



Supplementary File 1.

A) Bone embedded in MMA. Different blocks of MMA containing bone fragments, embedded without decalcification.

B) The block being sectioned using a precision saw.

C) Histological slide analyzed under fluorescence microscopy. A cortical bone with eroded surfaces is visible, along with an artefactual microfracture (red arrow). The microfracture is identified as artefactual due to the absence of the characteristic shiny stain on the fracture surface, lacking the typical bright halo.