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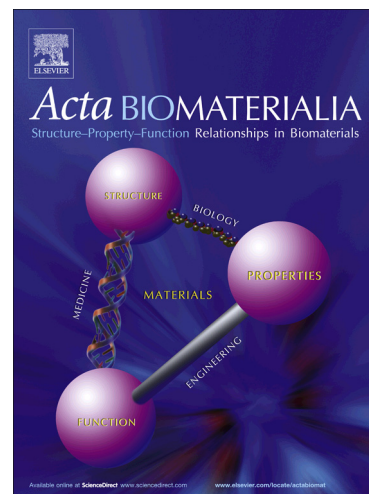
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Running head of title: *Generation of bone organ with human liposuction*

Fractionated human adipose tissue as a native biomaterial for the generation of a bone organ by endochondral ossification.

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Authors' contributions

Julien Guerrero : Study conception and design, Acquisition of data, Analysis and interpretation of data, Drafting of manuscript.

Sebastien Pigeot : Acquisition of data.

Judith Müller : Acquisition of data.

Dirk J Schaefer : Study conception and design, Analysis and interpretation of data.

Ivan Martin : Study conception and design, Analysis and interpretation of data, Drafting of manuscript.

Arnaud Scherberich : Study conception and design, Analysis and interpretation of data, Drafting of manuscript.

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Keywords: Human adipose tissue, adipose stem cells, 3D microenvironment, Cartilage, Endochondral ossification, Osteogenesis, Chondrogenesis.

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