

National guideline Fracture Related infections (FRIs)



Dr. Frank Termaat, Traumasurgeon

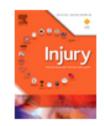




Definition FRI



Injury Available online 24 August 2017 In Press, Corrected Proof ?

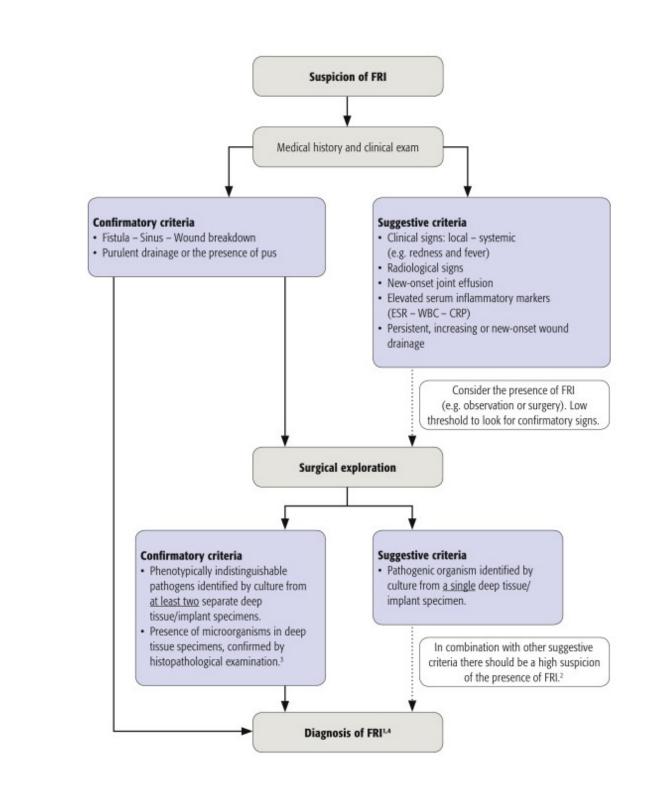


Full length article

Fracture-related infection: A consensus on definition from an international expert group

WJ. Metsemakers ^{a, s} A 🖾, M. Morgenstern ^b, M.A. McNally ^c, T.F. Moriarty ^d, I. McFadyen ^e, M. Scarborough ^c, N.A. Athanasou ^f, P.E. Ochsner ^g, R. Kuehl ^h, M. Raschke ⁱ, O. Borens ^j, Z. Xie ^k, S. Velkes ^I, S. Hungerer ^m, S.L. Kates ⁿ, C. Zalavras ^o, P.V. Giannoudis ^{p, q}, R.G. Richards ^d, M.H.J. Verhofstad ^r







