

25th Global Dentists and Pediatric Dentistry Annual Meeting

April 25-26, 2019 | Rome, Italy

Dental stem cells-invest in your future

Swadeepa Reddy Banala

Dr Ntr University Of Health Sciences, India

Stem cells are undifferentiated cells, capable of renewing themselves, with the capacity to produce different cell types to regenerate missing tissues and treat diseases. Teeth are the most natural, non-invasive source of stem cells. Dental stem cells offer a very promising therapeutic approach to restore structural defects. This review will focus on the various intraoral-derived stem cells and their clinical application.



Recent Publications

1. Aggarwal V et al. Does the volume of supplemental intraligamentary injections affect the 1. Yao S, Pan F, PRIC V, Wise GE. Differentiation of stem cells in the dental follicle. J Dent Res .2008.
2. D' Aquino R, De Rosa A, Lanza V, et al. Human mandible bone defect repair by the grafting of dental pulp stem cells. 2009.
3. B. Yang, G. Chen, J. Li et al., "Tooth root regeneration using dental follicle cell sheets in combination with a dentin matrix – based scaffold"2012.
4. E. Ikeda and T. Tsuji, "Growing bioengineered teeth from single cells: Potential for dental regenerative medicine" 2008.
5. M. Kaku, H. Kamada, T. Kawata et al., "Cryopreservation of periodontal ligament cells with magnetic field for tooth banking," Cryobiology, vol. 61, no. 1, pp.73-88, 2010

Biography

Swadeepa Reddy Banala have always been passionate about being a doctor since her childhood, later on she was more interested towards oral health care, which led her to pursue her Bachelors in Dental Surgery. During her first year of dentistry she taught tooth morphology and wax carvings of each tooth which made her realize dentistry is also about being good at hand crafting. A professor of hers once said "Dentistry is a combination of art and science" which made her fall in love with the subject and clinical work. She always had keen interest to learn about recent advances and keeping myself updated with the researches in the field of dentistry.

swadeepareddybanala@gmail.com