

## **Classification of Open Fractures Version 2**

### Skin

1. Laceration with edges that approximate
2. Laceration with edges that do not approximate
3. Laceration associated with extensive degloving

### Muscle

1. No appreciable muscle necrosis, some muscle injury with intact muscle function.
2. Loss of muscle but the muscle remains functional, some localized necrosis in the zone of injury that requires excision, intact muscle-tendon unit.
3. Dead muscle, loss of muscle function, partial or complete compartment excision, complete disruption of a muscle-tendon unit, muscle defect does not reapproximate.

### Arterial

1. No major vessel disruption
2. Vessel injury without distal ischemia
3. Vessel injury with distal ischemia

### Contamination

1. None or minimal contamination
2. Surface contamination (not ground in)
3. Contaminant embedded in bone or deep soft tissues or high risk environmental conditions (barnyard, fecal, dirty water, etc.)

### Bone Loss

1. None
2. Bone missing or devascularized bone fragments, but still some contact between proximal and distal fragments
3. Segmental bone loss