

Differentiation Of Dental Pulp Stem Cells Into Neural Progenitor Cells

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Abstract

The main purpose in stem cell research is to find an available source for getting progenitors cells because they are able to give rise to other cells. Among these cells, dental pulp, entrapped with the pulp chamber, is a rich site for stem cell collection. These stem cells are called dental pulp stem cells. They are defined as loose connective tissues that can play a supporting, feeding and defending role. Our observation indicated that it was possible to use dental pulp cells for providing other cells like nerve cells. The aim of this study was to isolate dental pulp Stem cells and differentiate to yield nerve cells. In the future, these cells can be used in Regenerative Medicine.

Key Words: Stem Cell, Progenitor Cells, Pulp Chamber