L U M C



Example / illustrative clinical case

10

min

Difference between PJI and FRI

National Guideline Flow chart





Male, 58 yr

Fall from height

Pain ankle







Soft tissue damage





















+ 6 days

Infection

Bad soft tissue

Fever













Soft tissue condition / damage

FRI



PJI



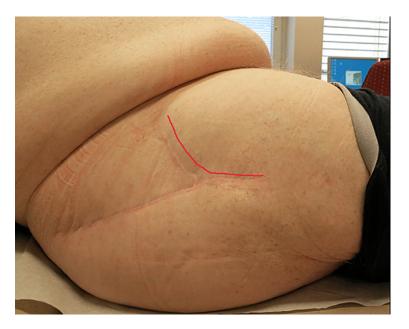


Soft tissue replacement/flaps

FRI

PJI



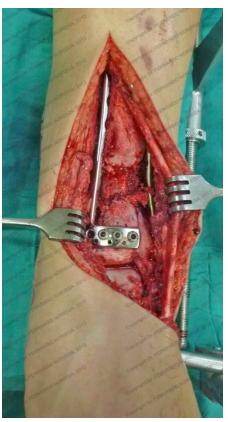


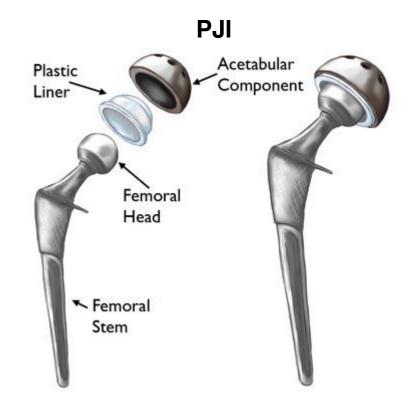




Removal hardware

FRI



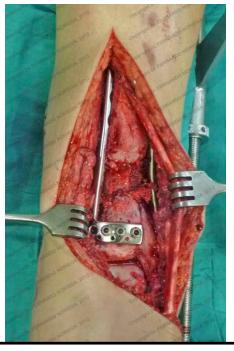




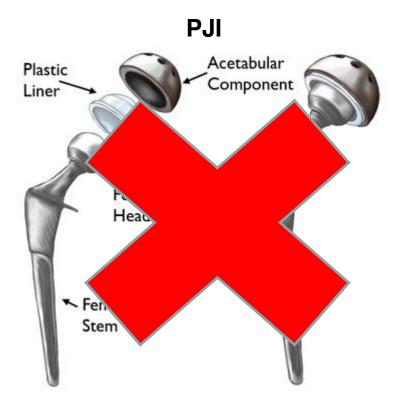


Bone can heal!

