Web appendix

Search strategy:

**Medline (PubMed)**
#1 liver
#2 liver [MeSH Terms]
#3 liver diseases [MeSH Terms]
#4 #1 or #2 or #3
#5 “mesenchymal stem cell*”
#6 “multipotent stromal cell*”
#7 “Mesenchymal Stromal Cells” [Mesh]
#8 "Mesenchymal Stem Cell Transplantation" [Mesh]
#9 #5 or #6 or #7 or #8
#10 #4 and #9 filters: clinical trial

**Cochrane Library**
#1 MeSH descriptor: [Mesenchymal Stromal Cells] explode all trees
#2 “mesenchymal stem cell*” or “multipotent stromal cell*”
#3 (#1 or #2)
#4 MeSH descriptor: [Liver Diseases] explode all trees
#5 hepatitis or "hepatic fibrosis" or "liver fibrosis" or "liver cirrhosis" or "Liver Neoplasm*" or "Liver Failure" or "Fatty Liver" or "Liver Abscess" or "Liver Injury"
#6 liver
#7 MeSH descriptor: [Liver] explode all trees
#8 (#4 or #5 or #6 or #7)
#9 (#3 and #8)

**EMBASE**
#1 “mesenchymal stem cell” /exp OR “mesenchymal stem cell”
#2 “liver” /exp OR “liver”
#3 #1 AND #2

**SinoMed CBM**
((“mesenchymal stem cell*” [unweighted: extension]) OR “multipotent stromal cell*” [unweighted: extension]) OR “totipotential stem cell” [unweighted: extension]) AND “liver diseases” [unweighted: extension]

**ClinicalTrials.gov**
“Mesenchymal stem cells” and “liver” |studies with Results