



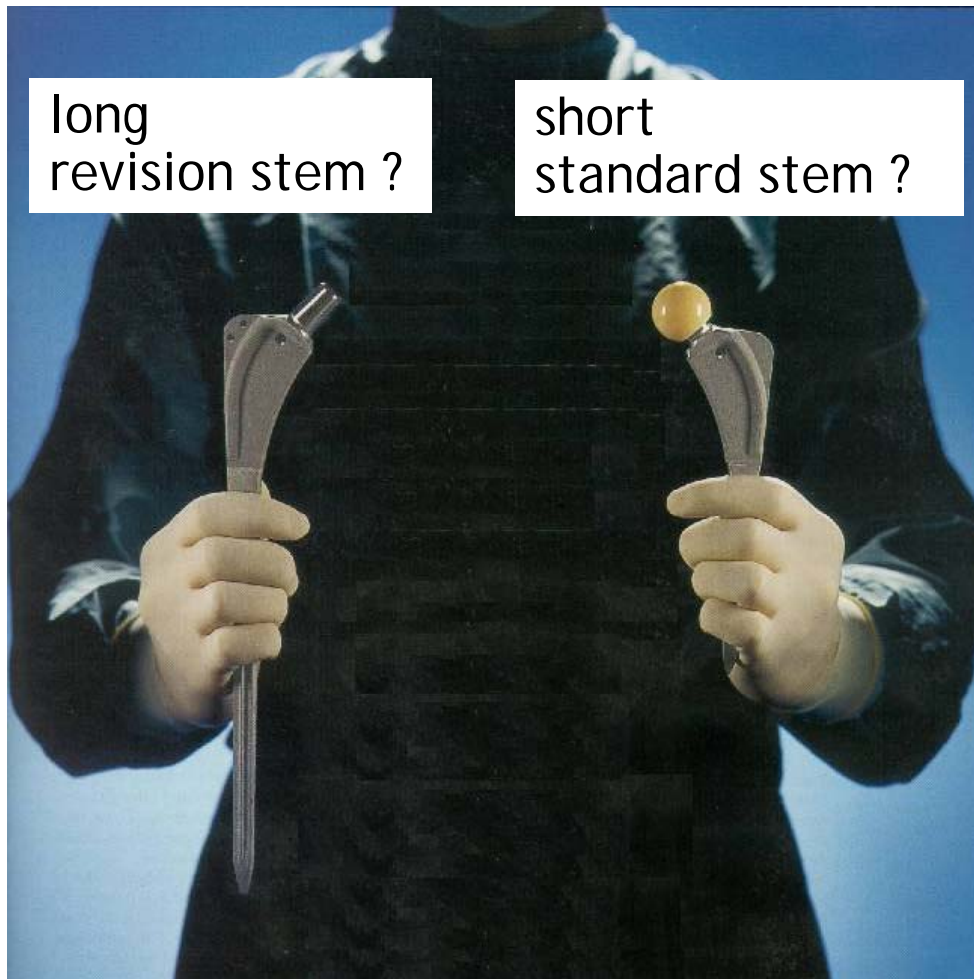
Impaction Grafting and Primary Bicontact Stem as an Option in Hip Revision

