Short Communication

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Retinal Stem Cells Reprogramming

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A new therapeutic method of Regenerative Ophtalmic Medicine. A Homotoxicological Pharmaceutical blend therapy through retrobulbar injections. The author reports his experience derived,10 years ago, from his first Autologous Stem Cells live explanation from “Mallow Bone” (through the Hip) and re-implantation into the retrobulbar fat of the Eye. To define a new concept of “Re-Informational Therapy” for “Rigenerative Ophtalmic Medicine” using a system for “Reformatting” - Pathological Eye Tissues as Retina or Uvea or Cornea or Optic Nerve through the therapeutical “Re-regulation”of affected Tissues of the inner Eye no more capable to spontaneously regulate its normal biological functions. Author report his capability to stimulate the regeneration not only of Autologous Eye Stem Cells but also unwillingly of “ Totipotent “Autologous Stem Cells having cured Anosmia cases and Acustic nerve deficiency cases while I was curing optic nerve, retina or uvea or Cornea pathologies. I could in this work also define the complete real mechanism of formation transportation and storage of biological infos through the water memory giving a definition of the whole computer like biological life into a “Multiverso” that it is the multidimensional olografic Universe. Pluripotent stem cells (PSCs), by definition, area unit ready to differentiate into all endodermal, mesoblastic and germ layer lineages. Human embryonic stem cells (hESCs) were initial civilised in 1998 and have the potential to differentiate into all cell varieties (Figure 1). they’re a promising supply for stem cell-based medical care however, like craniate ascendent cells, raise potential moral issues. iatrogenic pluripotent stem cells (iPSCs) area unit a subtype of pluripotent stem cells that originate from a differentiated cell supply, like skin fibroblasts or blood cells (Figure 2); they will be thought-about less disputable, and will negate some medical specialty problems related to hESC-based therapies. corporeal stem cells, like bone marrow, adipose, central systema nervous and point stem cells, area unit completely different than ESC- or iPSC-based therapies as a result of they’re not pluripotent, however will generate a number of the cell sorts of their host organ. whereas they ordinarily assume a regenerative role in their host organ (i.e., membrane anatomical structure animal tissue stem cells), corporeal vegetative cells generally assume a organic process role in stem cell medical care.

It seems that the attention may be a sensible candidate for vegetative cell clinical analysis, given the unmet therapeutic want, the comparatively immune-privileged website and therefore the clear ocular media that facilitates direct visualisation of transplanted cells. what is more, the dimensions of the attention needs smaller quantities of therapeutic tissue as compared to alternative organs.

In the eye, stem cells will doubtless serve 2 completely different therapeutic roles: regenerative or organic process. as an example, stem cells have the potential to interchange or regenerate tissue, like retinal neural structure cells in eye disease, or retinal pigment animal tissue in rubor pigmentosa or AMD-related geographic atrophy (GA). they will as an alternative or at the same time assume a organic process role, manufacturing growth factors and cytokines, like brain-derived neurotrophic issue, that have a corroborative paracrine impact on native structures at intervals the macula. (It’s value noting that almost all current approaches mistreatment corporeal stem cells to treat retinal unwellness use associate intravitreal delivery methodology, in distinction to subretinal transplantation.

Note: Joint Event on 3rd Edition of International Conference on Eye and Vision & 2nd International Conference and Expo on Advanced Eye Care and Cataract