

EARLY AND DEFINITIVE TREATMENT OF PILON FRACTURE

AO TRAUMA COURSE

ADVANCED PRINCIPLES OF FRACTURE MANAGEMENT

24-26/4-2024

JEPPE BARCKMAN

OUTCOME

- HVAD ER EN PILON FRAKTUR
- BEHANDLINGSSTRATEGI
- ADGANGE OG STRATEGI FOR DEFINITIV BEHANDLING

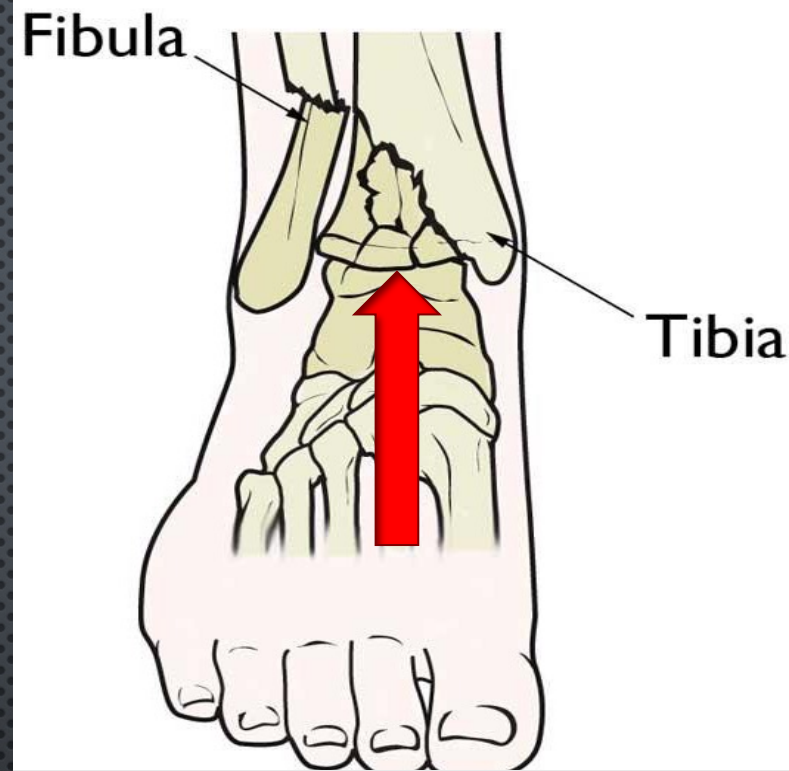
DEFINITION

PILON (FRANSK) – STØDER

1911

TRAUMEMEKANISMEN:

