

Technical Research Documents and Medical Publications for:

Damaged Organs

Dental pulp stem cells may one day be used to treat liver disease caused by infection and inflammation (hepatitis), congenital liver disease, and alcoholism.

PAPER 1:

High-purity Hepatic Lineage Differentiated from Dental Pulp Stem Cells in Serum-free Medium

Ishkitiev, Nikolay, et al. "High-purity Hepatic Lineage Differentiated from Dental Pulp Stem Cells in Serum-free Medium." *Journal of Endodontics* (2012).

<http://www.sciencedirect.com/science/article/pii/S009923991101418X>

PAPER 2:

Multipotent cells from the human third molar: feasibility of cell-based therapy for liver disease.

Ikeda E, Yagi K, Kojima M, Yagyuu T, Ohshima A, Sobajima S, Tadokoro M, Katsube Y, Isoda K, Kondoh M, Kawase M, Go MJ, Adachi H, Yokota Y, Kirita T, Ohgushi H.

Differentiation. 2008 May;76(5):495-505. Epub 2007 Dec 17. PMID: 18093227

<http://www.ncbi.nlm.nih.gov/pubmed/18093227>

PAPER 3:

1st Trachea Transplant From Stem Cells. Doctors Use Patient's Stem Cells to Prepare Donor's Trachea

A woman's own MSC's were used to grow a transplant trachea.

WebMD Health News; By Miranda Hitti

<http://www.webmd.com/news/20081119/1st-trachea-transplant-from-stem-cells>

PAPER 4:

Multifaceted neuro-regenerative activities of human dental pulp stem cells for functional recovery after spinal cord injury.

Yamamoto A, Kiyoshi Sakai, Kohki Matsubara, Fumiya Kano, Minoru Ueda.

Neuroscience research (2013). Jan;78:16-20. PMID:24252618.

<http://www.ncbi.nlm.nih.gov/pubmed/24252618>

PAPER 5:

Human dental pulp-derived stem cells promote locomotor recovery after complete transection of the rat spinal cord by multiple neuro-regenerative mechanisms.

Sakai, Kiyoshi, et al. "Human dental pulp-derived stem cells promote locomotor recovery after complete transection of the rat spinal cord by multiple neuro-regenerative mechanisms." *The Journal of Clinical Investigation* 122.1 (2012): 80. PMID: 22133879

<http://www.ncbi.nlm.nih.gov/pubmed/22133879>

PAPER 6:

Integration of neuronally predifferentiated human dental pulp stem cells into rat brain in vivo.

Király M, Kádár K, Horváthy DB, Nardai P, Rácz GZ, Lacza Z, Varga G, Gerber G.

Neurochem Int. 2011 Jan 8. [Epub ahead of print]. PMID: 21219952

<http://www.ncbi.nlm.nih.gov/pubmed/21219952>

PAPER 7:

Human dental pulp cells: a new source of cell therapy in a mouse model of compressive spinal cord injury.

De Almeida FM, Marques SA, Ramalho Bdos S, Rodrigues RF, Cadilhe DV, Furtado D. *J Neurotrauma* (2011). PMID: 21609310

<http://www.ncbi.nlm.nih.gov/pubmed/21609310>