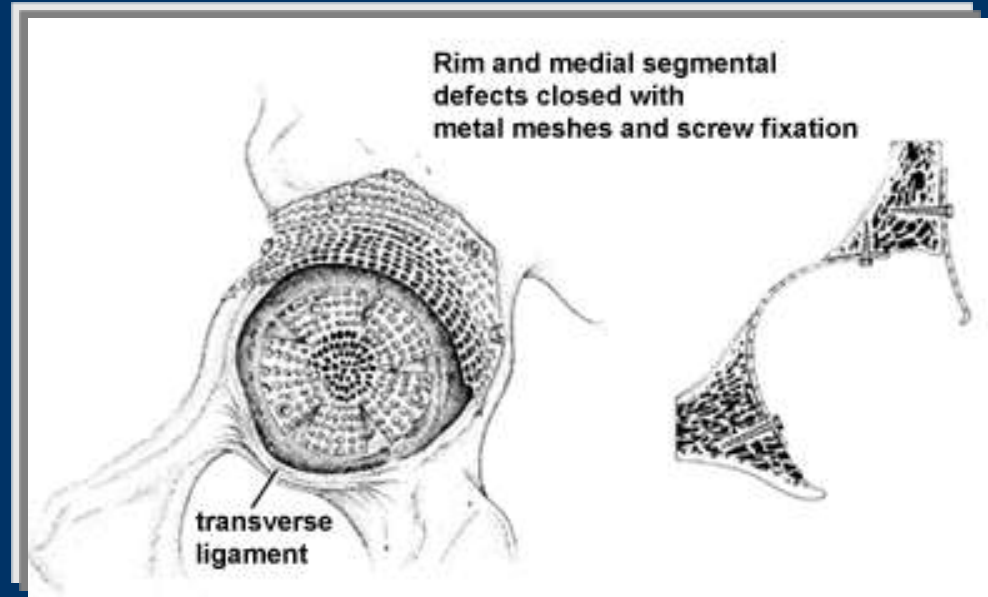
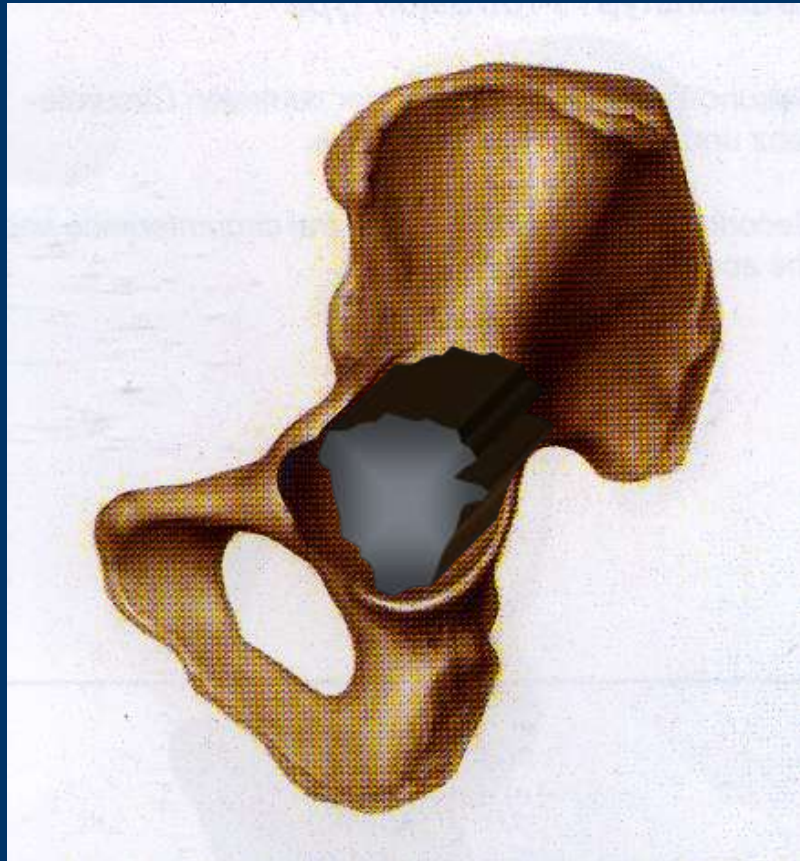
D'Antonio et al: Clin Orthop 243,1989

