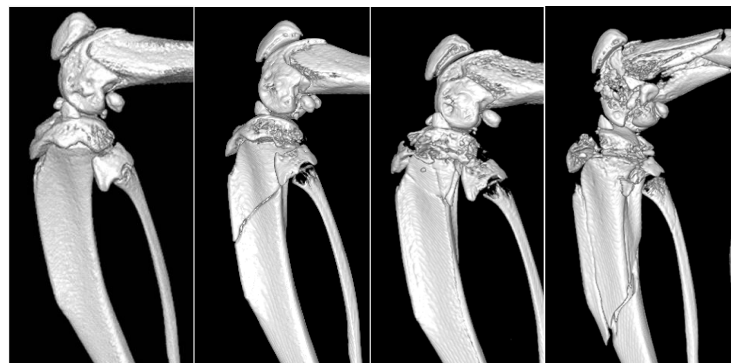
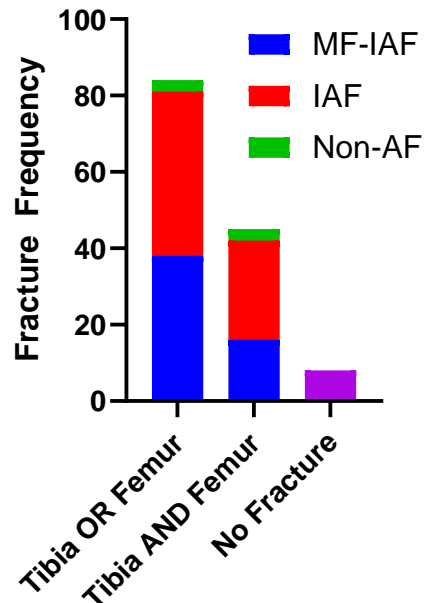
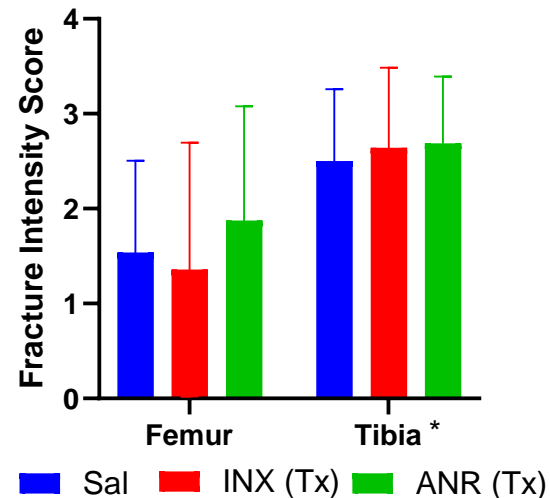


A

No Fracture

Non-Articular
FractureIntraarticular
Fracture (IAF)Multi-
Fragmentary
IAF

Fracture Intensity

B**C**

Supplemental Figure 1: Effect of Impact-Induced Trauma on IAF Generation and Fracture Intensity. (A) Representative images of the types of fractures induced by blunt-force-trauma impacts at 5J of energy. Fracture intensity increasing from left to right as defined by AOOTa compendium. (B) Aggregated data of fracture frequency from IAF or Multi-fragmentary (MF)-IAF induced in one limb bone (Tibia or Femur), both limb bones (Tibia and Femur) or non-articular fractures (non-AF, NF). (C) Fracture intensity scores by treatment group defined by AOOTa numerical classification. Values are mean \pm SD of n=6 animals per group. * indicates $P < 0.05$ for location (Tibia)