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Evaluation of two different low cell densities for the production of 3D-bioprinted cartilage substitute

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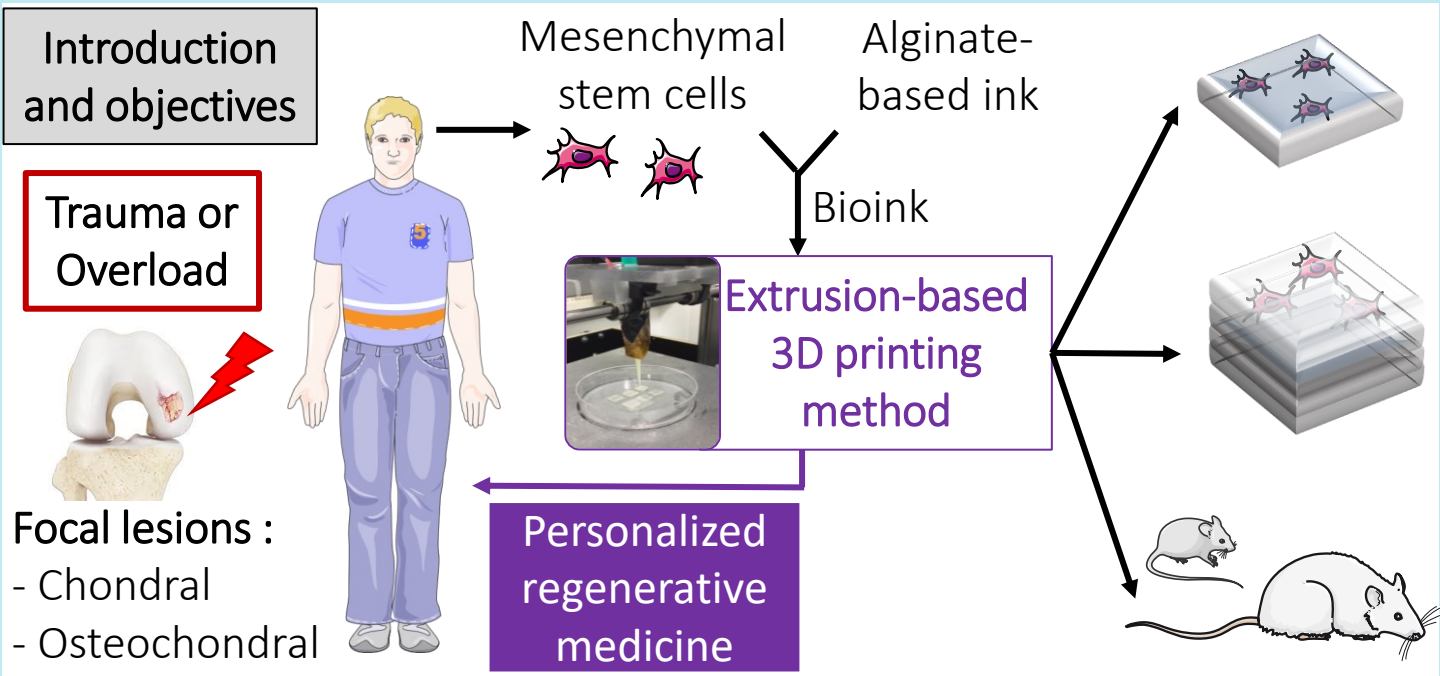
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Evaluation of two different low cell densities for the production of 3D-bioprinted cartilage substitute

Océane MESSAOUDI, C. HENRIONNET, L. POURCHET, P. GILLET, D. LOEUILLÉ, D. MAINARD, C. MARQUETTE, A. PINZANO

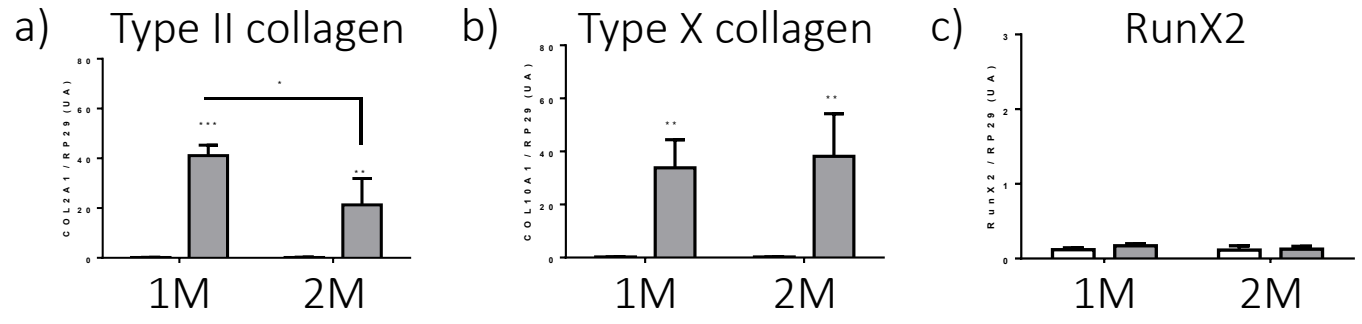


Results

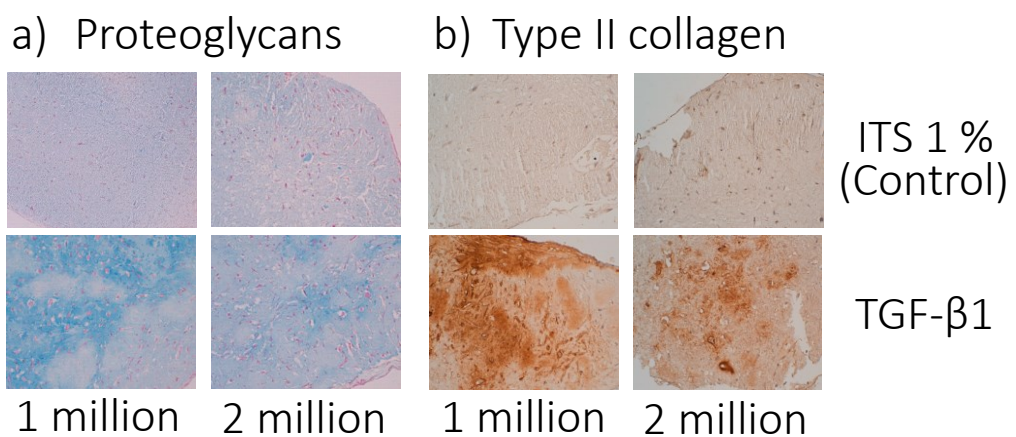
Optimization of cell density and evaluation of MSCs chondrogenesis

Densities : 1M vs 2M

1. Gene expressions of (a) chondrogenic, (b) hypertrophic and (c) osteogenic markers



2. (a) Histologic and (b) immunohistologic analyses of ECM synthesis



Conclusion

1M cells/mL