# Acetabular defect with combination of mesh & reconstruction cup





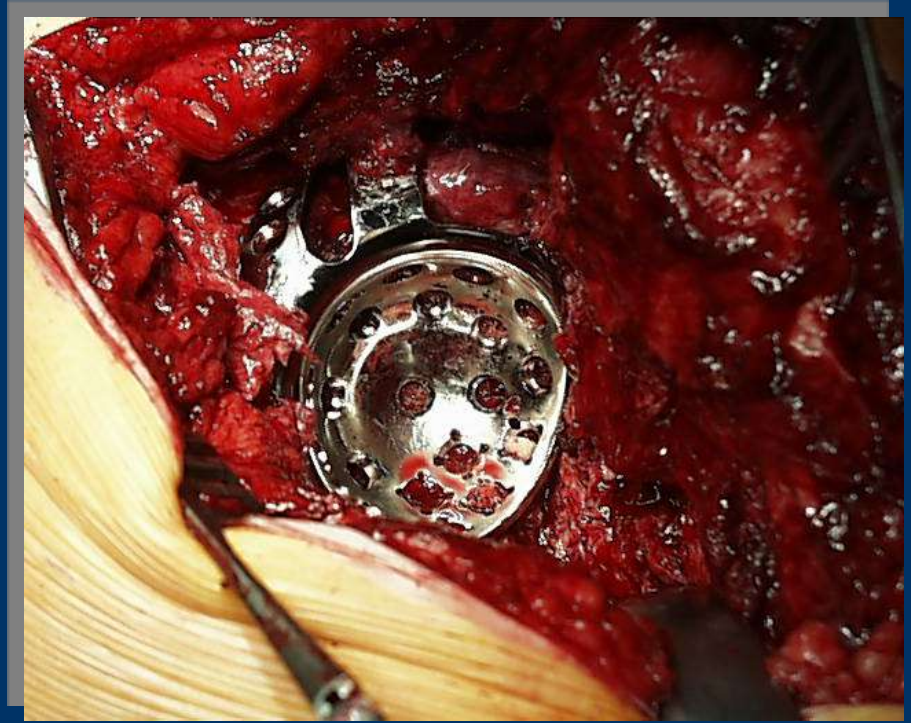
# Reconstruction with metallic mesh & impaction grafting