FRI



needs stability for bone healing

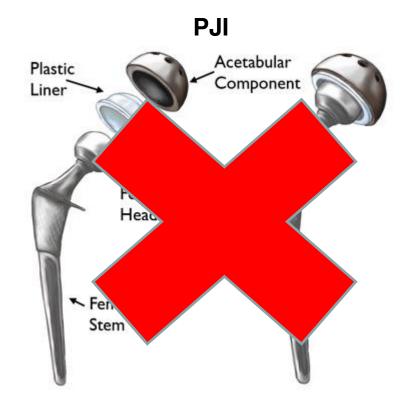






Bone needs stability for bone healing







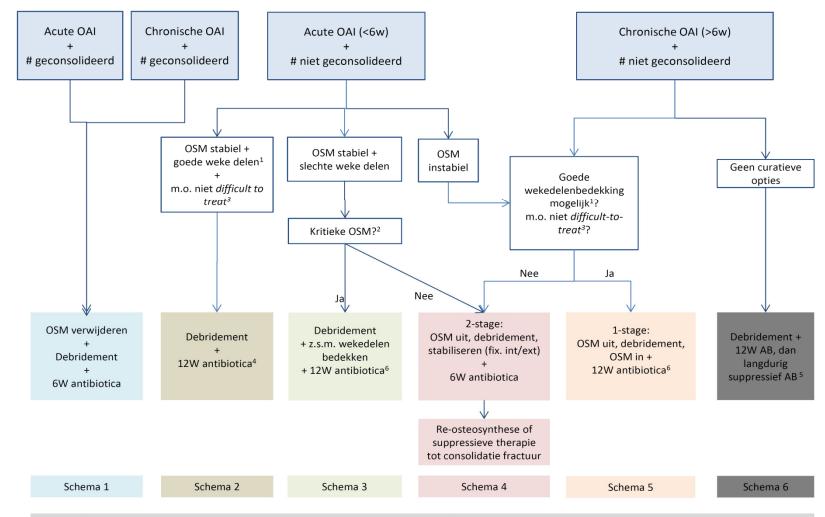


Overlap FRI and PJI

No distinction between superficial and deep infection

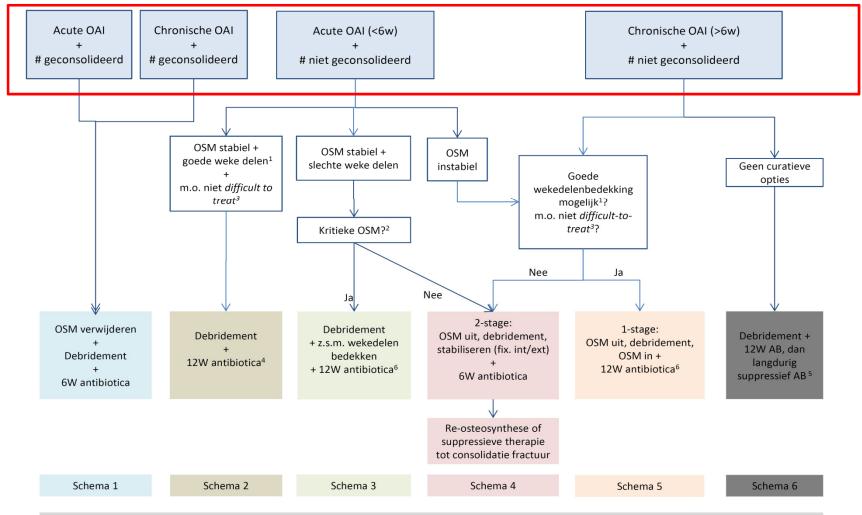