- AKSIAL SAMMENSTØD MELLEM TALUS OG TIBIA
- HØJENERGI
 - TRAFIKULYKKER, FALD FRA STOR HØJDE





KT

*THE PILON FRACTURE IS A SOFT TISSUE
INJURY WITH A BROKEN BONE INSIDE...*



BEHANDLINGSSTRATEGI

- SPAN-SCAN-PLAN



SPAN

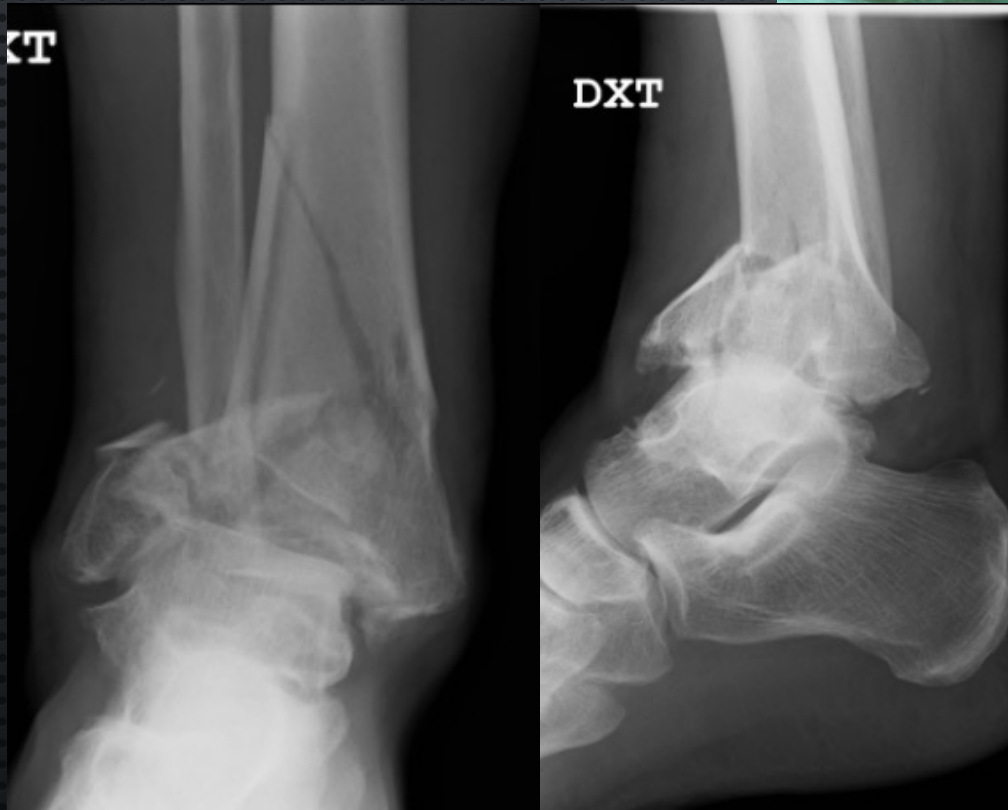


EKSTERNAL FIKSATION FRA MIDT/PROX TIBIA TIL CALCANEUS

PINDENE SKAL HOLDES UDEN FOR "ZONE OF INJURY" OG VÆK FRA EVT. INCISIONER

SPAN

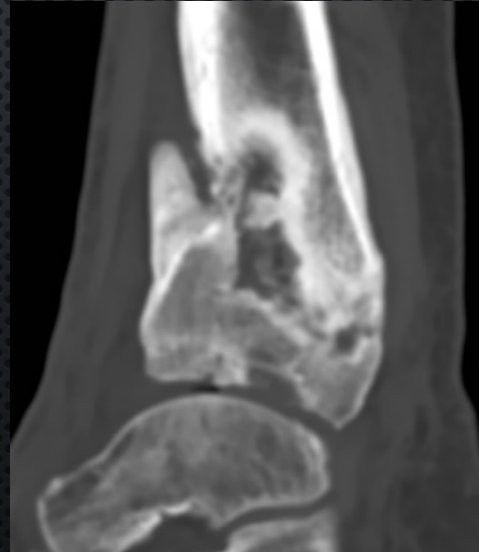
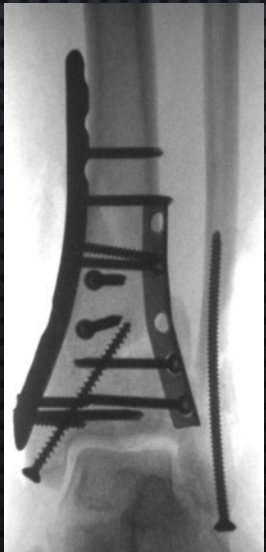
- MÅL ?





PLAN

- VIGTIGT
 - KEND OG RESPEKTERE DINE BEGRÆNSNINGER
 - DAGTIDS KIRURGI
 - KIRURGIEN SKAL UDFØRES AF ERFAREN TRAUMATOLOG.



PLAN

ANALYSERE FRAKTUREN

- FORSTÅ FRAKTUR ELEMENTERNE
- FORSTÅ REPONERINGS RÆKKEFØLGE

VURDERE BLØDDELE

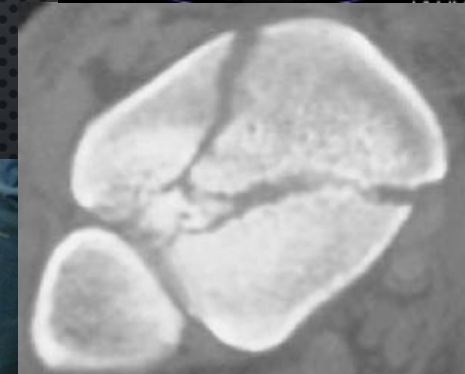
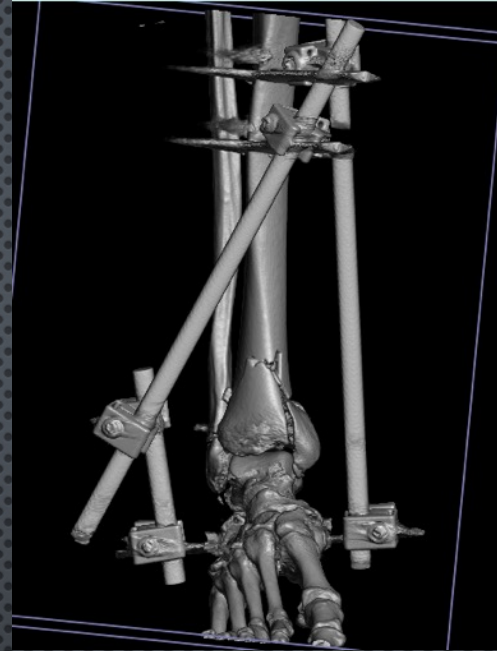
- ER DE KLAR TIL KIRURGI
- PÅVIRKER DET MULIGE ADGANGE
- PÅVIRKER DET VALG AF METODE