**Mesh+ impact grafting**

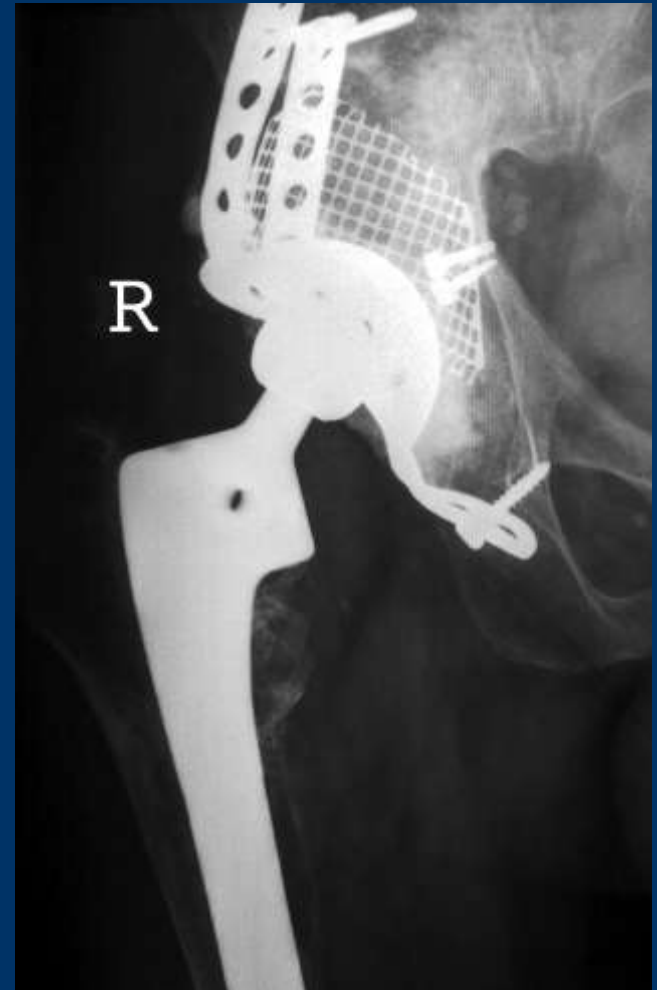
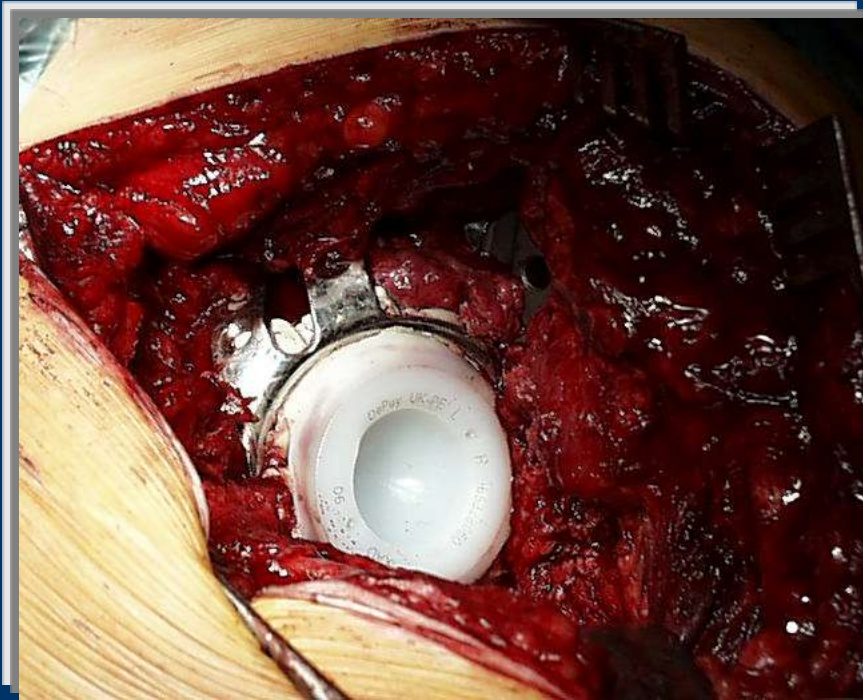


**+Reconstruction cup**



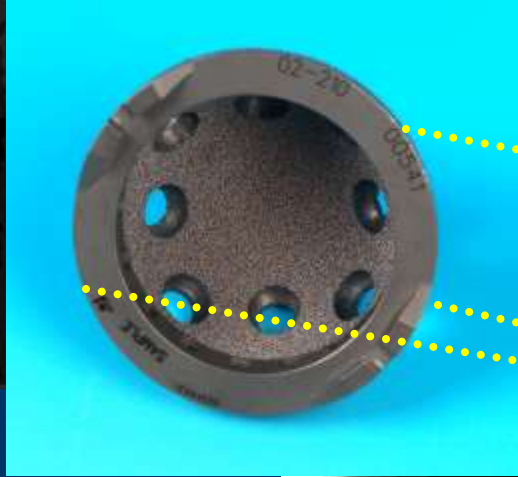
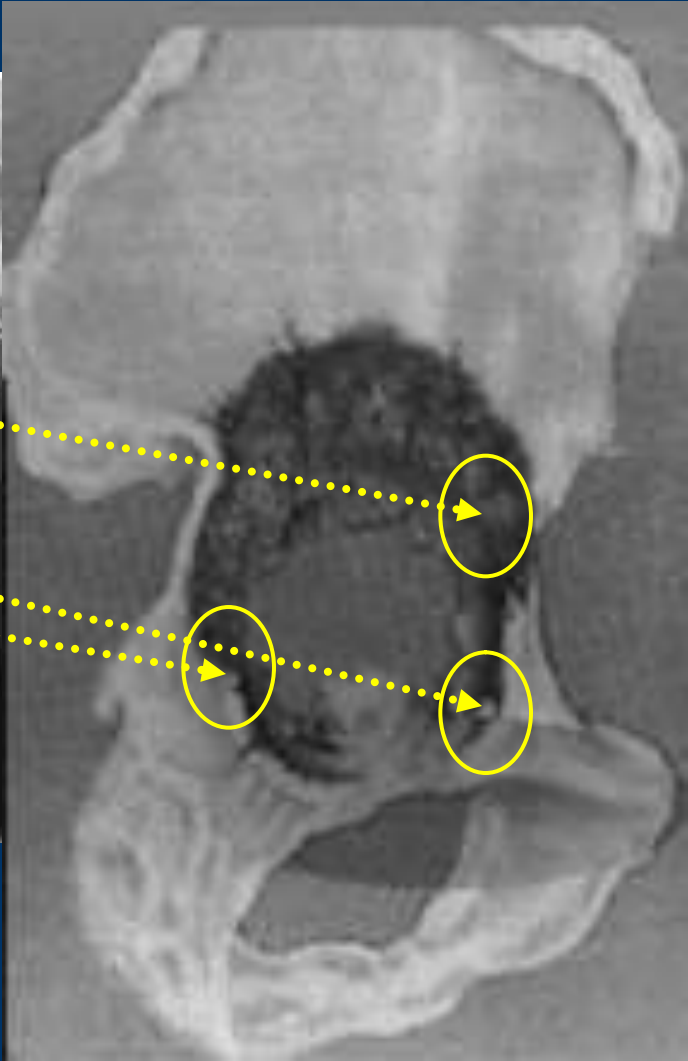