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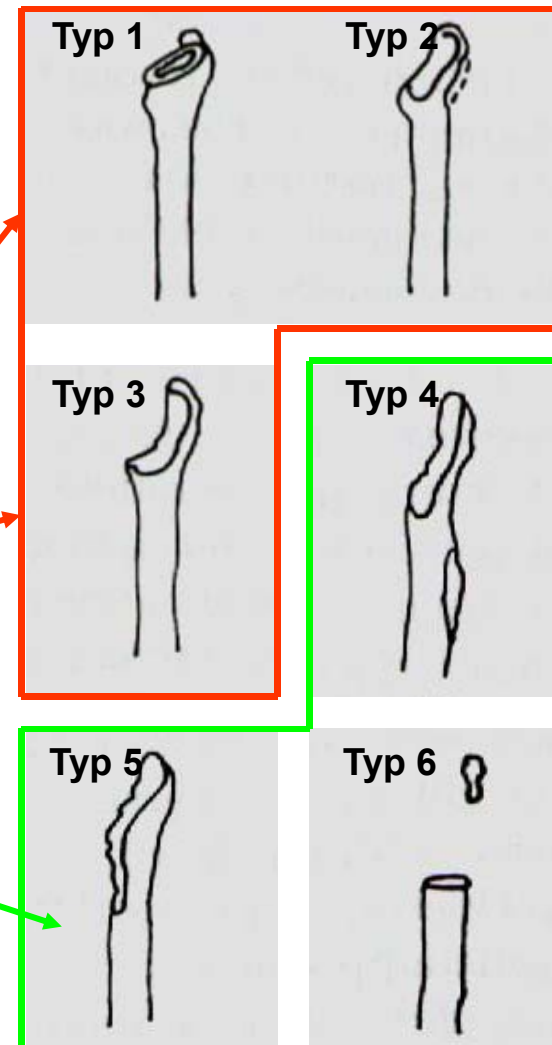
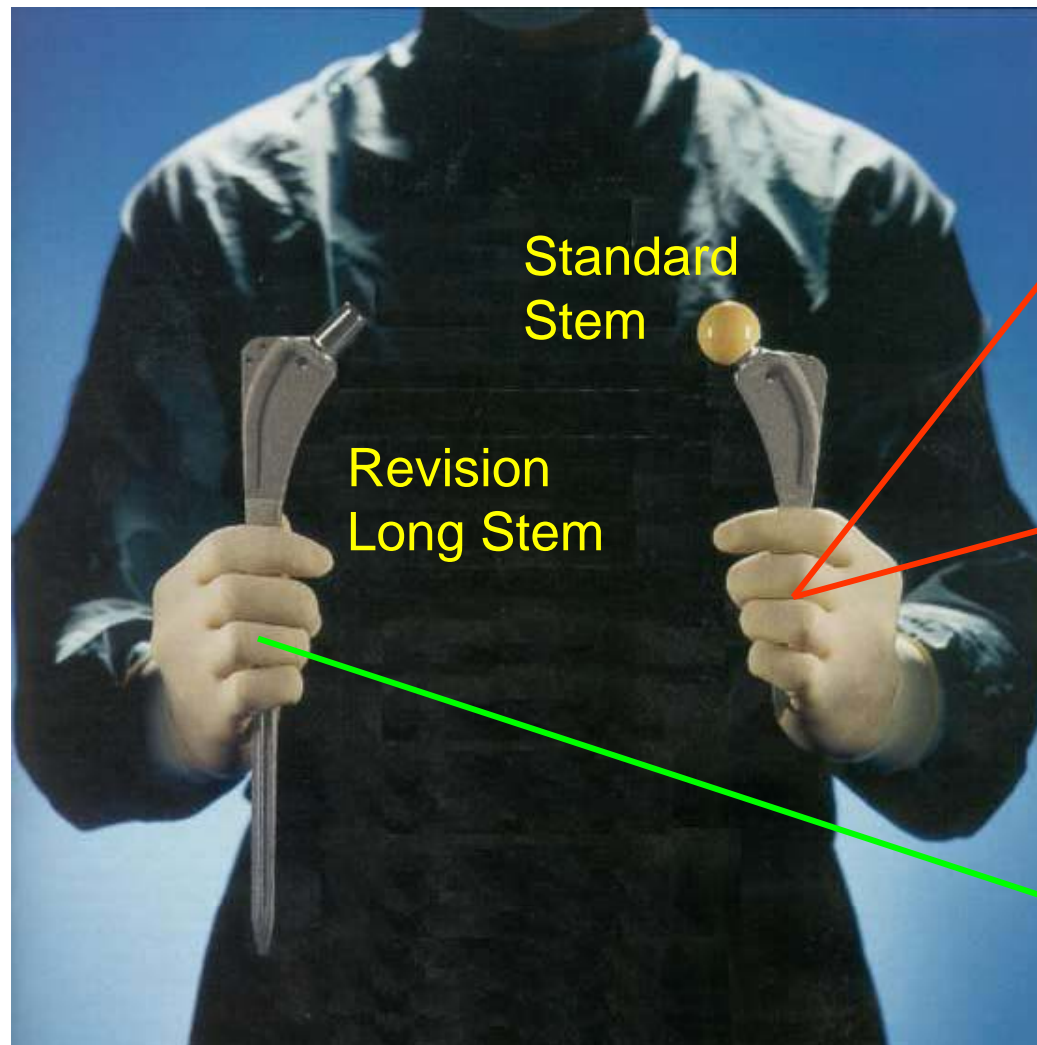


Klinik für
Orthopädie und Unfallchirurgie

Cementless Stem Revision Surgery



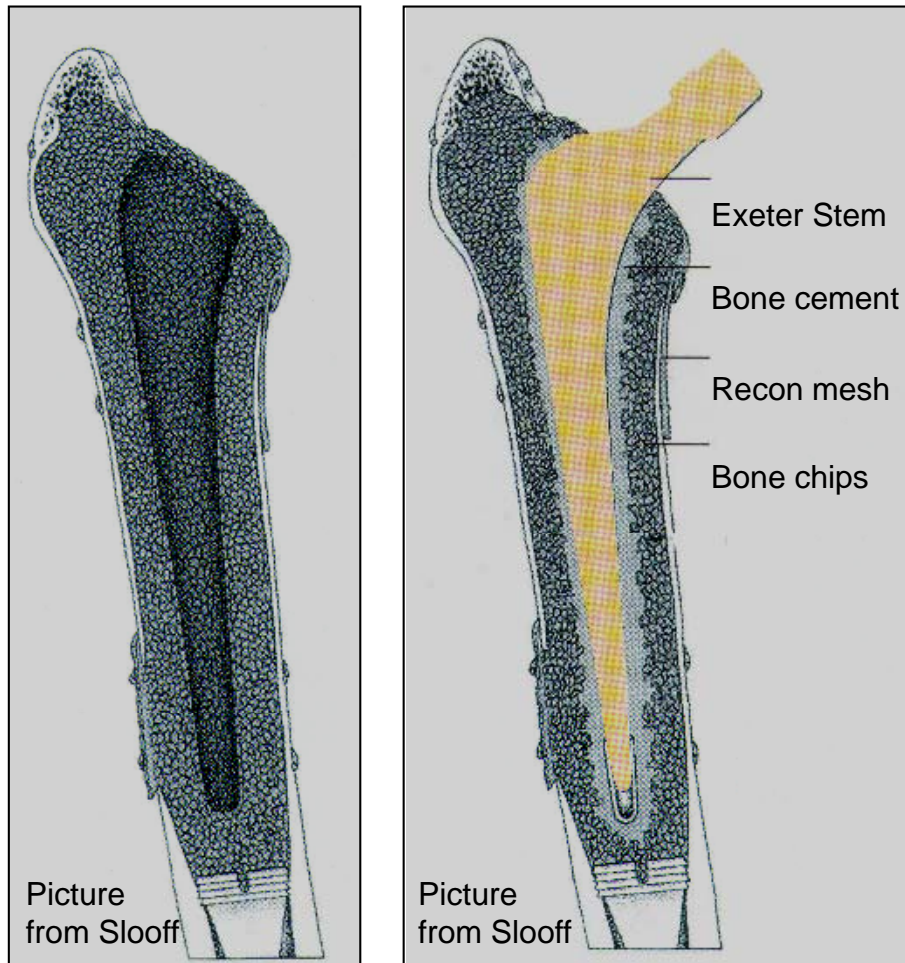
Stem Options for Femoral Revision



Femoral Defects

