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Dear Editor, *JoVE*,

We would greatly appreciate your consideration of our attached manuscript "*A Simple Critical-Sized Femoral Defect Model in Mice.*" by Clough *et al.* for publication in *JoVE*.

Animal models are frequently employed to mimic serious bone injury in biomedical research, but due to their small size, establishment of stabilized bone lesions in mice are beyond the capabilities of most research groups. This is problematic because mice afford significant research advantages in that they can be genetically modified and bred as immune-compromised strains that do not reject human cells and tissue.

Herein, we demonstrate a technique that facilitates the generation of a segmental defect in mouse femora using standard laboratory and veterinary equipment. With practice, fabrication of the fixation device and surgical implantation is feasible for the majority of trained veterinarians and animal research personnel.

We believe that this methods article will be of great interest to the orthopedic, tissue engineering and regenerative medicine fields and of general interest to the readership of *JoVE*. Thank you for consideration of our manuscript and please feel free to contact me if you have any questions or concerns.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "C. Gregory".

Carl Gregory, Ph. D.