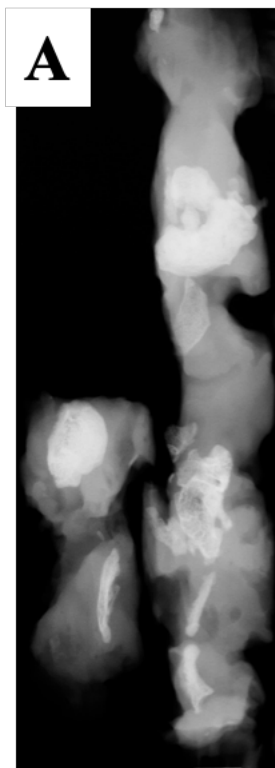


Supplementary information



Supplementary Figure 1. X-ray images showing the dissected hip joint capsules and the soft tissues. A) The BMP2 saline treatment showing the obvious HO formation. (21) B) The BMP2 hydrogel treatment showing no HO formation.

Supplementary Table 1: Quantitative RT-PCR primers used in the study.

Gene name	Forward primer	Reverse primer
Col1	5'- GAGGCCGTTCTGTACGCAG-3'	5'- GATTGAGGGACCTGGAGCCC-3'
ALP	5'- AAGACACACTGACCGTCGTC-3'	5'- GGGGGCCAGACCAAAGATAG-3'
Osx	5'- CTCATTCCCTGGCTCAC-3'	5'- TGGGCAGACAGTCAGAAGAG-3'
b-Actin	5'- CACGCCATCCTGCGTCTGGA-3'	5'- AGCACCGTGTTGGCGTAGAG-3'