Arthroscopy In The Painful Hip Arthroplasty

Jennifer Rudolph
Jochen Muller-Stromberg
Holger Haas
Dirk Schemmann
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Material and Methods

- Retrospective analysis
- N=31
- 3.8 y after THA
- 66.8 y
- 10 male / 21 female

Pre-Op Dx

- Impingement: 16%
- Low-grade infection: 7%
- Arthrofibrosis: 3%
- Unresolved pain: 74%
Radiography helpful?

- Plain X Ray (ap & lateral view)
- 80% inconspicuous regarding
  - Implants
  - Position
  - Loosening signs
  - Articulation

X-Ray findings:
- 80% normal
- 10% prominent cup
- 7% osteolysis
- 3% ossification
Iliopsoas tenonitis (N=23)

- Cups with little anteversion
- Local synovitis at medial capsule
- Large bursa
- Arthroscopy = Therapeutic
Iliopsoas tenonitis (N=23)
Particle induced synovitis
Low grade infection
Arthrofibrosis
Microbiology and Histology

- Tissue samples from different locations
- Incubation min. 14 days
- Correlation with histologic findings
  - Differentiation between infection and contamination
Arthroscopy in THA

- Several good indications for therapeutic arthroscopy
- Supportive use in suspected infection
  - esp. Histology
- Information provided by X-Ray not significant
- Interdisciplinary approach (microbiology, histology and direct view)
Reference