ABSTRACT

The invention relates to a tissue scaffold device and a method for fabricating the tissue scaffold device. The tissue scaffold device comprises a porous core including a plurality of fibres and an outer portion at least substantially surrounding the porous core, wherein the outer portion includes a plurality of pores elongated along a longitudinal axis of the tissue scaffold device. The tissue scaffold device is preferably a tendon scaffold, and the fibres preferably comprise collagen and poly(ecaprolactone) (PCL), with or without incorporation of hydroxyapatite nanoparticles.

FIG. 3C