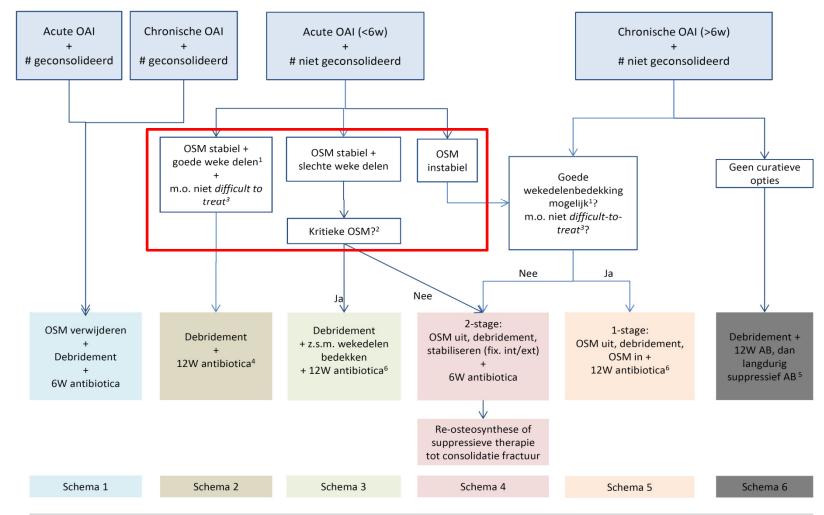






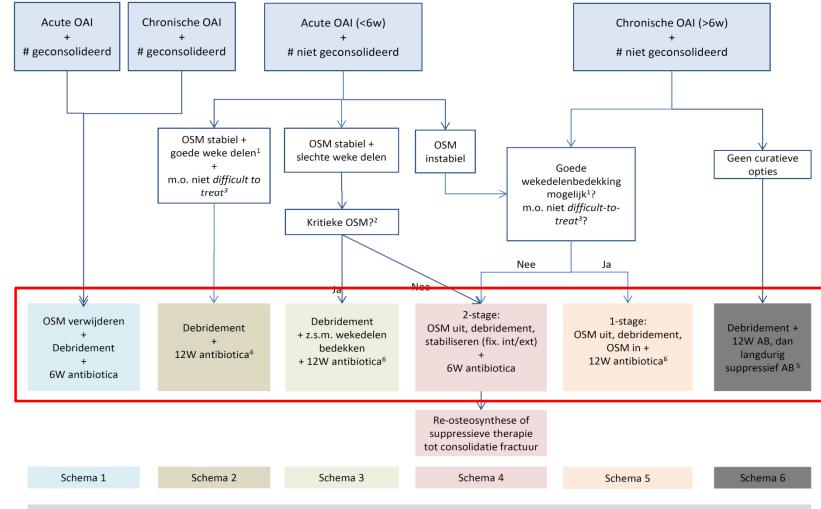






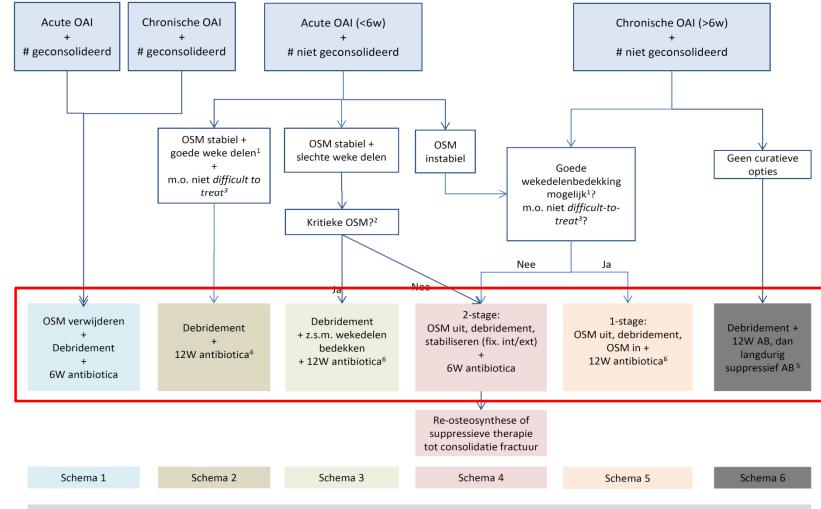






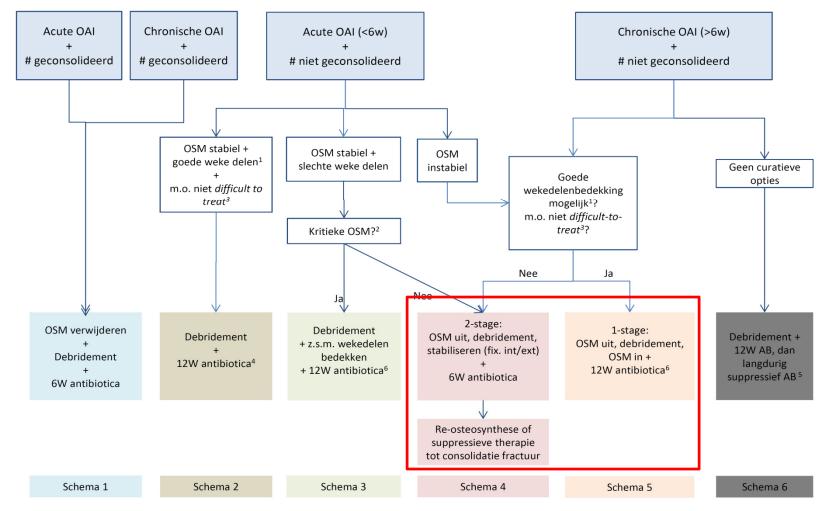






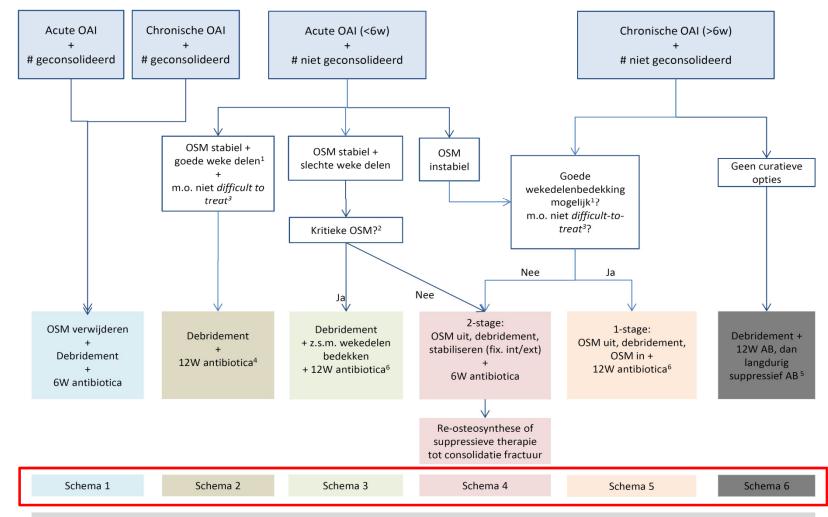