Type 1-6 acc. to Engelbrecht

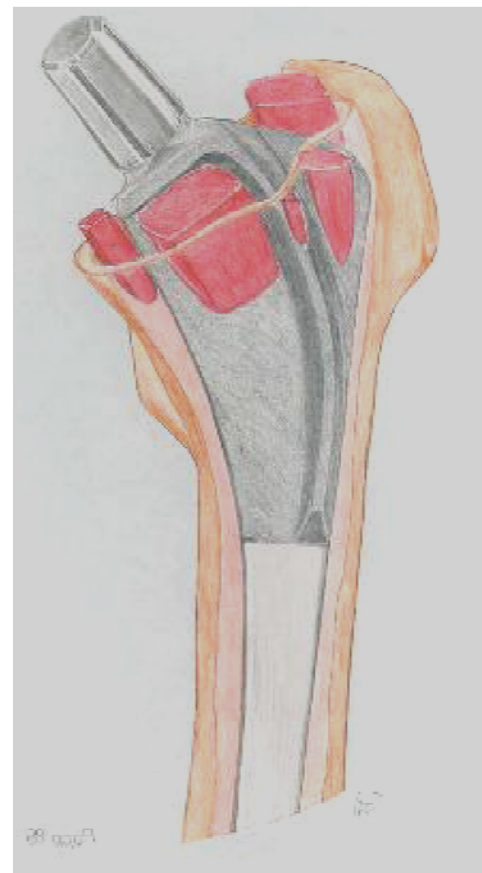
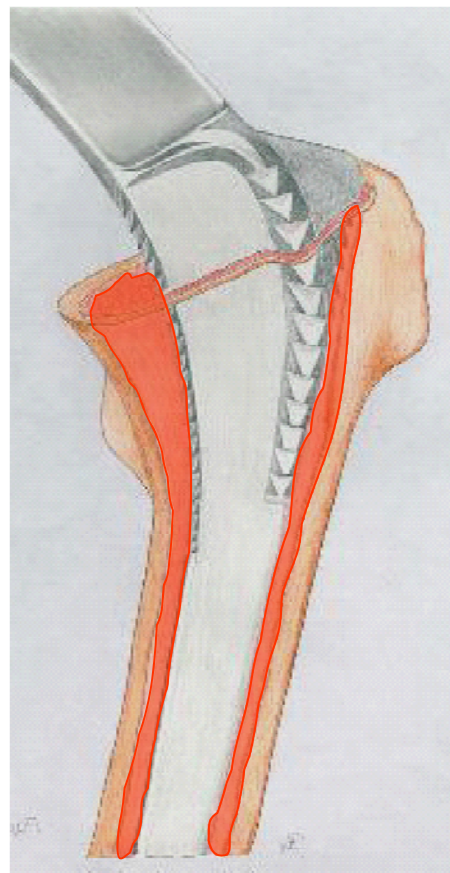
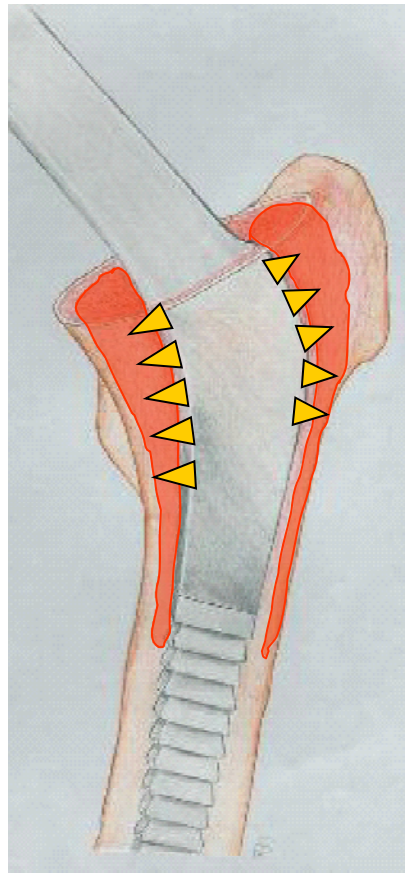
Femoral "Impaction grafting" cemented technique



