

Human Stem Cell-Derived Neural Precursors for Treatment of CNS Autoimmune Disease. (Hadasit)**code:** 8-2010-84

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Unmet need:

CNS-related autoimmune diseases like multiple sclerosis (MS) pose a great challenge for treatment for a large part of the world and are in need for novel therapies.

Innovation:

Use of human stem cells (HSCs) for the production of neuronal precursors for the treatment of autoimmune diseases.

Product/application:

The invention provides methods for obtaining populations of cells, namely, neural precursor cells committed to an oligodendroglial fate as well as differentiated oligodendrocytes

The invention can be applied for the treatment of CNS-related autoimmune diseases, especially MS, where the population of cells is administered to the CNS for local treatment.

Competitive advantage:

The CNS-related autoimmune market poses a substantial unmet medical need because the existing therapies only provide a partial answer, which make opportunities of using cell therapy an attractive opportunity.

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