

Title (en)

METHODS OF TREATING SPINAL CORD INJURY AND MINIMIZING SCARRING

Title (de)

VERFAHREN ZUR BEHANDLUNG VON RÜCKENMARKSVERLETZUNGEN UND MINIMIERUNG VON NARBENBILDUNG

Title (fr)

PROCÉDÉS POUR TRAITER UNE LÉSION DE LA MOELLE ÉPINIÈRE ET POUR MINIMISER L'ÉTENDUE DE LA CICATRISATION

Publication

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Application

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Abstract (en)

[origin: WO2007145889A1] The invention is directed to methods of promoting the healing of spinal cord injury. The invention is further directed to methods of minimizing the extent of scarring following spinal cord injury. Such methods utilize novel compositions, including but not limited to extraembryonic cytokine secreting cells (herein referred to as ECS cells), including, but not limited to, amnion-derived multipotent progenitor cells (herein referred to as AMP cells) and conditioned media derived therefrom (herein referred to as amnion-derived cellular cytokine suspension or ACCS), each alone or in combination with each other and/or other agents.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XDI] SANKAR V ET AL: "Role of human amniotic epithelial cell transplantation in spinal cord injury repair research.", NEUROSCIENCE, vol. 118, no. 1, 25 April 2003 (2003-04-25), pages 11 - 17, XP002562017, ISSN: 0306-4522
- [A] UCHIDA S ET AL: "NEUROTROPHIC FUNCTION OF CONDITIONED MEDIUM FROM HUMAN AMNIOTIC EPITHELIAL CELLS", JOURNAL OF NEUROSCIENCE RESEARCH, WILEY-LISS, US, vol. 62, no. 4, 15 November 2000 (2000-11-15), pages 585 - 590, XP001029688, ISSN: 0360-4012
- [XDP] WU ZHI-YUAN ET AL: "Transplantation of human amniotic epithelial cells improves hindlimb function in rats with spinal cord injury.", CHINESE MEDICAL JOURNAL 20 DEC 2006, vol. 119, no. 24, 20 December 2006 (2006-12-20), pages 2101 - 2107, XP002562018, ISSN: 0366-6999
- See references of WO 2007145889A1

Citation (examination)

- WO 2006105152 A2 20061005 - STEMNION LLC [US], et al
- DE CASTRO M ET AL: "Evaluation of human serum albumin as a substitute of foetal bovine serum for cell culture", INTERNATIONAL JOURNAL OF PHARMACEUTICS, ELSEVIER BV, NL, vol. 310, no. 1-2, 9 March 2006 (2006-03-09), pages 8 - 14, XP025113345, ISSN: 0378-5173, [retrieved on 20060309], DOI: 10.1016/J.IJPHARM.2005.10.028
- SAKURAGAWA N ET AL: "EXPRESSION OF MARKERS FOR BOTH NEURONAL AND GLIAL CELLS IN HUMAN AMNIOTIC EPITHELIAL CELLS", NEUROSCIENCE LETTERS, LIMERICK, IE, vol. 209, 1 January 1996 (1996-01-01), pages 9 - 12, XP000983495, ISSN: 0304-3940, DOI: 10.1016/0304-3940(96)12599-4
- NORIO SAKURAGAWA ET AL: "Evidence for active acetylcholine metabolism in human amniotic epithelial cells: applicable to intracerebral allografting for neurologic disease", NEUROSCIENCE LETTERS, vol. 232, no. 1, 1 August 1997 (1997-08-01), pages 53 - 56, XP055062974, ISSN: 0304-3940, DOI: 10.1016/S0304-3940(97)00570-3

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