PATIENTENS PROFIL

- CO-MORBIDITET

KIRURGISK EKSPERTISE

- KEND ALLE ADGANGE



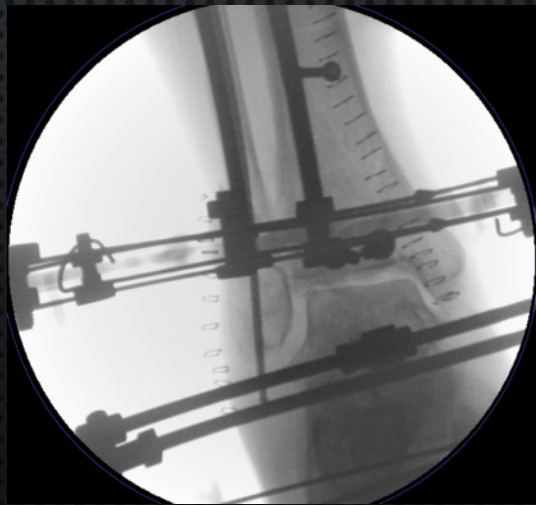
STABILITETS PRINCIPER

ARTIKULÆR FRAKTUR

- ANATOMISK REPONERING
- ABSOLUT STABILITET
- HURTIG MOBILISERING

METAFYSÆR FRAKTUR

- AKSE, LÆNGDE OG ROTATION
- RELATIV STABILITET

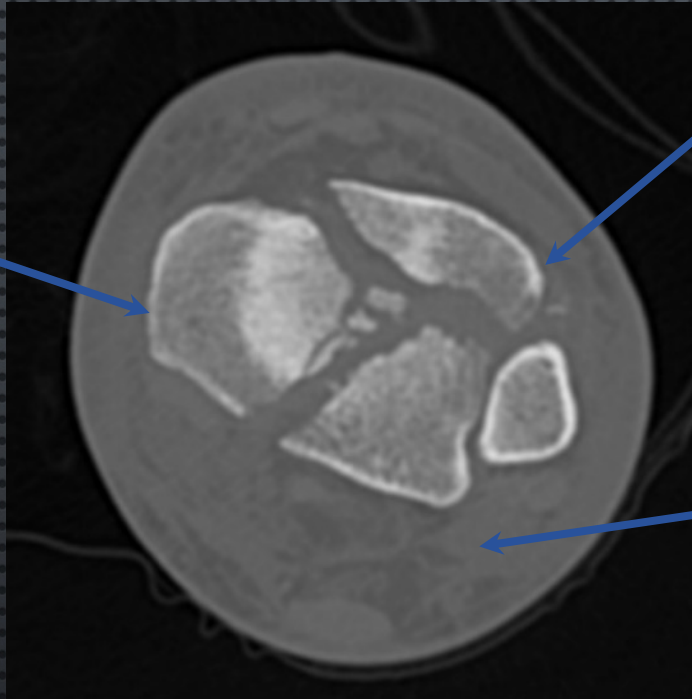


