

SUPPLEMENTAL INFORMATION

Multiscale bone quality analysis in osteoarthritic knee joints reveal a role of the mechanosensory osteocyte network in osteophytes

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SUPPLEMENTAL FIGURE LEGENDS

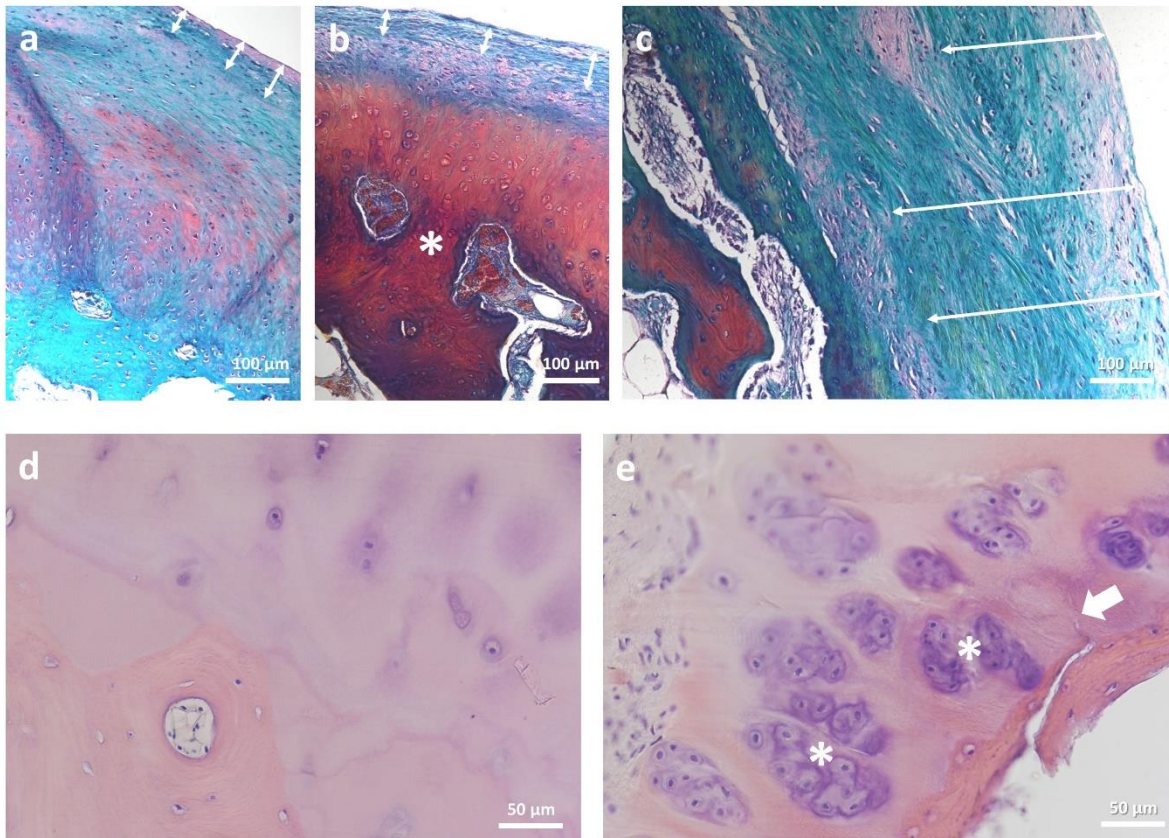
Supplemental figure 1: Osteophyte features. a-c) Various thickness of a fibrous tissue layer (white double headed arrows) on top of the osteophyte surface (decalcified, Safranin O, fastgreen) and a thick cartilage layer seen in b) (*). d) Cartilage of a control area, e) cartilage on top of an osteophyte revealing cracks and fissures (white arrow) and cell clusters (*) (decalcified, H&E).

Supplemental figure 2: Histological characteristics of the osteocyte network. a) Osteophyte bone revealing lacunae with single osteocyte and two nuclei (red arrow; decalcified, H&E, inserts magnified 1.8x). b) Osteocyte lacunar outline (white arrows) and individual canaliculi emerging from one lacuna (black arrows; decalcified, silver precipitation).

SUPPLEMENTAL FIGURES

Supplemental Figure 1:

Various degrees of fibrous membrane formation on the osteophyte surface



Supplemental Figure 2:

