

Use of oligodendrocytes derived from neuroectodermal oral stem cells for central nervous system repair



Pathology : Cranial traumas cause myelin loss at the brain or facial nerves level and may result in dysfunctional facial features . Many researches in the cellular therapy field aim at oligodendrocytes grafts to restore myelin loss.



Medical care : Pr Gogly's team is the first to highlight the presence of GMC derived from the neuroectoderm tissue, which are used as a potential source for oligodendrocytes.



Innovation GSC are meant to be used in autologous graft which significantly reduce the risk of graft rejection. In addition GSC are easy to access and only need a small incision in the gum which heals very fast. It has been demonstrated that five steps are necessary to obtain fully fonctionnal oligodendrocytes.

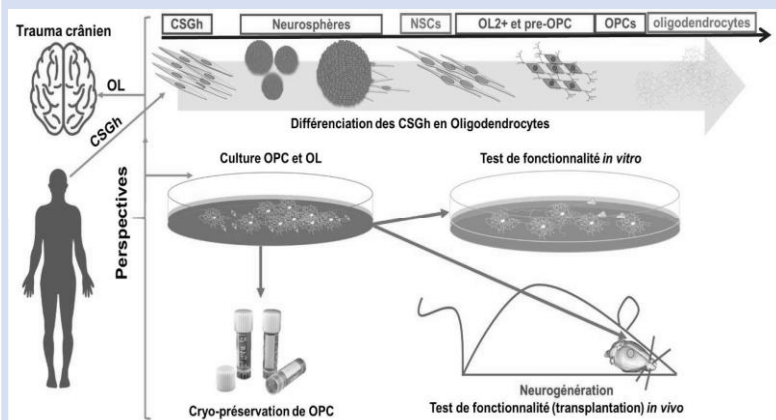


Market ≈ 340 traumas for 100 000 people including 13 severe traumas worldwide. Cranial traumas are one of the main causes for morbidity and mortality among young adults.

Intellectual property

[PCT/EP2019/082967](#)

(Priority: 06/05/2021)



Hospitalizations per 100K in a year in Europe



Deaths per 100K in a year in Europe



Hospitalizations per 100K in a year in France

Contact:

Julien Matricon, chief BD
Pierre-Antoine Charier, PharmD

+33 (0)1 44 84 17 18

julien.matricon@aphp.fr

pierre-antoine.charier@aphp.fr