

4.6% incidence

# Pseudo tumour

→ Rare but important complication  
[all types hip replacement]  
- Neither infective nor neoplastic

Defn

[granulomatous lesion]  
Tumour like condition without a true capsule  
caused by either excessive wear or metal allergy  
creates foreign body type reaction (type IV) to  
excessive amounts of metal debris

→ occur in metal on poly or " on metal implants

Need to biopsy  
open TNA core bx  
CT guided  
US guided

to differentiate, proposed to use AVAL score

**AVAL**  
= Aseptic lymphocyte dominated  
Vasculitic Associated lesion  
(Score)

- 1) Synovial lining
- 2) Inflammatory infiltrate
- 3) Tissue organization

10 points scoring system

Metal hypersensitivity Rxn identified cause of Pseudo T

- Cytology
- 1) Short cells spindle
  - 2) Lymphocytes
  - 3) histiocytes
  - 4) giant cells

⊕/⊖

- ⊕ Pain palpable swelling
- ⊕ effects on vital func. (vein, ureter)
- ⊖ bone & soft tissue destruction
- ⊖ Periacicular soft tissue involvement [M necrosis, pain, #, hip dislocations]