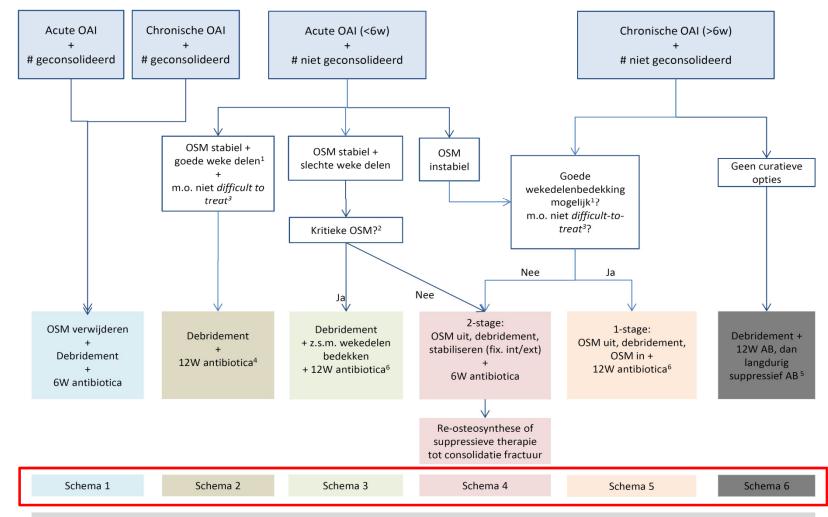
















Male, 58 yr

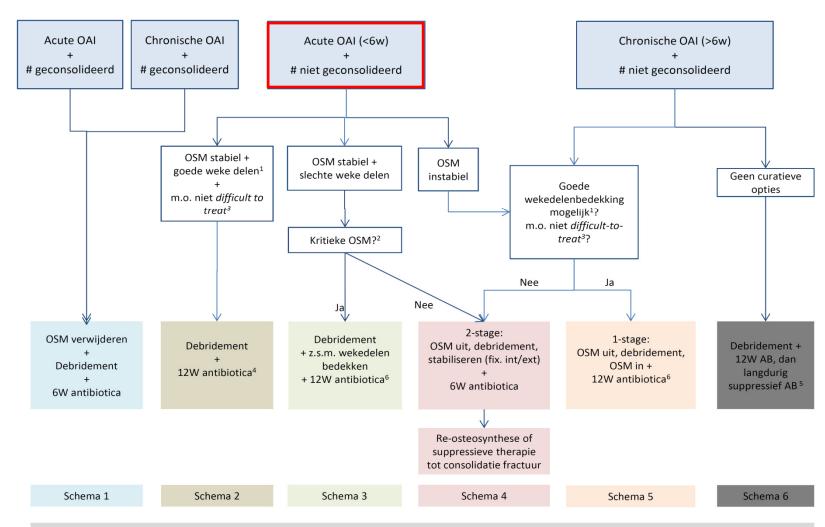
Fall from height

Pain ankle



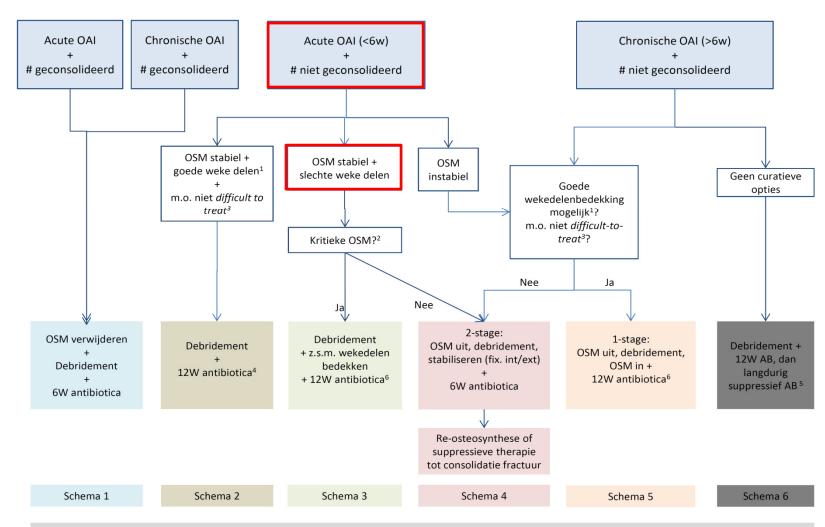






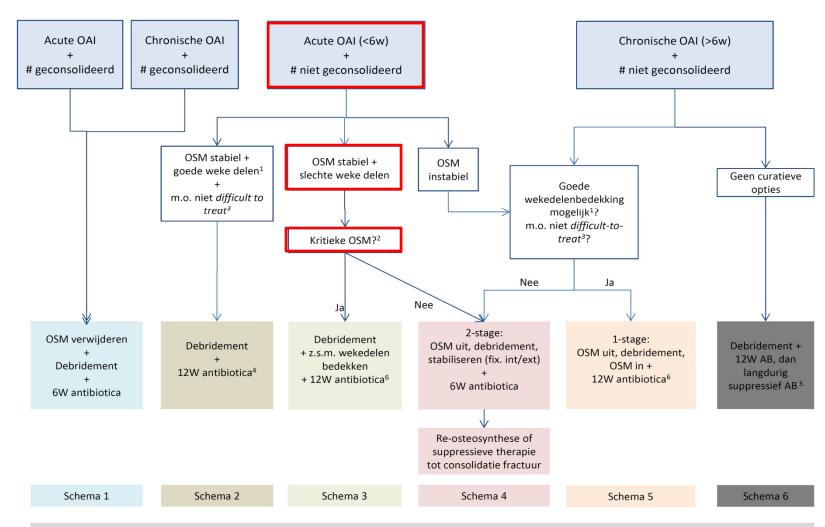






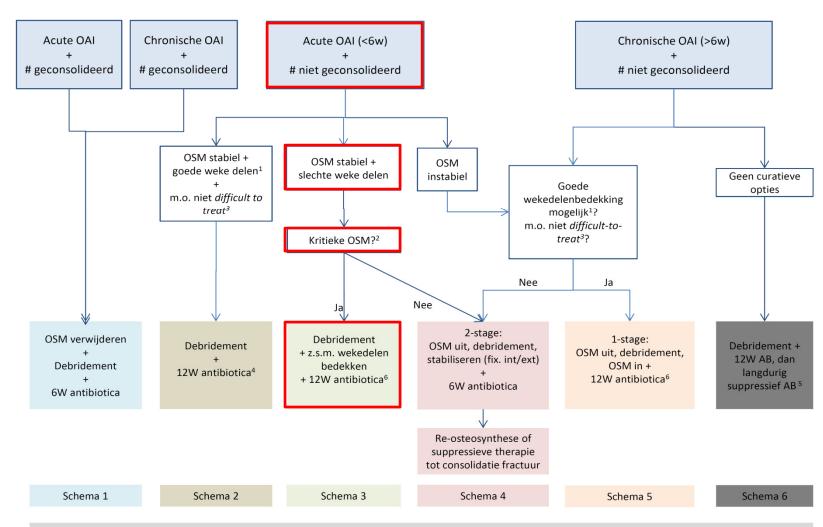






