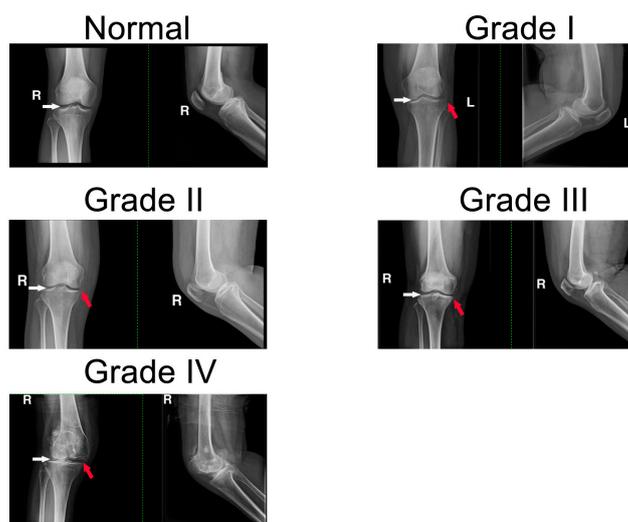


Supplementary Information

A



B

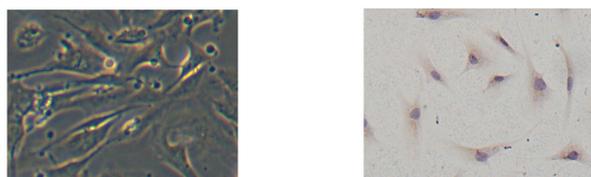


Figure S1. (A) The four grades of OA patients undergoing total knee replacement surgery according to K.L. Image Criterion (the white arrow indicates joint space and the red arrow indicates osteophyte spur); (B) The expression of collagen II in human OA chondrocytes using immunohistochemistry assay (magnification 100 \times).