original technique
Gie & Ling 1986

In revision hip surgery femoral proximal periprosthetic defects can be reconstructed by allogenic bone impaction grafting and cementless standard Bicontact stem.
1987

Femoral "Impaction Grafting" cementless Technique



technique by
Papp
1993

Allograft Preparation Technique



click to start or stop video

Videoclip 2: Surgical Technique

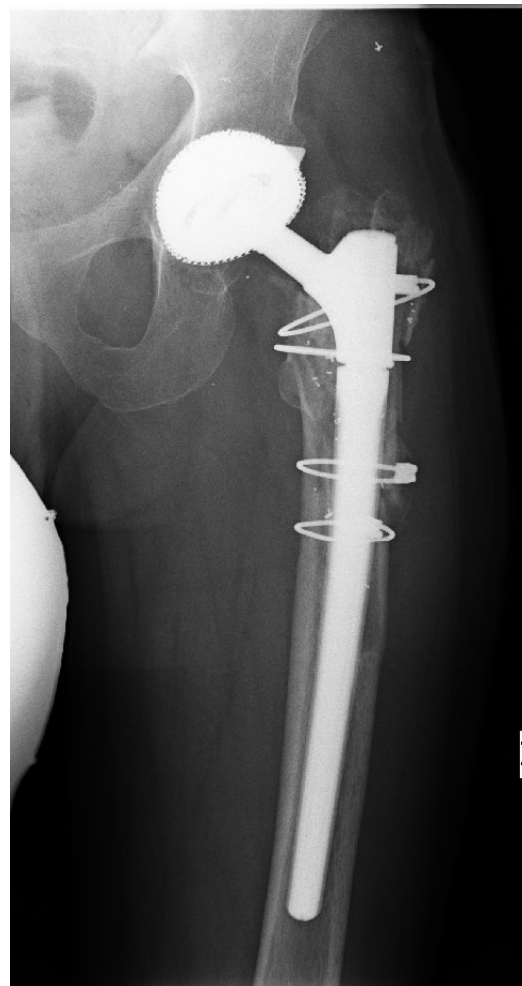


click to start
or stop video

Videoclip 2: Surgical Technique

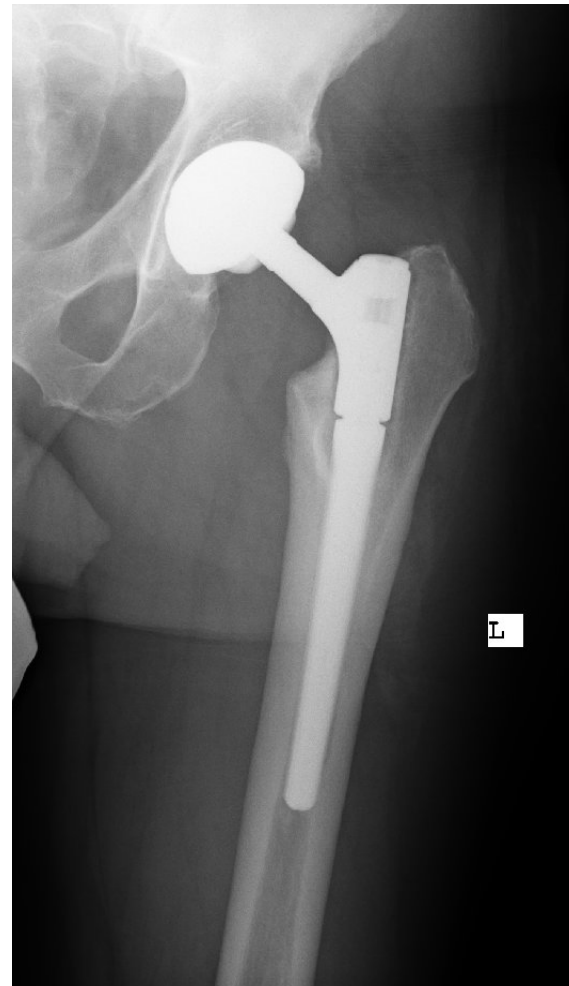
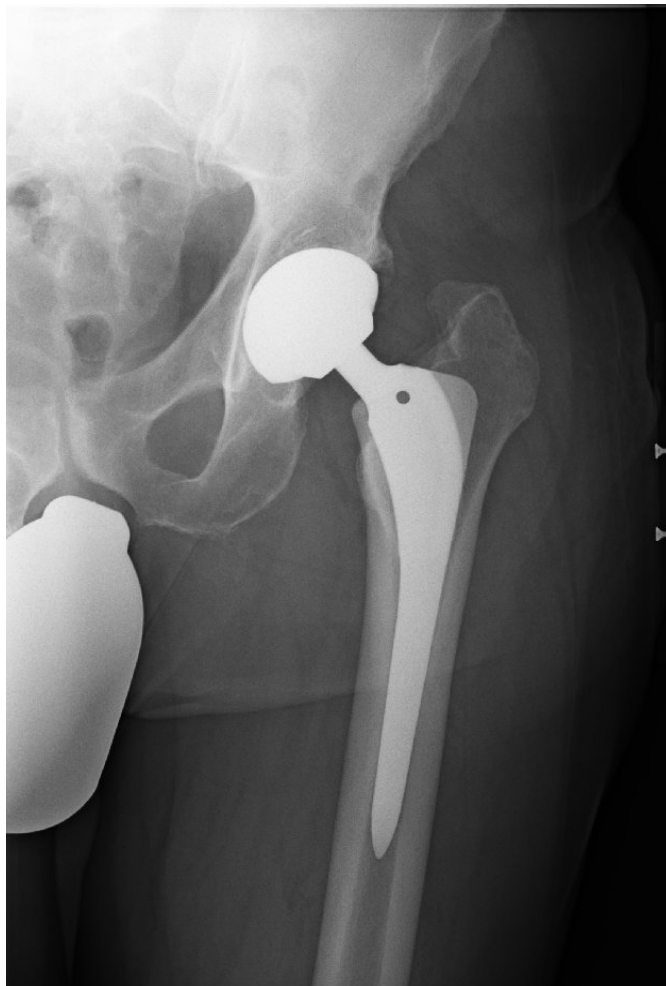


Case: SW 1949 ♂ Stem Selection



2012 post-op

Case: SG 1948 ♂ Stem Selection



2012 post-op

Case JW male 1939 - 48 yrs (1987)



04-1987



04-1988



08-1992



09-1992

Case JW male 1939 - 73 yrs (2012)