2 months postoperative

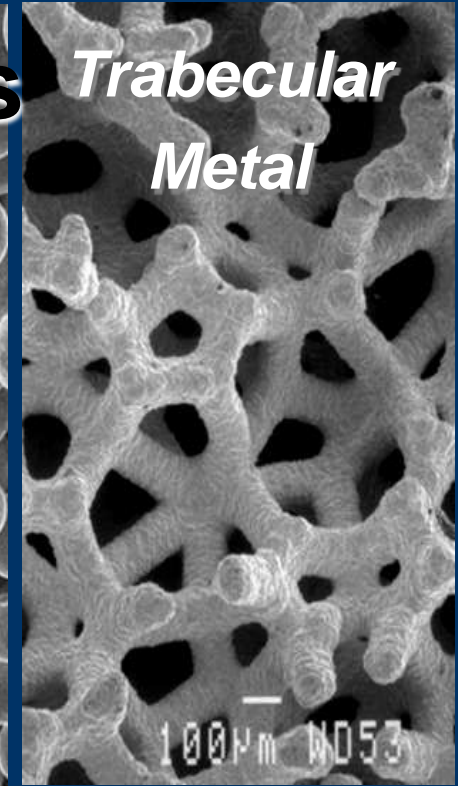
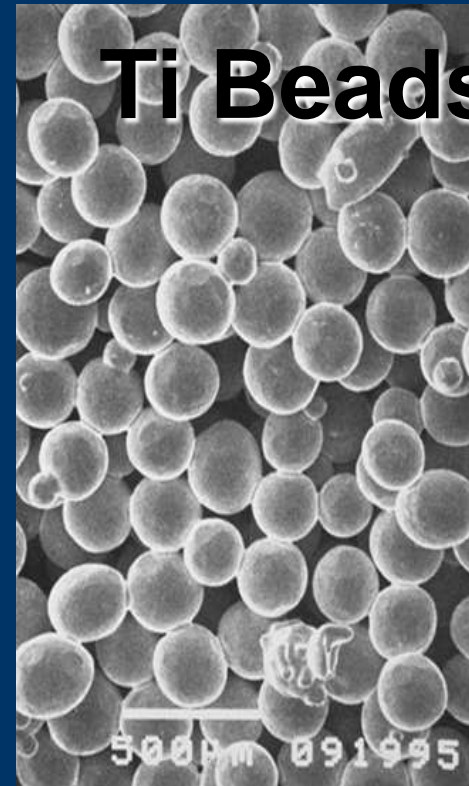




