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Mesenchymal Stromal Cells Secretome in Liver Failure: Perspectives on COVID-19 Infection Treatment

MSC Treatment in Liver Failure for COVID-19 Infection

Abstract

Due to their immunomodulatory potential and release of trophic factors that promote healing, mesenchymal stromal cells (MSCs) are considered important players in tissue homeostasis and regeneration. MSCs have been widely used in clinical trials to treat multiple conditions associated with inflammation and tissue damage. Recent evidence suggests that most of the MSC therapeutic effects derive from their secretome, including the extracellular vesicles (EVs), these latter representing a promising approach in regenerative medicine applications to treat organ failure as a result of

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In response to the global burden of **liver disease** there has been a commensurate increase in the demand for **liver** transplantation. However, due to a paucity of donor organs many centers have moved toward the routine use of marginal allografts, which can be associated with a greater risk of complications and poorer clinical outcomes. **Mesenchymal stromal cells** (MSC) are a multi-potent progenitor ...

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