



Treating the ailing pain patients with regenerative medicine Using MSC

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Abstract:

The current scenario of treating the pain patients are mostly related to surgical corrections such as knee replacement, hip replacement, spinal Injury corrections by means of respective surgical procedures. Such surgical procedures can be avoided, if regenerative procedures can be adopted to such patients. Even cracked Shoulder was treated using the regenerative procedures. These procedures are totally autologous, and can be done on clinics kind of place. Operation theatre is not required. Clinician can able to treat such patients in their clinic itself using this kind of technology. Fat is chosen as treating media and can be processed by using semi-Automatic centrifuges and incubation units and are processed. Adipose tissue-derived stem cells (ADSCs) are mesenchymal cells with the capacity for self-renewal and multipotential differentiation. This multipotentiality allows them to become adipocytes, chondrocytes, myocytes, osteoblasts and neurocytes among other cell lineages. Stem cells and, in particular, adipose tissue derived cells, play a key role in reconstructive or tissue engineering medicine as they have already proven effective in developing new treatments. The purpose of this work is to review the applications of ADSCs in various areas of regenerative medicine, as well as some of the risks associated with treatment with ADSCs in neoplastic disease.

Biography:

Dr K G Pillai has completed his PhD at the age of 33 years from University of California, Berkley. There after worked with Medical Equipment companies in New Delhi and Bangalore in India. He was the Director of Technical Services at Span Healthcare Private Limited and was published more than 15 Papers in reputed Journals and has been in advisory board



Publication of speakers:

- K.G.Pillai et al ; The expansion in lymphoid organs of IL-4+ BATF+ T follicular helper cells is linked to IgG4 class switching in vivo, 2018 Apr 5
- K.G.Pillai et al ; Methylation of Structured RNA by the m6A Writer METTL16 Is Essential for Mouse Embryonic Development, 2018 Sep 20
- K.G.Pillai et al ; Will Imaging Individual Raphe Nuclei in Males with Major Depressive Disorder Enhance Diagnostic Sensitivity and Specificity?, 2018 Jan 24
- K.G.Pillai et al ; Relations between cortical thickness, serotonin 1A receptor binding, and structural connectivity: A multimodal imaging study, 2017 Nov 27
- K.G.Pillai et al ; Examining the Underpinnings of Loudness Dependence of Auditory Evoked Potentials with Positron Emission Tomography, 2020 Mar 10

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