# *Trabecular metal in cup revisions*



# *Trabecular Metal Revision Acetabular Cup*



**30% versus 80% porosity**

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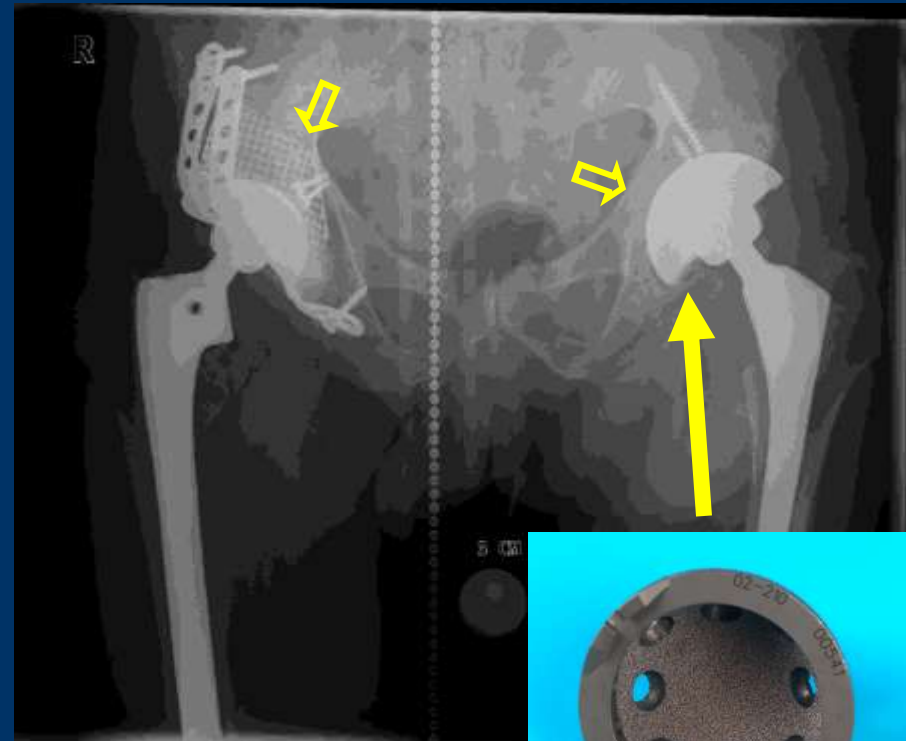
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# *Are the techniques changing...*