09-1993

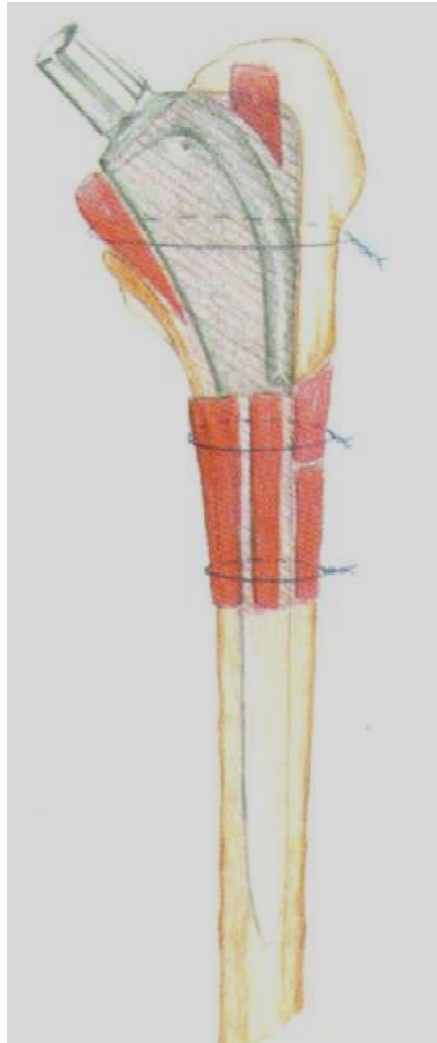


10-1997



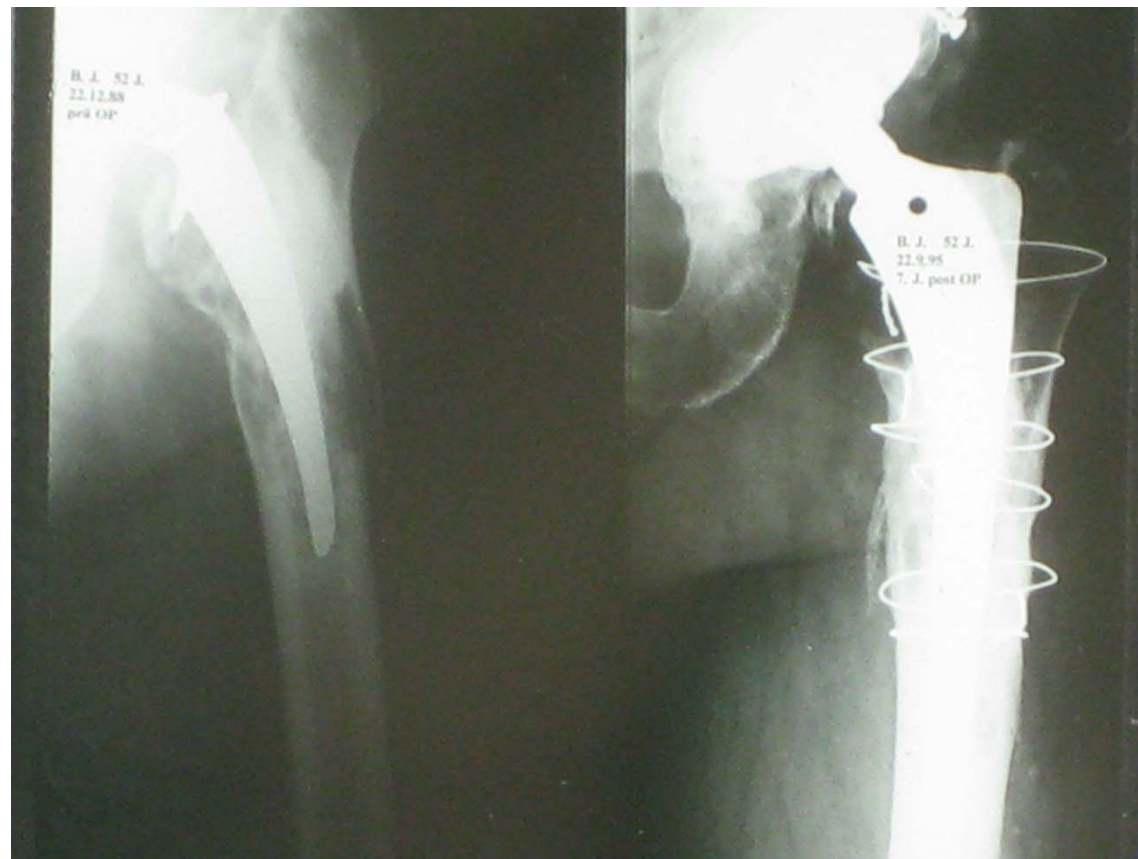
11-2012

Case example long bicontact stem

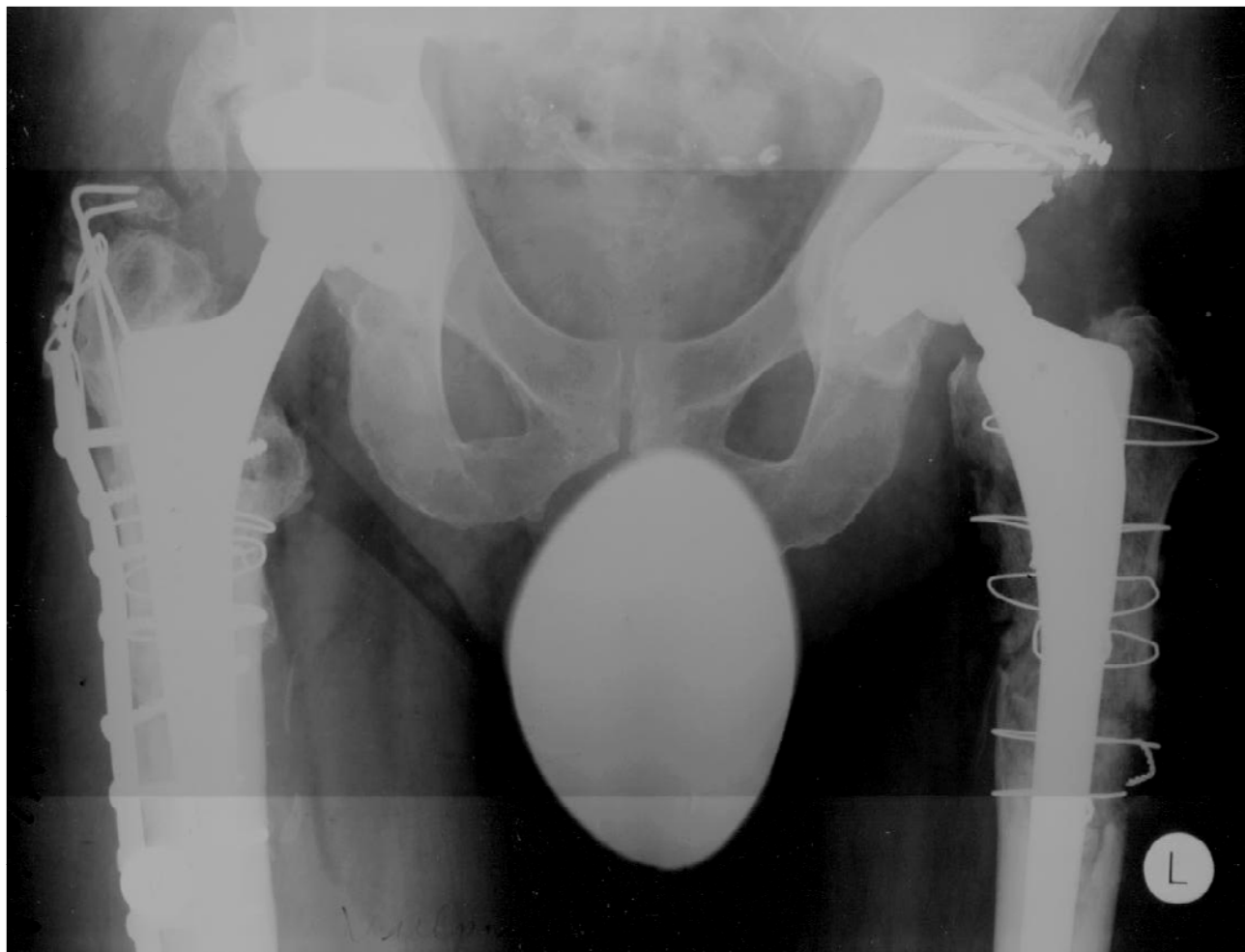




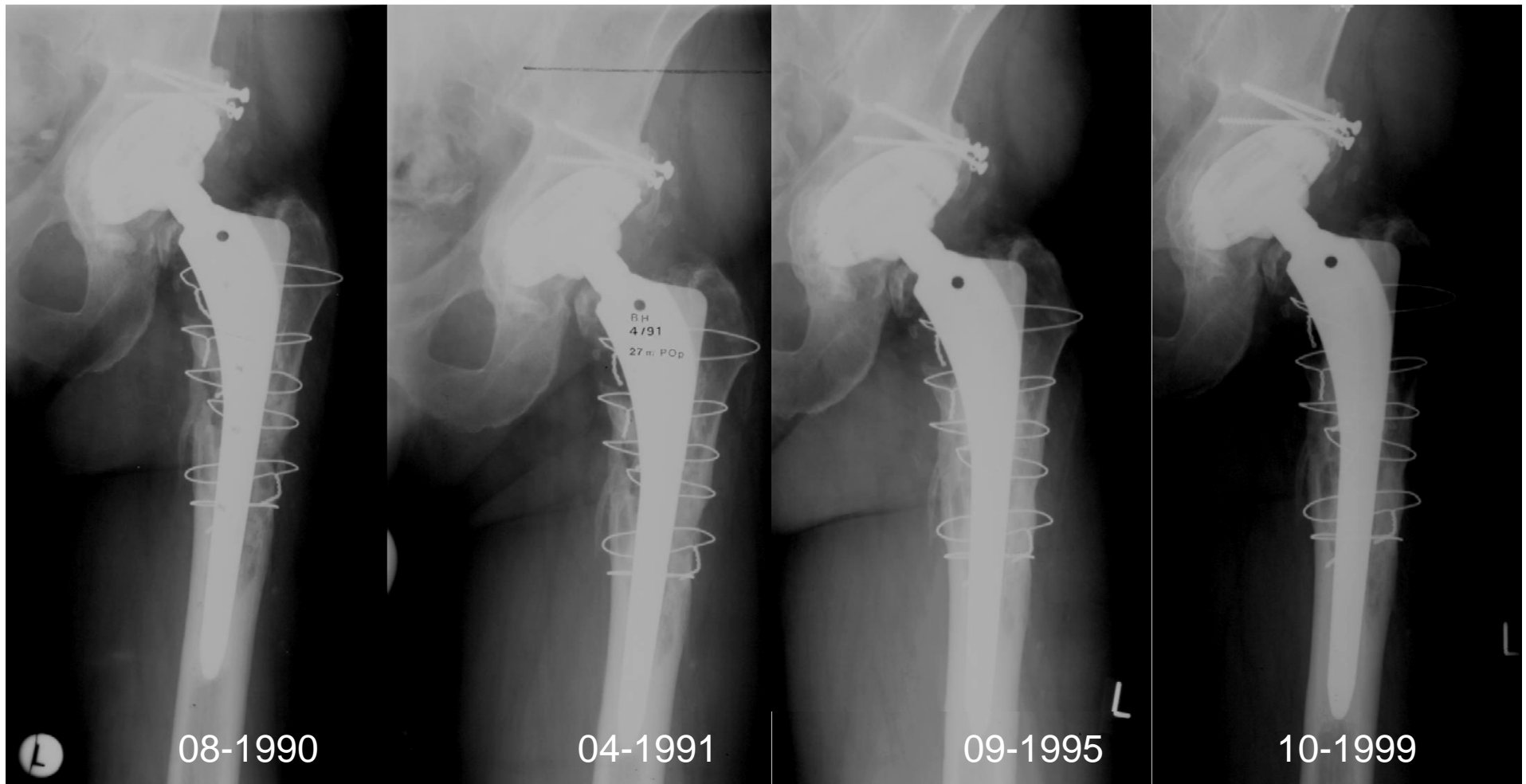
