

SUPPLEMENTARY MATERIALS

Inclusion and exclusion criteria of the study

Included studies were required to satisfy each of the following criteria: (1) the study examined the independent parameters (including liver stiffness measured by transient elastography and/or platelet count) of clinically significant portal hypertension (CSPH) and reported the odds ratios (ORs) and corresponding 95% confidence intervals (CIs) of these independent parameters; (2) measurement of the hepatic venous pressure gradient (HVPG) was used as the reference method; and (3) the study design was a prospective or retrospective cohort design.

The exclusion criteria were as follows: (1) reviews, editorials, conference abstracts, and letters; (2) studies unrelated to the topic; (3) data incomplete or no HVPG. Supplementary Figure 1. displays the study flow diagram.

PubMed/MEDLINE Search strategy.

- #1 "Hypertension, Portal"[Mesh]
- #2 portal hypertension[Title/Abstract]
- #3 #1 OR #2
- #4 "Elasticity Imaging Techniques"[Mesh]
- #5 Elasticity Imaging Techniques[Title/Abstract]
- #6 elastography[Title/Abstract]
- #7 elastograph[Title/Abstract]
- #8 FibroScan[Title/Abstract]
- #9 transient elastography[Title/Abstract]
- #10 TE[Title/Abstract]
- #11 #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
- #12 #3 AND #11
- #13 liver stiffness[Title/Abstract]
- #14 #3 AND #13
- #15 PLT[Title/Abstract]
- #16 platelet[Title/Abstract]
- #17 #15 OR #16
- #18 #3 AND #17
- #19 #12 OR #14 OR #18

Search results

A total of 2,935 records were retrieved using our search method. After removing 871 duplicates, 2,064 records were retained and initially screened. Following the titles and abstract screening, 37 studies were considered potentially relevant for further inspection. By reading the full text, 6 studies were finally included for the systematic review and meta-analysis.