7 years right



6 months left



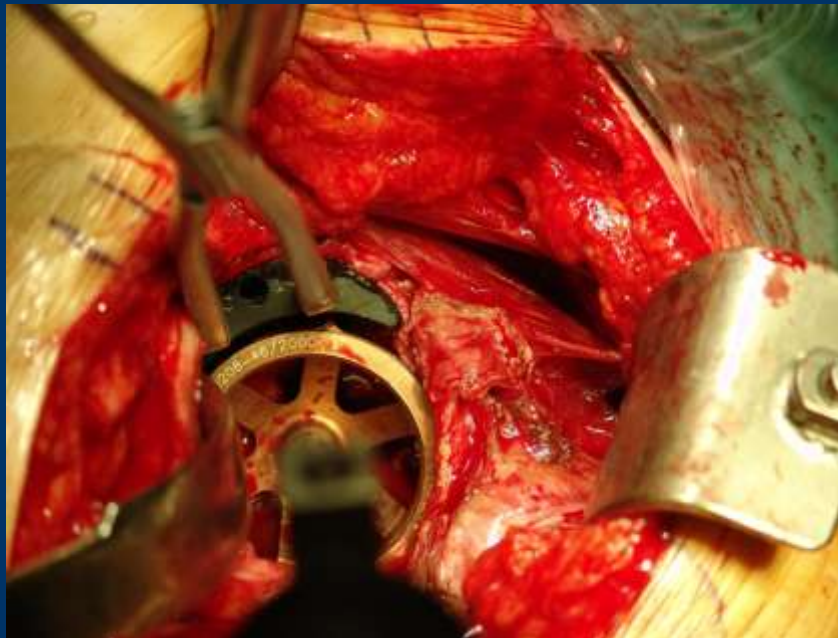
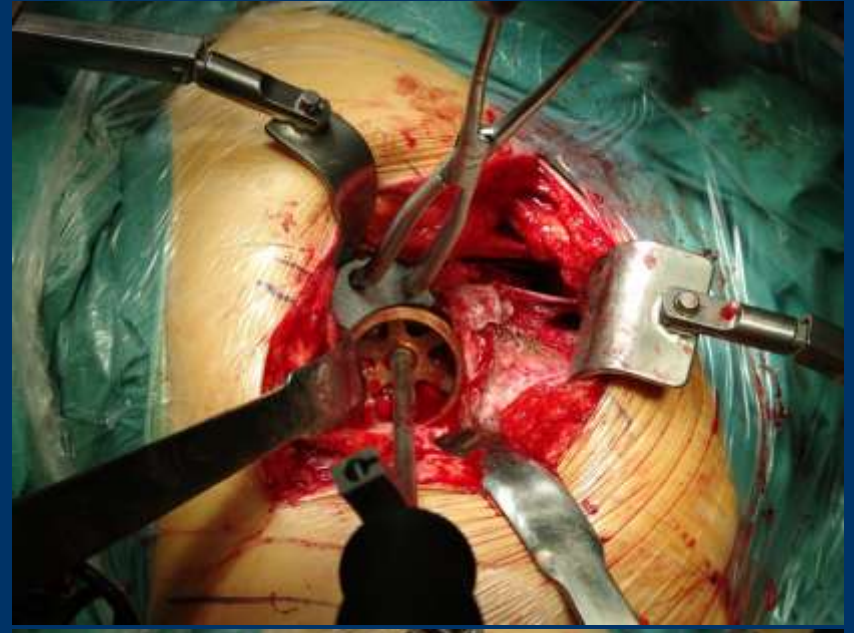
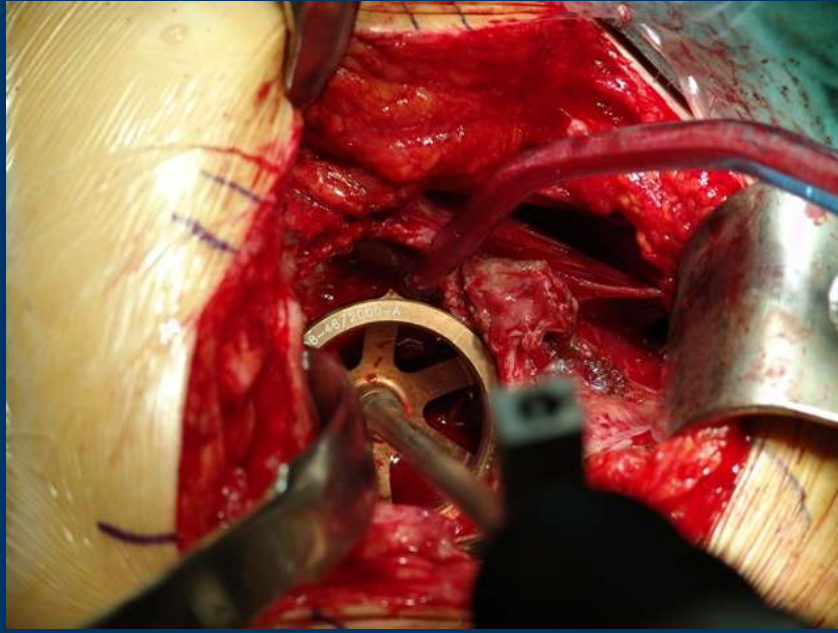
# *TM cup and augments*

