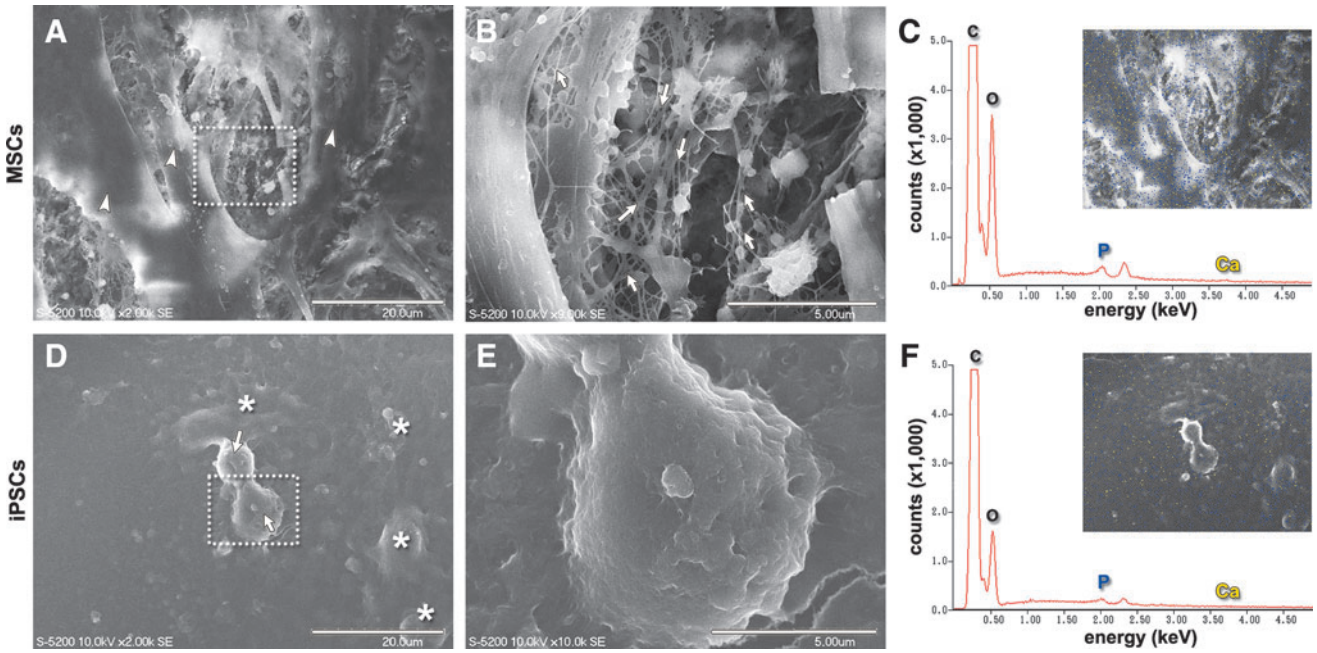
Supplementary Data



SUPPLEMENTARY FIG. S1. Scanning electron microscopy (SEM) observation of mesenchymal stem cells (MSCs) and induced pluripotent stem cells (iPSCs) cultured in the growth medium (nonosteogenic induction medium) for 30 days. **(A)** MSCs maintained a long spindle shape (*arrowheads*). Scale bar: 20 μm. **(B)** Magnification of the *dotted square* in **(A)**. Abundant fibrous structures (*arrows*) were observed in the intracellular spaces. Scale bar: 5 μm. **(D)** iPSCs proliferated and formed a multilayer, and flat cells (*asterisks*) and rounded cells (*arrows*) were observed. Scale bar: 20 μm. **(E)** Magnification of the *dotted square* in **(D)**. The surface of the rounded cell was smooth, and vesicle accretions were not observed on the cell. Scale bar: 5 μm. **(C, F)** Energy dispersive X-ray spectroscopy (EDX) analyses of the areas shown in SEM images **(A)** and **(D)**, respectively. The EDX graph indicates energy peaks of elemental carbon (C) and oxygen (O), but lacks peaks for phosphorous (P) and calcium (Ca).