Gustilo-Anderson Open Fracture Classification

Туре	Wound Size	Contamination	Fracture	Vascular Injury Requiring Repair	Soft Tissue Coverage
1	Wound < 1 cm	Minimal	Minimal comminution, no periosteal stripping	No	Adequate
"	Wound > 1 cm	Moderate	Moderate comminution; minimal periosteal stripping	No	Adequate
IIIA	Any Size	Severe	Severe comminution or segmental fractures, periosteal stripping	No	Adequate, may become inadequate with debridement
IIIB	Any Size	Severe	Severe comminution or segmental fractures, periosteal stripping	No	<mark>Inadequate</mark> (rotation or flap flap)
IIIC	Any Size	Severe	Severe comminution or segmental fractures; periosteal stripping	Yes	<mark>Inadequate</mark> (rotation or free flap)

Treatment Recommendations For Open Fractures

Absence of soil or water contamination	Presence of soil contamination	Presence of water contamination
Gustilo-Ander	son Type I or II	
Cefazolin 2g IV every 8 hrs	Cefazolin IV + Metronidazole IV OR Ceftriaxone IV + Metronidazole IV	No modifications needed for G&A I or II injures
Vancomycin IV	Clindamycin IV	No modifications needed for G&A I or II injuries
Gustilo-And	erson Type III	
Cefazolin IV + Gentamicin IV OR Ceftriaxone IV	Ceftriaxone IV + Metronidazole IV OR Cefazolin IV + Gentamicin IV +	Fresh Water Contamination -Zosyn IV Sea Water Contamination -Zosyn IV + Doxycycline IV/oral
Clindamycin IV	Clindamycin IV + Gentamicin IV	Fresh Water Contamination -Imipenem OR Meropenem IV <u>Sea Water Contamination</u> -Imipenem or Meropenem IV + Doxycycline IV/oral
	contamination Gustilo-Ander Cefazolin 2g IV every 8 hrs Vancomycin IV Gustilo-And Cefazolin IV + Gentamicin IV OR	contaminationcontaminationGustilo-Anderson Type I or IICefazolin 2g IV every 8 hrsCefazolin IV + Metronidazole IVORORVancomycin IVCeftriaxone IV + Metronidazole IVVancomycin IVCefazolin IV + Gentamicin IVCefazolin IV + Gentamicin IVORORCeftriaxone IVCeftriaxone IV + Metronidazole IVORORCeftriaxone IVCeftriaxone IV + Metronidazole IV