Magdy K Hamam, Oral Health Dent Manag 2016, 15:8(Suppl)
http://dx.doi.org/10.4172/2247-2452.C1.042

Stem cells: Boon to dentistry and medicine

Magdy K Hamam
King Saud University, Saudi Arabia

This is an overview about stem cells. It includes legislative history, basics, sources, the difference between embryonic, adult stem cells & pluripotent cells. The review will touch the Obstacles, complications, & challenges, of stem cells applications. Tooth bioengineering & nanotechnology had modified the role of stem cells. The implications for dentistry includes Dental Pulp Stem Cells (DPSCs), Stem Cells from Exfoliated Deciduous Teeth (SHEDs), Periodontal Ligament Stem Cells (PDLSCs), Stem Cells from Apical Papillae (SCAP), Dental Follicle Progenitor Cells (DFPCs) and Bone Marrow Mesenchyme Stem Cells (BMMSC). Researchers have proved that teeth are good sources for human dental stem cells /progenitor cells. Finally in August 2009 at Tokyo University, researchers reported that Mouse tooth grown from stem cells in mouth.

Biography

Magdy K Hamam is currently working as a Professor and Head of Division Oral Medicine and Diagnostic Sciences at College of Dentistry, King Saud University, Saudi Arabia.

mkkhaled58@hotmail.com

Notes: