

Practical approach of osteo- articular infections

Importance of the problem

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Osteomyelitis

- Open fractures
- Diabetic foot infections
- Surgical treatment of closed injuries
 - Is there a « Cure »....or is the goal of treatment to arrest the disease?

Osteomyelitis

- Classifications: Waldvogel or Cierny-Mader
which one should we use?
- S.aureus at the front...
except in cases with generalized
vascular insufficiency:
everything from the « Zoo »

Prosthetic joint infections

- Rare....
($< 1\%$ for hip or shoulder, $1-2\%$ for knee, reaching $3-6\%$ after revision)
....but so dreaded for the « unavoidable »
 other complications:
 - pain, reoperation,
 - potential loss of prosthesis,
 ...and their cost !

Prosthetic joint infections

- From early « wound »infection:
 - is the prosthesis infected?
- To pain months after the operation:
 - is it mechanical loosening ?
or occult infection?

Osteomyelitis-Prosthetic joint infection

- **Diagnosis :**
 - Are sinus tract cultures reliable?? For S.aureus?
or should we always perform a bone biopsy?
 - Sedimentation rate and CRP?
 - Are classic radiographic studies still usefull?
 - Respective place of CT and MRI ?
of technetium, gallium or
indium-labeled leukocytes?

Osteomyelitis_Prosthetic joint infection

- Treatment :

- IV or oral?

- Are the quinolones still « miracle drugs »?

- Linezolid or daptomycin : yes or no?

- And the « old drugs » : TMP-SMX,...?

- With or without rifampin in S.aureus
oxa S??/oxa R (?)

- How long ?....

- and surgery?

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