

11<sup>th</sup> Asia Pacific Congress on

# Dental and Oral Health

July 25-27, 2016 Bangkok, Thailand

## Various types of dental stem cells and their potential applications

Mohammad Reza Hajiani-Asl<sup>1</sup>, Parviz Farzadinia<sup>1</sup> and Ali Hosseini Bereshneh<sup>2</sup><sup>1</sup>Bushehr University of Medical<sup>2</sup>Tehran University of Medical Sciences, Iran

Dental stem cells like all other types of stem cells are undifferentiated cells which means, they have no any tissue-specific construction. Dental Stem cells are kind of multipotent cells which mean this type of unique cells can differentiation into the different type's cell from all organs; and they have the Self-renewal potential which means they can produce the exact same cells to conserve the interminable of the resource. Dental Stem cells are easily accessible and lower tendency to malignancy than other types of stem cells. There are two types of stem cells; Embryonic Stem Cells and Adult Stem Cells. Dental Stem Cells are one of the significant types of Adult Stem cells and originated and isolated from different oral and maxillofacial area. These stem cells characterized according their source; the most important categories are Dental pulp stem cells (DPSCs) which originate from tooth pulp and can producing ectopic dentin in the immunocompromized mice, Stem cells from exfoliated deciduous teeth (SHED) which isolated from deciduous teeth, Periodontal ligament stem cells (PDLSCs) which originate from periodontal ligament, Stem cells from apical papilla (SCAP) which originate from apical papilla and capable to form odontoblast like cells and Dental follicle progenitor cells (DFPCs) which originate from dental follicle. The advantages of various types of Dental Stem Cells are; high plasticity, Perfect for stem cell banking (cryopreserved for long time), acceptable interaction with growth factors and etc. these cells can be used for bone repair, salivary glands repair, teeth regeneration and etc.

[mra9001@yahoo.com](mailto:mra9001@yahoo.com)

## Monitoring the key performance indicators in your dental office

Richard Garofolo II

University of Pennsylvania, USA

Key performance indicators are used in nearly every industry as a way to judge performance and identify areas in which your business can improve. Dental offices have ignored KPI's for many years while other industries have proven that monitoring these performance indicators can have a significant effect on the business' bottom line. We will examine 40 Key Performance Indicators that every dental office should be looking at on a daily, weekly or monthly basis and the easiest way to calculate these numbers using the reports that your PMS will generate for you. When you think about new patients, are you looking at the NET number of patients you gained or lost in a month? Most offices see only the new ones coming out but never look at the ones that have fallen off of the hygiene schedule and disappear. Most offices are LOSING patients each month, even if they are getting 40 new patients a month. What is your downtime percentage for each provider in your office? What is your treatment plan acceptance rate? What are your overhead percentages for each of the 6 expense classes in a dental office? All these questions and more will be answered in this interactive class designed for dentists, practice owners, offices managers, front desk staff, and all team members in your dental office.

[rick@practicemechanic.com](mailto:rick@practicemechanic.com)