Case BHJ male 46 (1988)



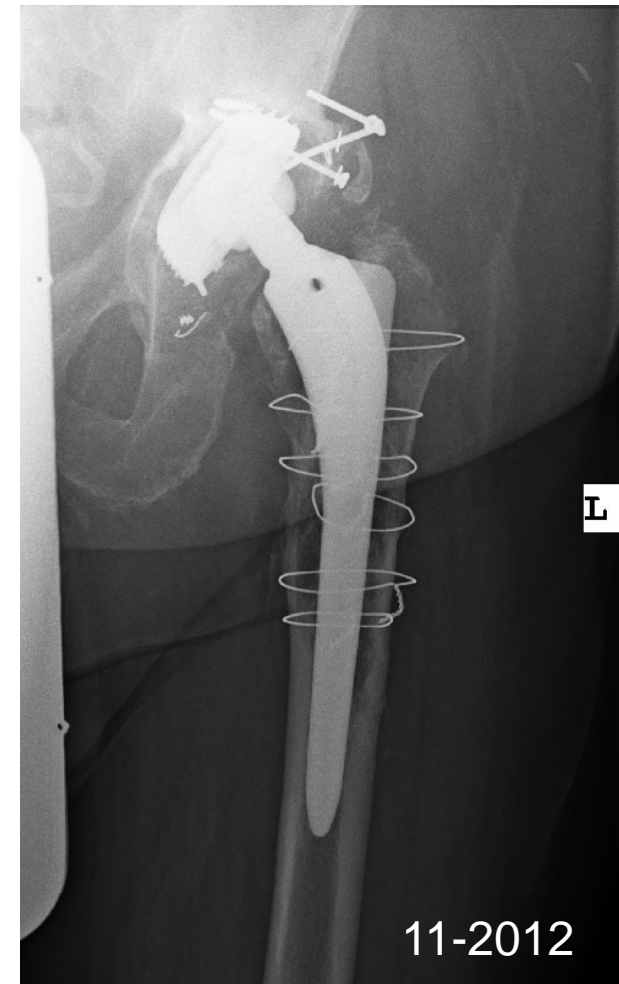
Case BHJ male 46 (1988)



Case BHJ male 56 (1999)



Case BHJ male 69 (2012)



Conclusion

- Relation between host bone / bone graft and implant is important
- Primary stability (mainly in pre-existing bone) must be achieved at the periprosthetic host bone
- Consideration of the individual bone stock situation
- Bicontact stem is suitable for revision surgery by defect 1-3 rarely 4

- Thank You
- For Attention