

Title (en)

METHOD FOR ISOLATING STEM CELLS FROM CRYOPRESERVED DENTAL TISSUE

Title (de)

VERFAHREN ZUR ISOLIERUNG VON STAMMZELLEN AUS KRYOKONSERVIERTEM ZAHNGEWEBE

Title (fr)

PROCÉDÉ POUR ISOLER DES CELLULES SOUCHES D'UN TISSU DENTAIRE CRYOCONSERVÉ

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Application

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Abstract (en)

[origin: EP1748066A1] The invention relates to a method for isolating non-embryonic stem cells from a tissue that is located in immediate vicinity of immature, developing teeth or wisdom teeth. The invention further relates to non-embryonic stem cells derived from said tissue. The method according to the invention utilises a living soft tissue residing underneath the dental papilla 12 in immediate vicinity of the apical side of a developing tooth, which is clearly distinguished from other tooth tissue, such as dental papilla 12 or follicle. The pad-like tissue 16 can only be detected in a defined, specific developmental stage in an early phase of root formation. That is, identifying and separating the pad-like tissue 16 is only possible from the appearance of the bony alveolar fundus to the end of the formation of the root of the tooth.

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