FRAKTUR ANALYSE



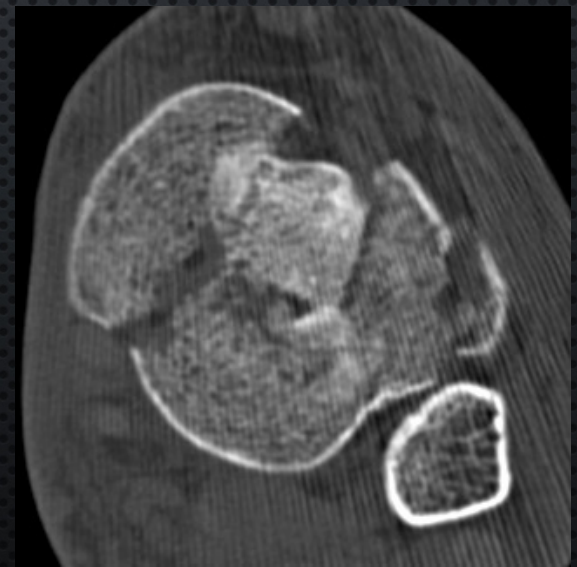
FRAKTUR ANALYSE

Medial

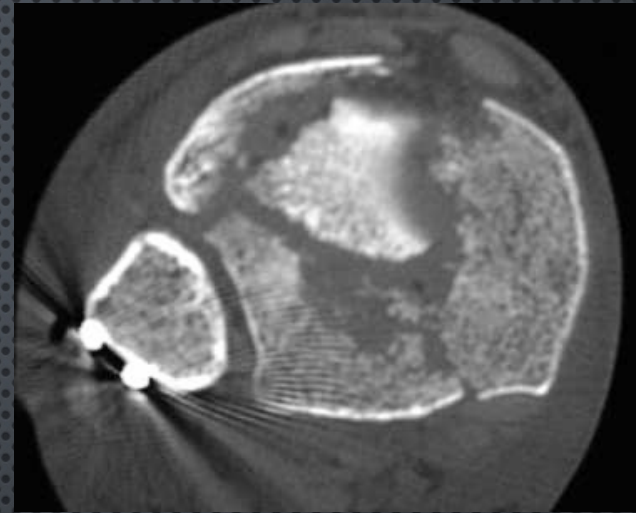
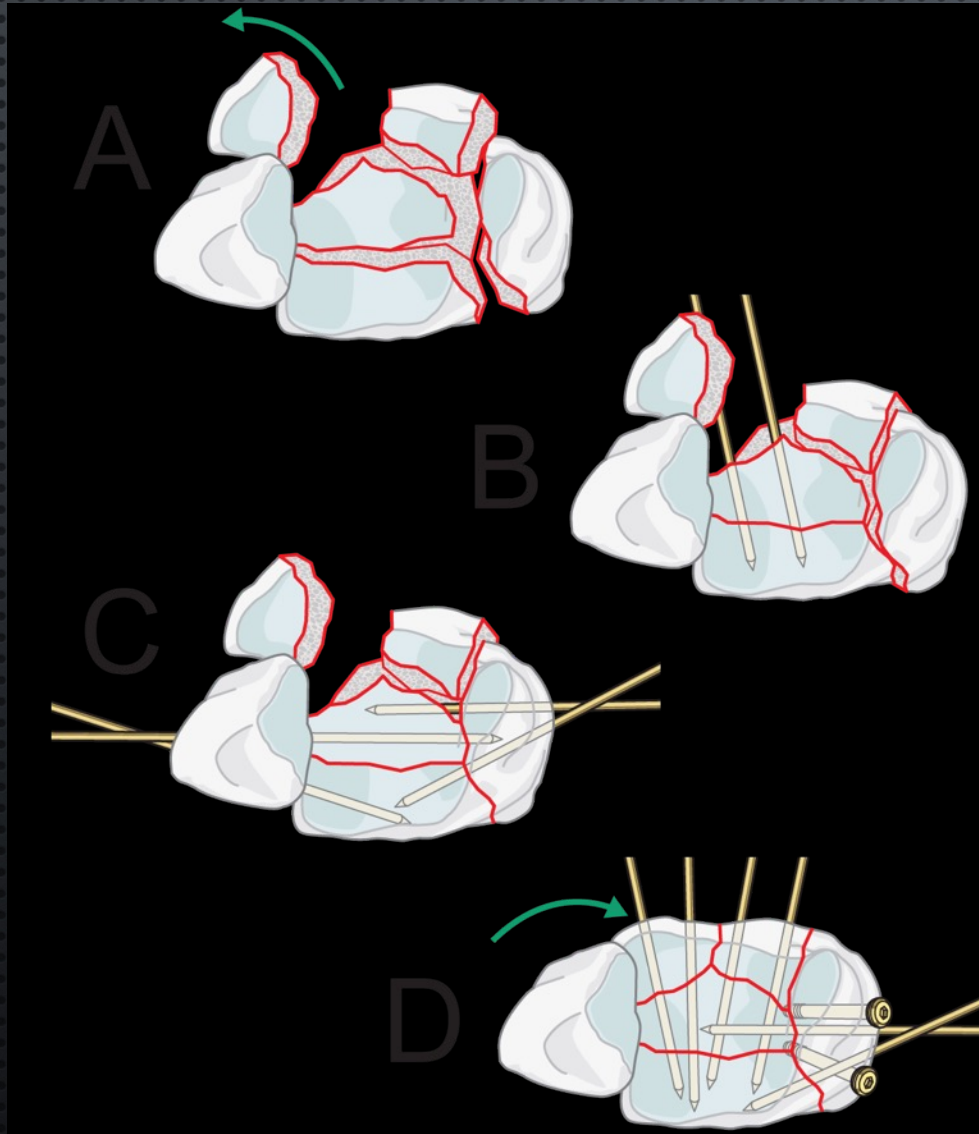


Anterolateral
(Chaput)

Posterolateral
(Volkmann's)

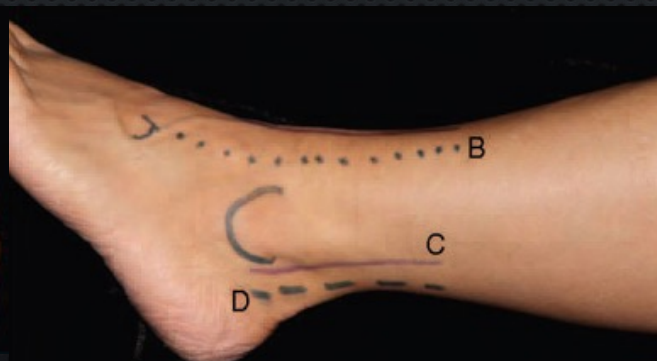
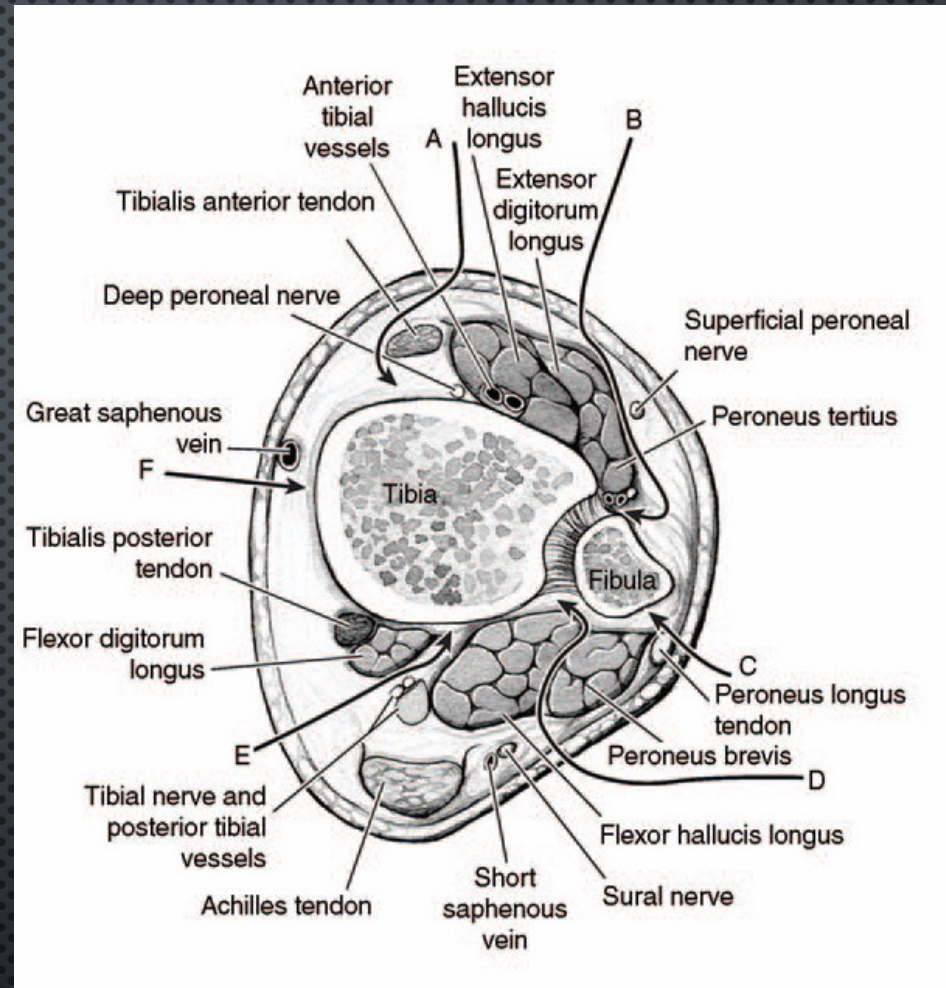


