principles of open fracture treatment



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definition

an open fracture is a fracture that communicates with the outside environment







a (open) fracture is a soft-tissue injury which also involves the bone



open fractures ISTP e round 9/23

open fracture management

aim	problems
prevent infection	infection
soft tissue and bone healing without complications	delayed and non union soft tissue problems
restoration of function	loss of / non functional extremity

the problem:

open fx incidence 30/100 000/yr

open tibia 11% of all open fx

infection risk 30-50%

complication rate 50%



extreme mental distress, high morbidity, high costs

Where Are We in 2022? A Summary of 11,000 Open Tibia Fractures Over 4 Decades

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….little has changed over 40 years regarding our ability to lower the infection and nonunion rate.

…efforts to minimize complications with open tibia fractures need to continue.