

Presenting Diagnosis: Open Fracture

Inspection of Wound
NV Examination

Imaging of Fracture



Contact Ortho Physician

Initial Orders:

Antibiotics must be administered within 1 hour of presentation to ER

Antibiotics:

- Type I & II: Ancef 1-2 gm q 8hrs for 48hrs
- Type III: Ancef & Ceftriaxone 1gm daily for 2 days
- Farm or Lawn Injury: Add PCN or if allergic to PCN - give Clindamycin 900mg q 8 for 48hrs, Aztreonam 1gm q8 for 48hrs.
- Tetanus updated if not within 5yrs

Dressing:
Light irrigation OK for surface contamination
Moist Saline Dressing
Splint and Provisional Reduction of Fracture

Classifications

- Type I:
1 cm laceration/Wound
No gross contamination
Low Energy Fracture Pattern
- Type II:
1-10 cm laceration/Wound
No Gross Contamination
Low Energy Fracture Pattern
- Type III
Any Size Laceration
Some element of Contamination
High Energy Fracture Patterns
Segmental
Comminution
High Energy Mechanism
- IIIA: Wound Closeable at time of Surgery
IIIB: Wound Requires Flap Coverage
IIIC: Limb Requires Vascular Repair

ER Orders		
Imaging/tests	Labs	Other
EKG Chest XR	CBC Chem 20 profile PT/INR Type/Screen	NPO Medical Consult Antibiotics