REPONERINGS STRATEGI



ADGANGE

- MEDIAL (F)
- ANTEROMEDIAL (A)
- POSTEROMEDIAL (E)
- LATERAL (C)
- ANTEROLATERAL (B)
- POSTEROLATERAL (D)





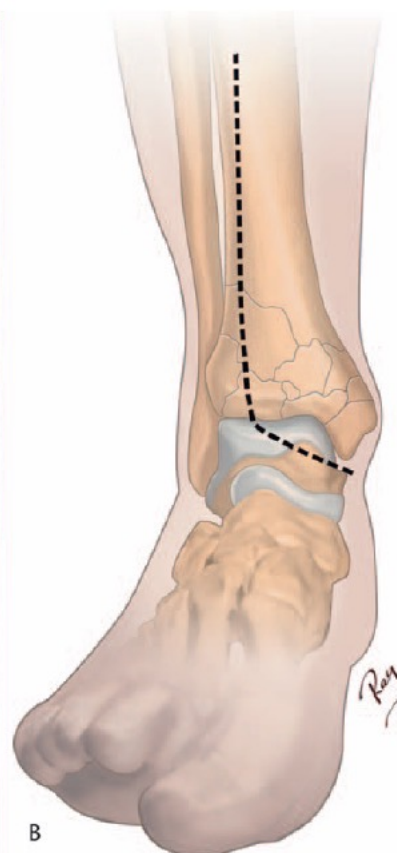
ADGANG

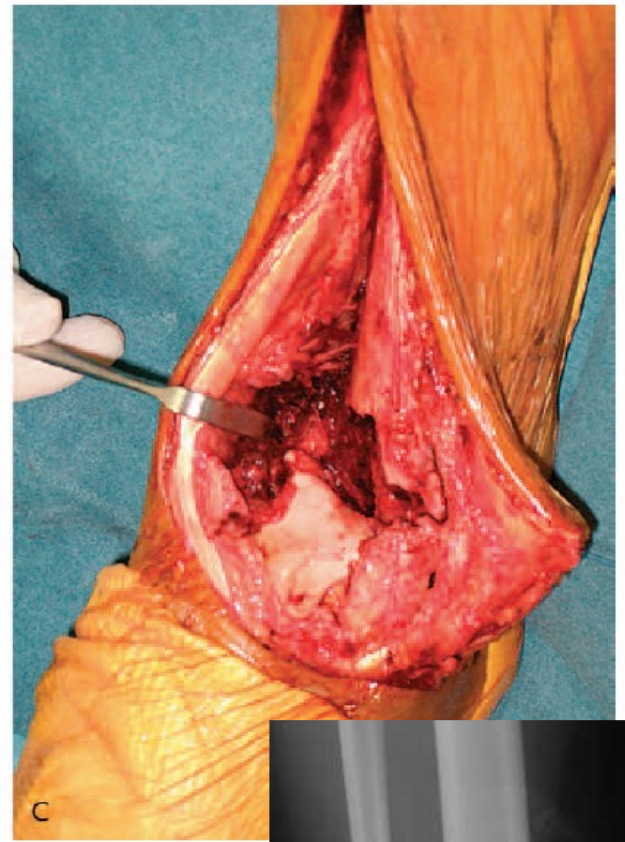
