

Technical Research Documents and Medical Publications for:

Cosmetic and Reconstructive Surgery

Dental pulp stem cells have been shown to differentiate into adipocytes – fat cells. While most people are trying to get rid of fat from their bodies, fat is a useful tissue in reconstructive surgery after mastectomy and cosmetic surgery.

PAPER 1

In vivo evaluation of human dental pulp stem cells differentiated towards multiple lineages.

Zhang W, Walboomers XF, Van Kuppevelt TH, Daamen WF, Van Damme PA, Bian Z, Jansen JA.

J Tissue Eng Regen Med. 2008 Mar-Apr;2(2-3):117-25. PMID: 18338838

<http://www.ncbi.nlm.nih.gov/pubmed/18338838>

Dental pulp stem cells could be used to heal wounds due to injury, surgery, infection, and disease.

PAPER 2

Human Deciduous Teeth Dental Pulp Cells With Basic Fibroblast Growth Factor Enhance Wound Healing of Skin Defect.

Nishino Y, Ebisawa K, Yamada Y, Okabe K, Kamei Y, Ueda M.

J Craniofac Surg. 2011 Mar 9. [Epub ahead of print]. PMID: 21403563

<http://www.ncbi.nlm.nih.gov/pubmed/21403563>

PAPER 3

Stem cells from human exfoliated deciduous teeth (SHED) enhance wound healing and the possibility of novel cell therapy.

Nishino Y, Yamada Y, Ebisawa K, Nakamura S, Okabe K, Umemura E, Hara K, Ueda M.

Cytotherapy. 2011 Feb 22. [Epub ahead of print]. PMID: 21341975

<http://www.ncbi.nlm.nih.gov/pubmed/21341975>