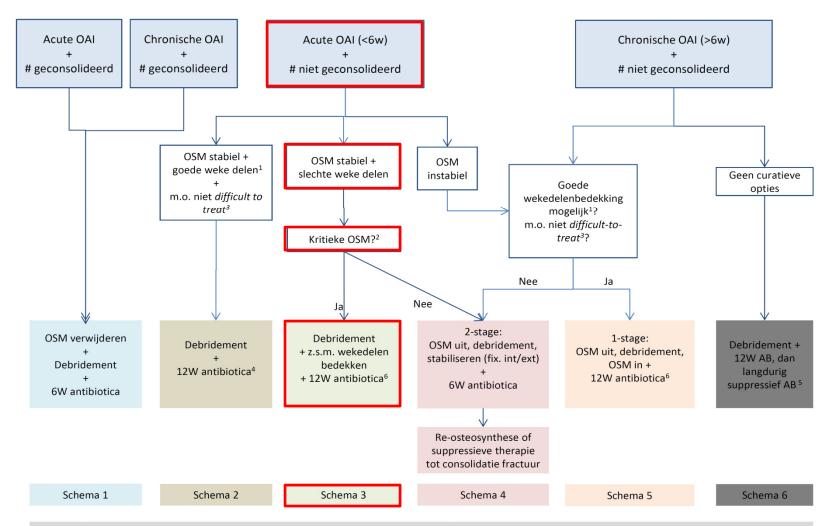












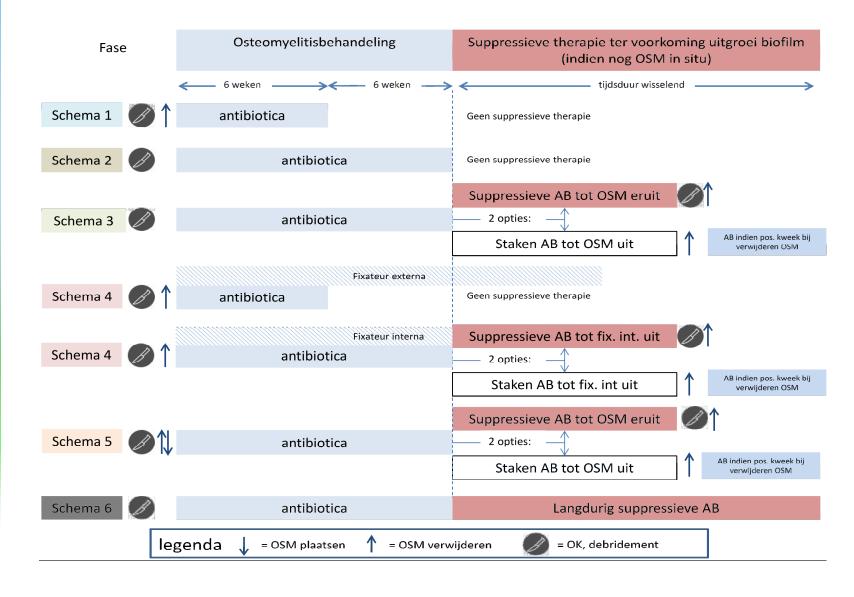




I will not ask dumb questions I will not ask dumb questions

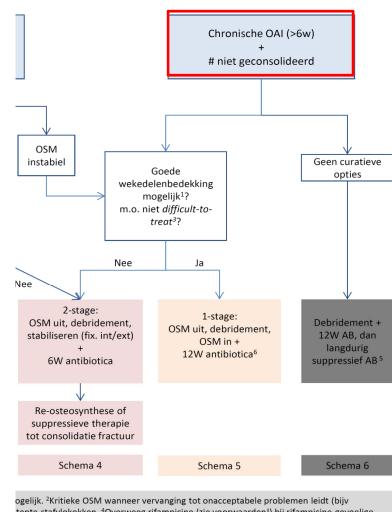










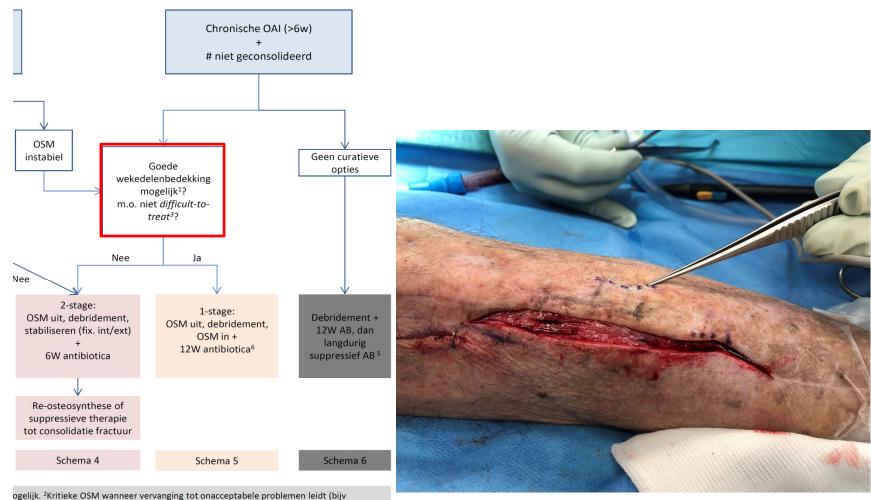


ogelijk. -Kritieke OSM wanneer vervanging tot