

Cell based therapies in neurological diseases

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Abstract

Cell therapy is a field which has undergone tremendous expansion in recent years. A search in PubMed of the research studies on this particular subject shows an increase of up to 30,000 per year, over the past 12 years. Cell therapy is based on the idea that exogenous administration of stem cells will provide protection of the partially damaged cells and stimulate the endogenous mechanisms of tissue repair. The author presents data about characterization of stem cells, mechanisms of action and special features of mesenchymal stem cells.

Key words: mesenchymal stem cells, neuroprotection, neuroregeneration

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