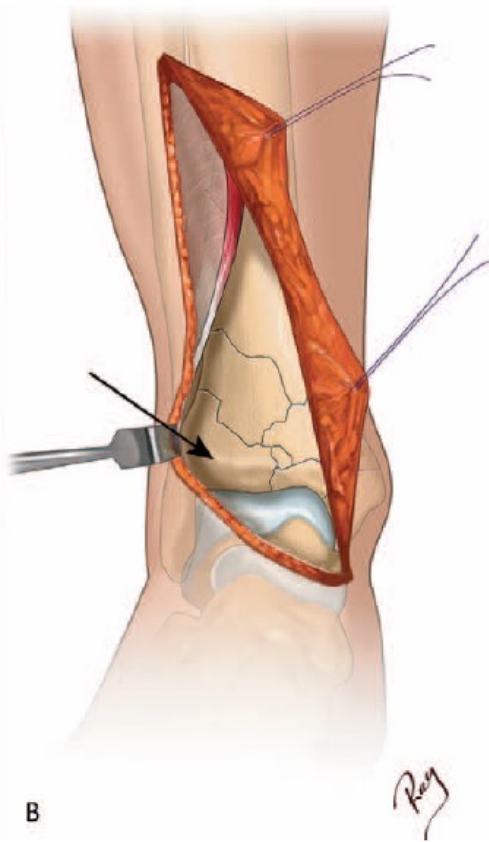
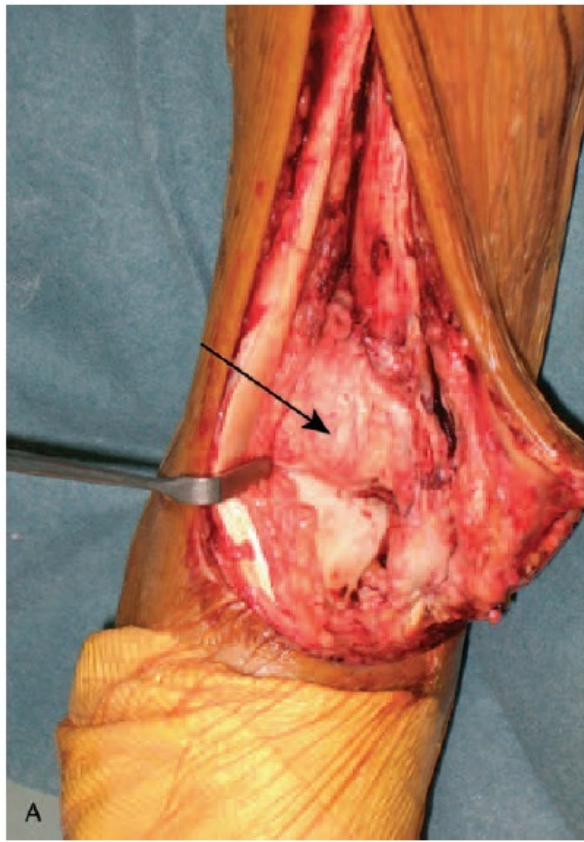


TECHNICAL TRICK

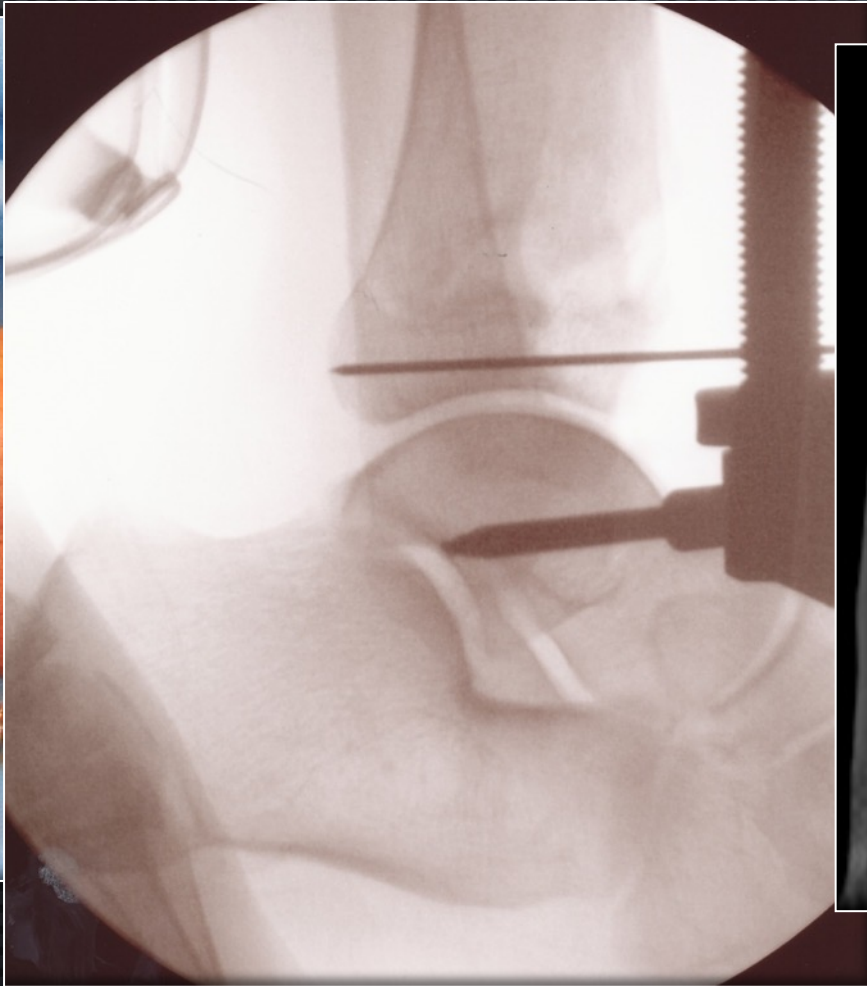
The Extensile Approach for the Operative Treatment of High-Energy Pilon Fractures: Surgical Technique and Soft-Tissue Healing