onacceptabele problemen leidt (bijv tente stafylokokken. ⁴Overweeg rifampicine (zie voorwaarden!) bij rifampicine-gevoelige id. ⁶Na 12W 2 opties: *of* staken AB en bij verwijderen OSM kweken en zo nodig *A*. OAI=osteosynthese-geassocieerde infectie. OMS=osteosynthese materiaal. nfectie





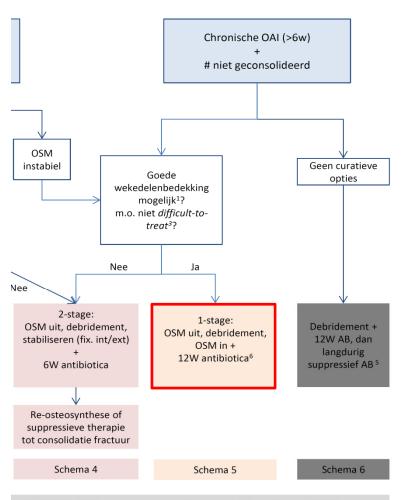




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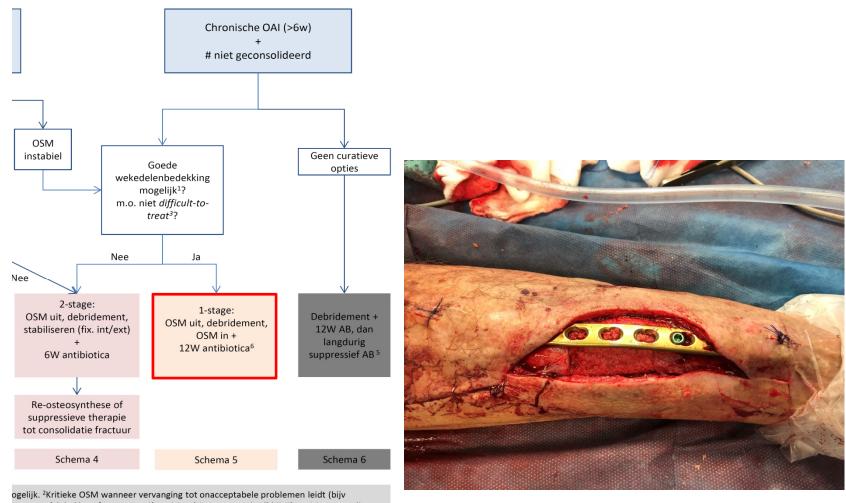


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TRAUMA CENTRUM WEST





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