# Title of metanalysis : Efficacy and safety of mesenchymal stem cell therapy in liver cirrhosis: a systematic review and meta-analysis

ID of metanalysis: 19

Search terms:

("Liver Cirrhosis"[MeSH Terms] OR ("hepatic cirrhosis"[Title/Abstract] OR "cirrhosis hepatic"[Title/Abstract] OR "cirrhosis liver"[Title/Abstract] OR "fibrosis liver"[Title/Abstract] OR "liver fibrosis"[Title/Abstract])) AND ("Mesenchymal Stem Cells"[MeSH Terms] OR ("stem cell mesenchymal"[Title/Abstract] OR "mesenchymal stem cell"[Title/Abstract] OR "stem cells mesenchymal"[Title/Abstract] OR "bone marrow mesenchymal stem cells"[Title/Abstract] OR "bone marrow mesenchymal stem cell"[Title/Abstract] OR "bone marrow stromal cells"[Title/Abstract] OR "bone marrow stromal cell"[Title/Abstract] OR "bone marrow stromal cells multipotent"[Title/Abstract] OR "multipotent bone marrow stromal cell"[Title/Abstract] OR "multipotent bone marrow stromal cells"[Title/Abstract] OR "adipose derived mesenchymal stem cells"[Title/Abstract] OR "adipose derived mesenchymal stem cells"[Title/Abstract] OR "adipose derived mesenchymal stromal cells"[Title/Abstract] OR "adipose derived mesenchymal stromal cells"[Title/Abstract] OR "mesenchymal stem cells adipose derived"[Title/Abstract] OR "mesenchymal stem cells adipose derived"[Title/Abstract] OR "adipose derived mesenchymal stem cell"[Title/Abstract] OR "adipose derived mesenchymal stem cell"[Title/Abstract] OR "adipose tissue derived mesenchymal stem cell"[Title/Abstract] OR "adipose tissue derived mesenchymal stem cell"[Title/Abstract] OR "adipose tissue derived mesenchymal stem cells"[Title/Abstract] OR "adipose tissue derived mesenchymal stem cells"[Title/Abstract] OR "adipose tissue derived mesenchymal stromal cells"[Title/Abstract] OR "adipose tissue derived mesenchymal stromal cells"[Title/Abstract] OR "adipose tissue derived mesenchymal stromal cell"[Title/Abstract] OR "adipose tissue derived mesenchymal stromal cell"[Title/Abstract] OR "mesenchymal stromal cells"[Title/Abstract] OR "mesenchymal stromal cell"[Title/Abstract] OR "stromal cell mesenchymal"[Title/Abstract] OR "stromal cells mesenchymal"[Title/Abstract] OR "multipotent mesenchymal stromal cells"[Title/Abstract] OR "multipotent mesenchymal stromal cell"[Title/Abstract] OR "mesenchymal stromal cells multipotent"[Title/Abstract] OR "mesenchymal progenitor cell"[Title/Abstract] OR "mesenchymal progenitor cells"[Title/Abstract] OR "progenitor cell mesenchymal"[Title/Abstract] OR "progenitor cells mesenchymal"[Title/Abstract] OR "wharton jelly cells"[Title/Abstract] OR "wharton s jelly cells"[Title/Abstract] OR "wharton s jelly cell"[Title/Abstract] OR "whartons jelly cells"[Title/Abstract] OR "bone marrow stromal stem cells"[Title/Abstract]))

Search Date: systematically searched for eligible studies until May 2023

Included studies:

|  |  |
| --- | --- |
| Study title | Pubmed ID |
| Phase II trial: undifferentiated versus differentiated  autologous mesenchymal stem cells transplantation in egyptian patients with HCV induced liver cirrhosis. | * **21989829** |
| A study about immunomodulatory effect and efficacy and prognosis of human umbilical cord mesenchymal stem cells in patients with chronic hepatitis B-induced decompensated liver cirrhosis. | * **29293276** |
| Randomized placebo-controlled trial of mesenchymal stem cell transplantation in decompensated cirrhosis. | * **23763455** |
| Autologous bone marrow mesenchymal stem cell transplantation in liver failure patients caused by hepatitis B: short-term and long-term outcomes. | * **21608000** |
| Transplantation with autologous bone marrow-derived mesenchymal stem cells for alcoholic cirrhosis: phase 2 trial. | * **27339398** |
| Clinical and laboratory evaluation of patients with end-stage liver cell failure injected with bone marrow-derived hepatocyte-like cells. | * **21900788** |
| Outcomes of autologous bone marrow mononuclear cell transplantation in decompensated liver cirrhosis. | * **25024623** |
| Human umbilical cord blood-derived mesenchymal stem cell transplantation for patients with decompensated liver cirrhosis. | * **36703021** |
| Mesenchymal stem cell therapy in decompensated liver cirrhosis: a long-term follow-up analysis of the randomized controlled clinical trial. | * **34843069** |
| Human umbilical cord mesenchymal stem cells improve liver function and ascites in decompensated liver cirrhosis patients. | * **22320928** |