

Gustilo Fracture Type & Risk Factors	First Line	Penicillin Allergy	History of MRSA Infection
Type I or II	IV Cefazolin 50mg/kg/dose q8hrs (MAX 3grams/dose)	IV Clindamycin 10mg/kg/dose q8hrs (MAX 900mg/dose)	IV Vancomycin 17.5mg/kg/dose q6hrs (MAX 900 mg/dose)
Type I or II <i>with concern for soil/fecal/farm contamination or impaired vascularity</i> <i>*Consider Tetanus prophylaxis</i>	IV Cefazolin 50mg/kg/dose q8hrs (MAX 3grams/dose) + IV Penicillin G 100,000 units/kg/dose q6hrs (MAX 4 million units/dose)	IV Clindamycin 10mg/kg/dose q8hrs (MAX 900mg/dose) + IV Gentamicin 2.5mg/kg/dose q8hrs	IV Vancomycin 17.5mg/kg/dose q6hrs (MAX 900 mg/dose) + IV Penicillin G 100,000 units/kg/dose q6hrs (MAX 4 million units/dose)
Type III_A, III_B, III_C	IV Cefazolin 50mg/kg/dose q8hrs (MAX 3grams/dose) + IV Gentamicin 2.5mg/kg/dose q8hrs	IV Clindamycin 10mg/kg/dose q8hrs (MAX 900mg/dose) + IV Gentamicin 2.5mg/kg/dose q8hrs	IV Vancomycin 17.5mg/kg/dose q6hrs (MAX 900 mg/dose) + IV Gentamicin 2.5mg/kg/dose q8hrs <i>*Recommend pharmacy consult</i>
Type III_A, III_B, III_C <i>with concern for soil/fecal/farm contamination or impaired vascularity</i> <i>*Consider Tetanus prophylaxis</i>	IV Piperacillin-tazobactam 75mg piperacillin/kg/dose q6hrs (MAX 3g of piperacillin component/dose)	IV Clindamycin 10mg/kg/dose q8hrs (MAX 900mg/dose) + IV Gentamicin 2.5mg/kg/dose q8hrs	IV Vancomycin 17.5mg/kg/dose q6hrs (MAX 900 mg/dose) + IV Piperacillin-tazobactam 75mg piperacillin/kg/dose q6hrs (MAX 3g of piperacillin component/dose) <i>*Recommend pharmacy consult</i>
Saltwater related injury (Type I or II or III)	IV Ceftriaxone 50mg/kg/dose q24hrs (MAX 2grams/day) + IV Doxycycline weight >45kg - 100mg q12hrs weight < 45kg – 2.2mg/kg/dose q12hrs		

Tetanus Prophylaxis Recommendations

	Clean, Minor wounds		All other wounds ^a	
Vaccine history	DTaP, Tdap, or Td ^b	TIG	DTaP, Tdap, or Td ^b	TIG
<3 doses or unknown	Yes	No	Yes	Yes
>= 3 doses	Only if >=10years since last vaccine dose	No	Only if >=5 years since last vaccine dose	No

a. Wounds contaminated with dirt, feces, soil, and saliva, puncture wounds, avulsions or wounds from crush injuries, burns, frostbite

b. DTaP for children < 7 years old. Td for kids 7-10 years old. Tdap for under-immunized children 7 years/older who have not received Tdap previously.

Modified from Redbook 2021-2024.