- 81 years old lady with Thompson hemiendoprosthesis 6 years

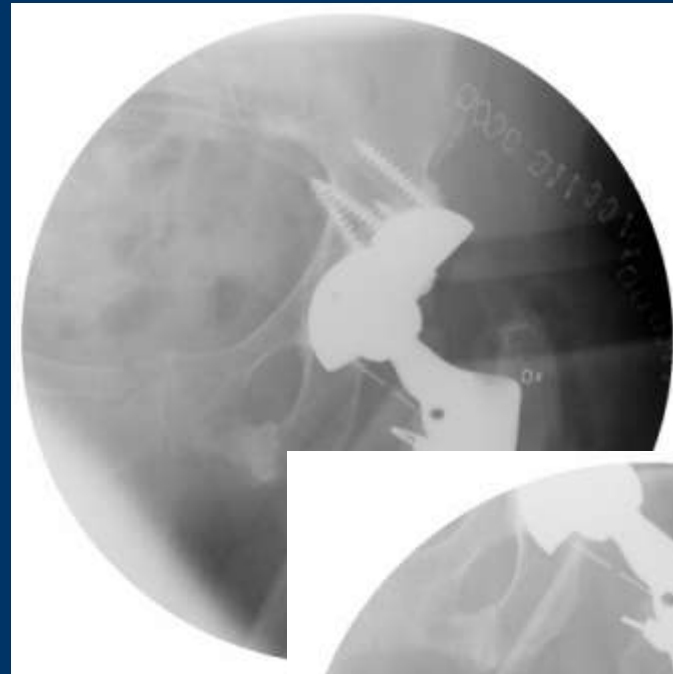
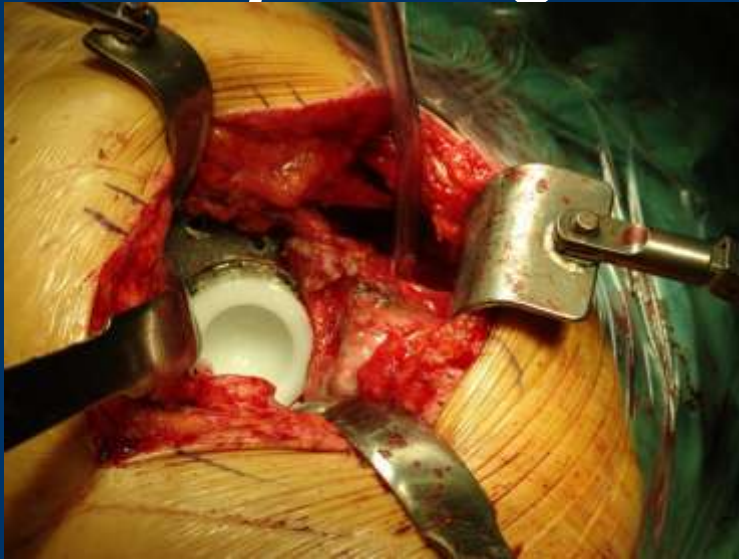




