

RESEARCH ARTICLE

Double-protein-loaded 3D-printed polyetheretherketone cage for promoting interbody fusion via osteogenic differentiation

Supplementary File

Table S1. Print parameters of polyetheretherketone (PEEK) samples

Parameter	Specification
Nozzle temperature (°C)	400
Bed temperature (°C)	130
Chamber temperature (°C)	90
Print speed (mm/s)	50
Layer height (mm)	0.2

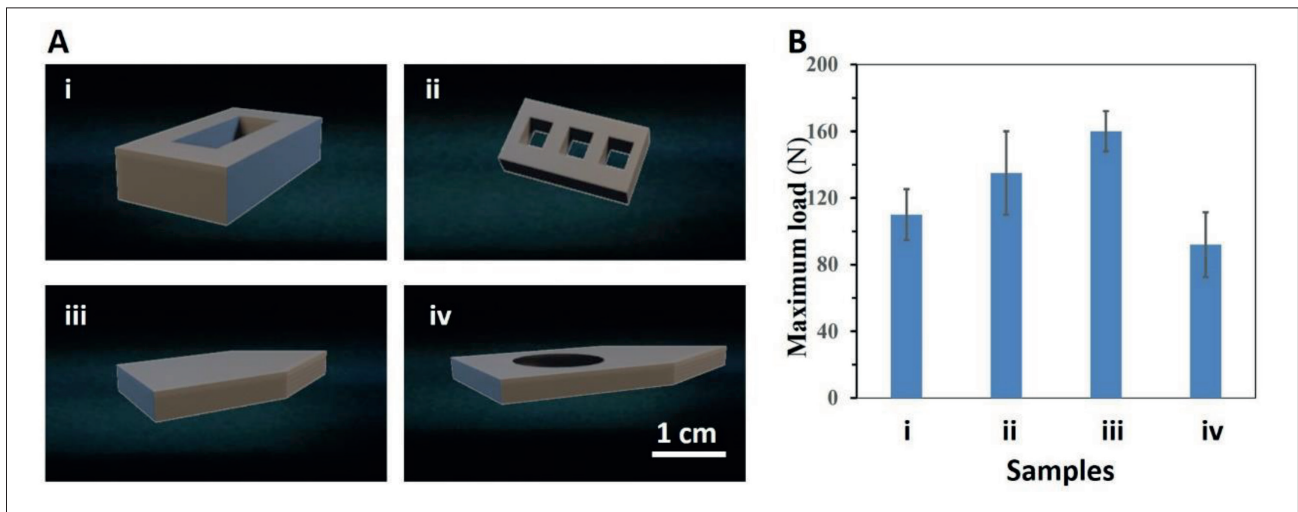


Figure S1. Shapes of polyetheretherketone (PEEK) interbody fusion cages and their corresponding maximum load capacity. (A) Shapes of different samples. Scale bar: 1 cm. (B) The maximum load force. PEEK interbody fusion cages: i: Box type; ii: Three boxes type; iii: Non regular pentagon; v: Non regular pentagon with a hole. $n = 4$.

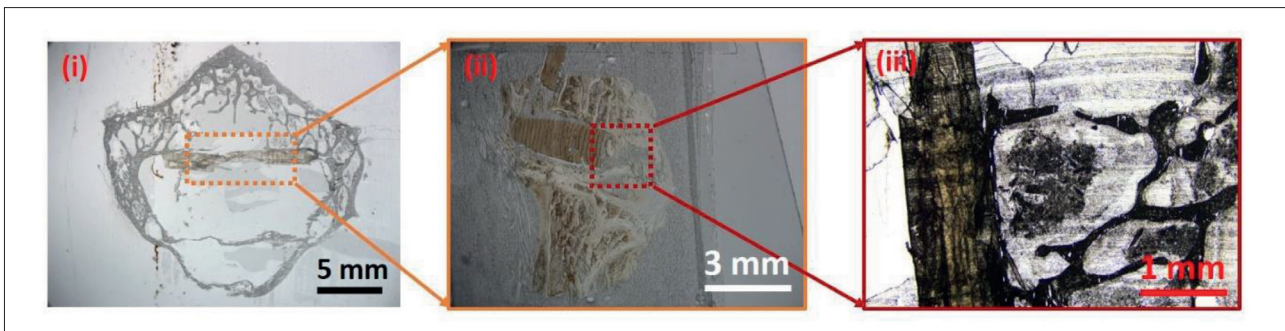


Figure S2. Histological slicing of vertebra implanted with S-P-BMP2/LBL-SP. Scale bars: (i) 5 mm; (ii) 3 mm; (iii) 1 mm.