

# Pharmaceutical Interventions for Inpatients with Liver Cirrhosis and Liver Transplantation: A Systematic Review of Experimental Studies

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Database	Search term
Medline	"Liver cirrhosis"[MeSH Terms] OR "Liver Transplantation"[MeSH Terms] OR ("liver*" [Title/Abstract] AND "cirrhos*" [Title/Abstract]) OR ("liver" [Title/Abstract] AND "transplant*" [Title/Abstract]) AND ("pharmacists"[MeSH Terms] OR "pharmaceutical services"[MeSH Terms] OR "pharmacist*" [Title/Abstract] OR "transplant pharmacist" [Title/Abstract] OR "Medicines Management" [Title/Abstract] OR "Medicines Optimisation" [Title/Abstract] OR "Medicines Optimization" [Title/Abstract])
Embase	('liver transplantation'/exp OR 'liver'/exp OR 'liver disease'/exp) AND ('pharmacist'/exp OR 'clinical pharmacy'/exp OR 'hospital pharmacy'/exp)
CENTRAL	<p>ID      Search</p> <p>#1      MeSH descriptor: [Liver Transplantation] explode all trees</p> <p>#2      ("liver transplant" or "liver transplantation" or "hepatic transplantation"):ti,ab,kw (Word variations have been searched)</p> <p>#3      MeSH descriptor: [Liver Cirrhosis, Biliary] explode all trees</p> <p>#4      ("liver" AND "cirrhosis"):ti,ab,kw (Word variations have been searched)</p> <p>#5      MeSH descriptor: [Pharmacists] explode all trees</p> <p>#6      MeSH descriptor: [Professional-Patient Relations] explode all trees</p> <p>#7      ("pharmacist"):ti,ab,kw OR (clinical pharmacist):ti,ab,kw OR (hospital pharmacist):ti,ab,kw OR ("pharmacare"):ti,ab,kw OR ("medication therapy management"):ti,ab,kw (Word variations have been searched)</p> <p>#8      #1 OR #2 OR #3 OR #4</p> <p>#9      #5 OR #6 OR #7</p> <p>#10     #8 AND #9</p>

**Supplement Table S1.** Search terms that were used for this systematic review, adapted to each database.

1	No author details and/or abstract available
2	Duplicate
3	Meeting/ Conference abstract/ Case report
4	outpatient setting
5	Does not include Liver transplant/ Cirrhotic patients
6	Includes pediatric patients not separated from adult patients
7	Does not include DRP
8	Does not include pharmacist intervention
9	Other, specify

**Supplement Table S2.** Nine exclusion criteria for abstract screening. DRP= Drug-related problem.