# *TM cup & augments in acetabular revision*



# *TM cup & augments in acetabular revision*

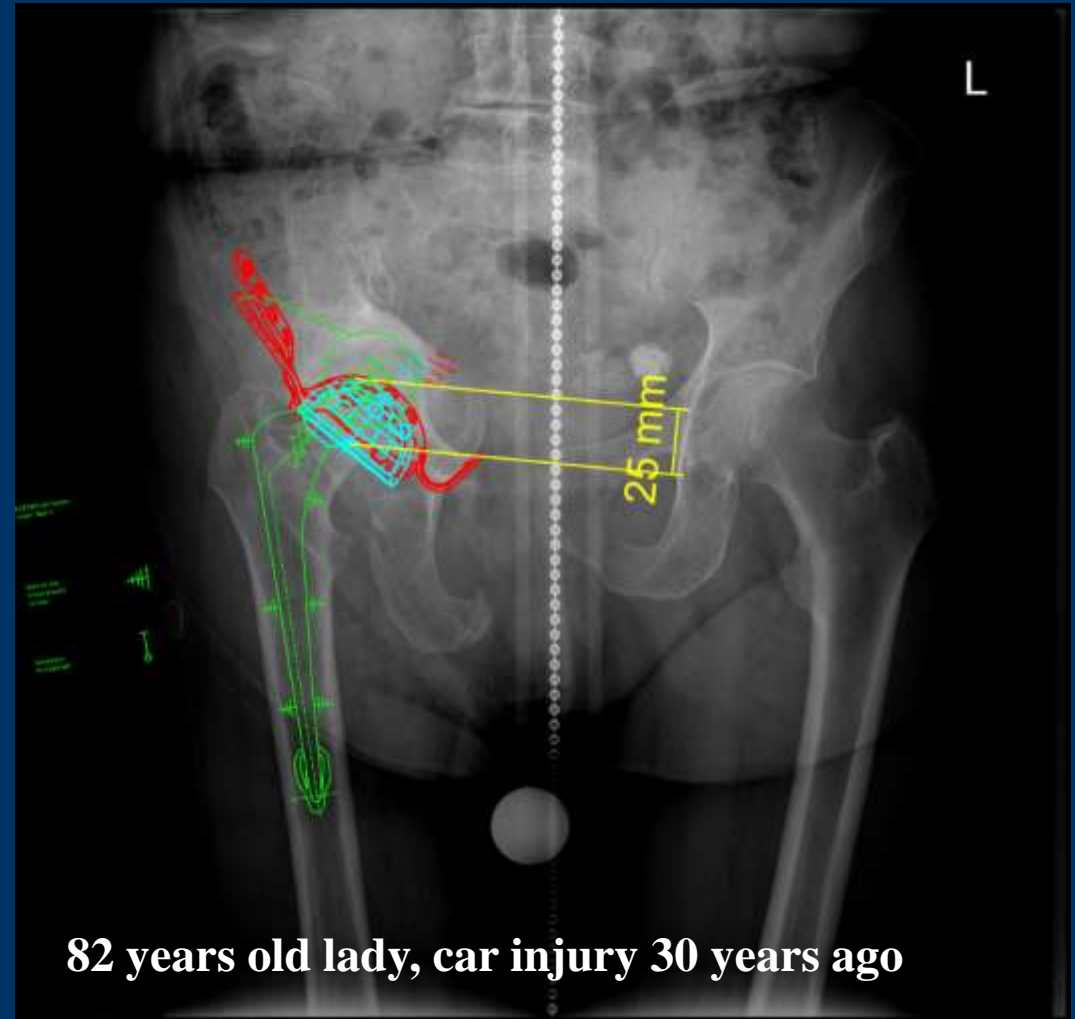


ZMR stem



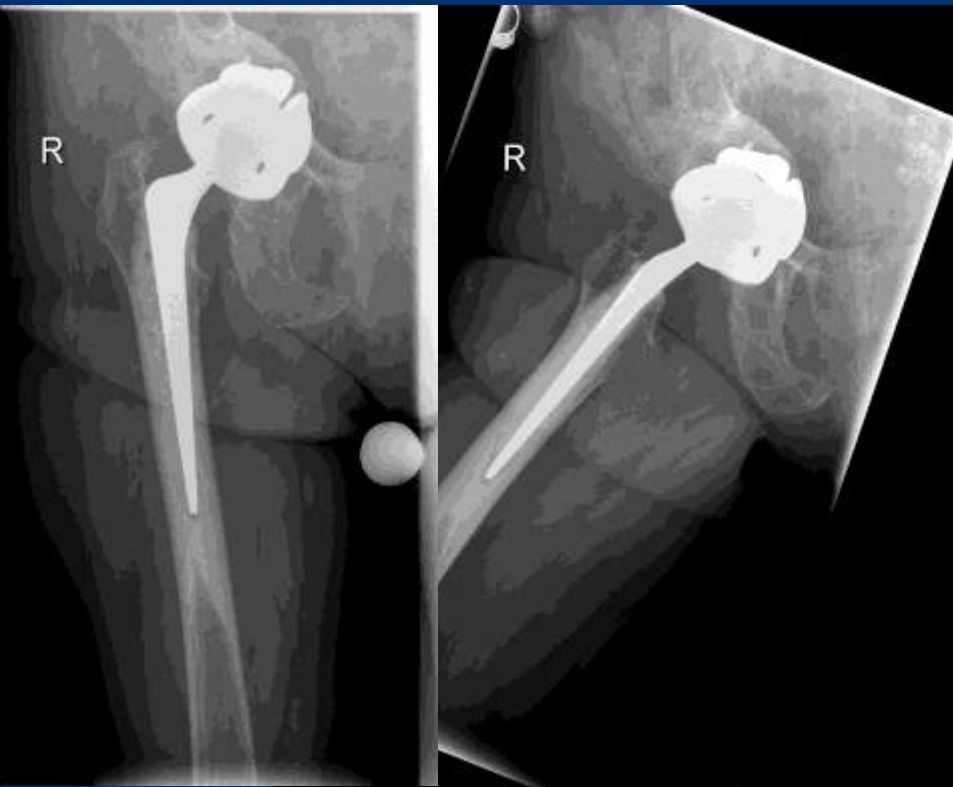


# *TM cup & augments in posttraumatic acetabulum*



82 years old lady, car injury 30 years ago

# *TM cup & augments in posttraumatic acetabulum*



**82 years old lady, 6 months postoperatively**





**Kiitos**