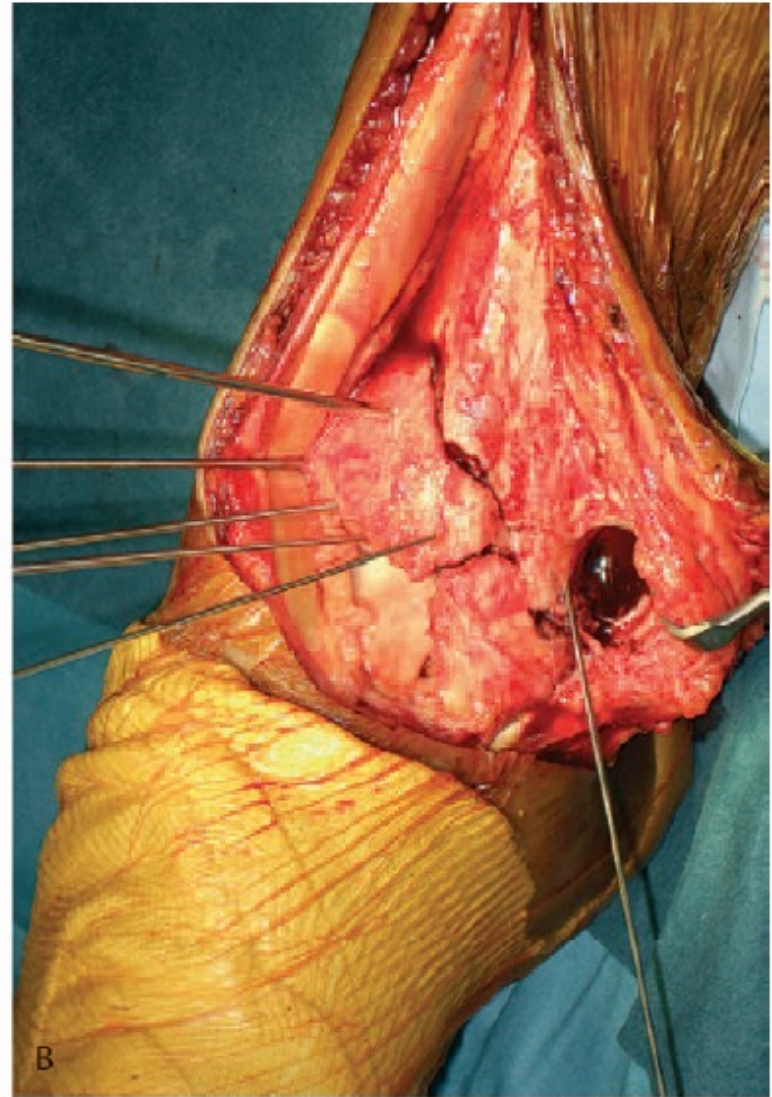
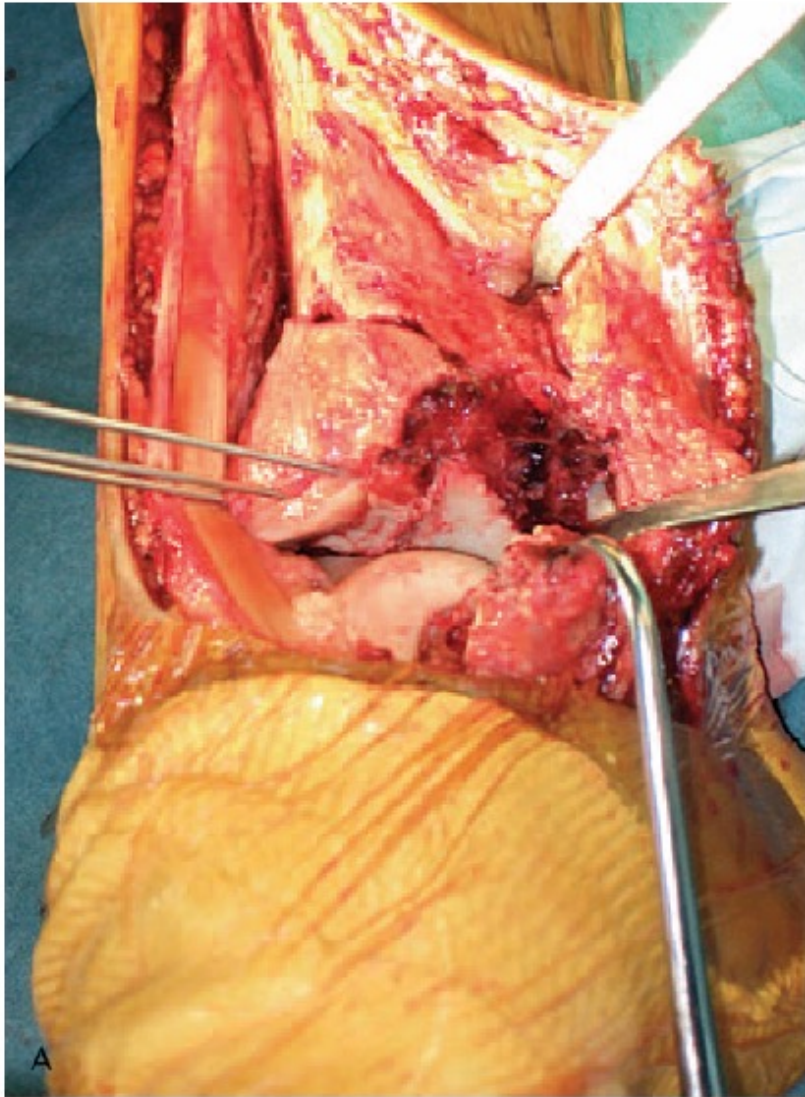
Mohamed Assal, MD, Adrien Ray, MD, and Richard Stern, MD

