

Title (en)

A METHOD FOR TRANSPLANTING CELLS INTO THE BRAIN AND THERAPEUTIC USES THEREFOR.

Title (de)

METHODE ZUR TRANSPLANTATION VON ZELLEN INS GEHIRN UND THERAPEUTISCHE VERWENDUNGEN DAVON.

Title (fr)

PROCEDE DE TRANSPLANTATION DE CELLULES DANS LE CERVEAU ET UTILISATIONS THERAPEUTIQUES DE CE PROCEDE.

Publication

**EP 0673259 A1 19950927 (EN)**

Application

**EP 93904541 A 19930121**

Priority

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Abstract (en)

[origin: WO9314790A1] A method for grafting a cell in the brain of a mammalian subject is accomplished by attaching the cell to a support matrix so that the cell attaches to the matrix surface, and implanting the support matrix with the attached cell into the brain. Preferred support matrices are glass or plastic microbeads, either solid or porous, having a diameter from about 90 to about 125  $\mu$ m. The method employs cells of different types, preferably cells of neural or paraneural origin, such as adrenal chromaffin cells. Also useful are cell lines grown in vitro. Cells not of neural or paraneural origin, such as fibroblasts, may also be used following genetic alteration to express a desired neural product such as a neurotransmitter or a neuronal growth factor. The method is used to treat neurological diseases such as Parkinson's disease, Alzheimer's disease, Huntington's disease, epilepsy, and traumatic brain injury.

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