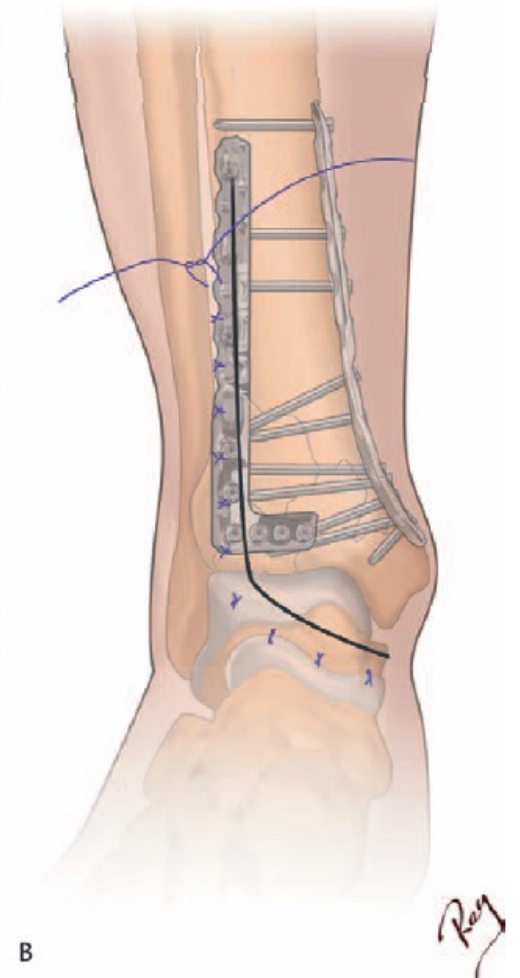
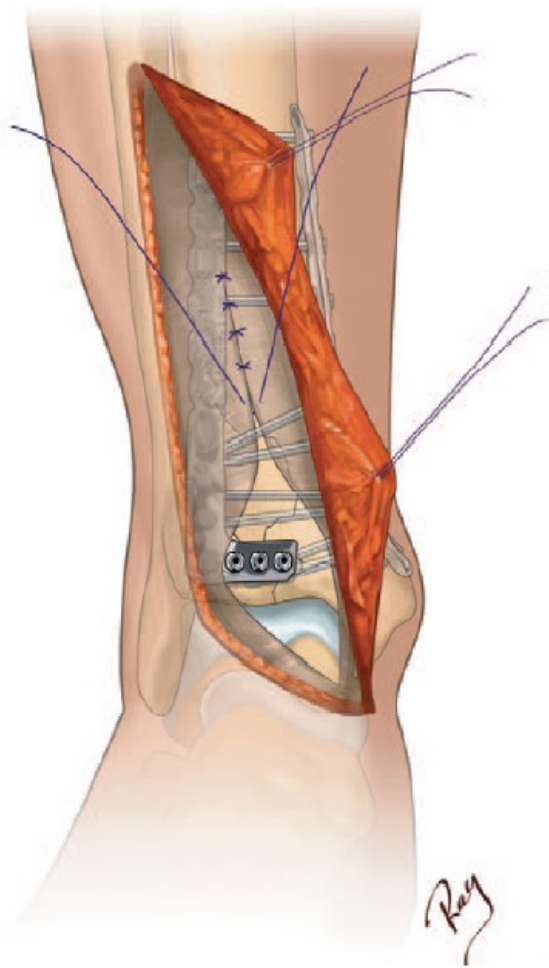




REPONERING







FIKASTION

BLØDDELENE AFGØR!



TAKE HOME MESSAGE

BLØDDELE!!!!!!

SPAN-SCAN-PLAN

VIGTIGT

KEND OG RESPEKTERE DINE BEGRÆNSNINGER

DAGTIDS KIRURGI

KIRURGIEN SKAL UDFØRES AF ERFAREN TRAUMATOLOG.