

Supplement Table 1. Search strategy

| Database | MEDLINE/PubMed |
|--------------------|---|
| Publication date | 2001.01.01.–2021.12.31. |
| Strategy | #1 AND #2 AND #3 NOT #4 |
| #1 | “Carcinoma, Hepatocellular”[Mesh] OR “Liver Neoplasms”[Mesh:NoExp] OR ((Hepatocellular[TIAB] OR “liver cell”[TIAB] OR “hepatic cell”[TIAB]) AND carcinoma*[TIAB]) OR hepatocarcinoma*[TIAB] OR hepatoma*[TIAB] OR “liver carcinoma”[TIAB] OR HCC[TIAB] |
| #2 | (“Portal Vein”[Mesh] AND “Venous Thrombosis”[Mesh]) OR (Portal[TIAB] AND (Vein[TIAB] OR Venous[TIAB]) AND (thrombos*[TIAB] OR thrombus*[TIAB])) |
| #3 | English[Lang] |
| #4 | Addresses[ptyp] OR Autobiography[ptyp] OR Bibliography[ptyp] OR Biography[ptyp] OR pubmed books[filter] OR Case Reports[ptyp] OR Comment[sb] OR Congresses[ptyp] OR Consensus Development Conference[ptyp] OR Consensus Development Conference, NIH[ptyp] OR Editorial[ptyp] OR Electronic Supplementary Materials[ptyp] OR Government Publications[ptyp] OR Guideline[ptyp] OR Interactive Tutorial[ptyp] OR Interview[ptyp] OR Lectures[ptyp] OR Legal Cases[ptyp] OR Legislation[ptyp] OR Letter[ptyp] OR News[ptyp] OR Newspaper Article[ptyp] OR Patient Education Handout[ptyp] OR Personal Narratives[ptyp] OR Portraits[ptyp] OR Practice Guideline[ptyp] OR Retracted Publication[sb] OR Retraction of Publication[sb] OR Review[ptyp] OR systematic[sb] |
| Identified records | 1188 studies were identified |
| Database | Embase |
| Publication date | 2001.01.01.–2021.12.31. |
| Strategy | #1 AND #2 AND #3 AND #4 |
| #1 | 'Liver cell carcinoma'/exp OR 'Liver cancer'/de OR ((Hepatocellular OR 'liver cell' OR 'hepatic cell') NEAR/6 carcinoma*):ab,ti,kw OR (hepatocarcinoma* OR hepatoma* OR 'liver carcinoma' OR HCC):ab,ti,kw |
| #2 | 'Portal vein thrombosis'/exp OR (Portal AND (Vein OR Venous) AND (thrombos* OR thrombus*)):ab,ti,kw |
| #3 | [article]/lim OR [article in press]/lim |
| #4 | [english]/lim |
| Identified records | 716 studies were identified |
| Database | Cochrane Library |
| Publication date | 2001.01.01.–2021.12.31. |
| Strategy | (#1 OR #2 OR #3) AND (#4 OR #5 OR #6 OR #7) |
| #1 | MeSH descriptor: [Carcinoma, Hepatocellular] explode all trees |
| #2 | MeSH descriptor: [Liver Neoplasms] explode all trees |
| #3 | (hepatocellular carcinoma):ti,ab,kw |
| #4 | MeSH descriptor: [Portal Vein] explode all trees |
| #5 | MeSH descriptor: [Venous Thrombosis] explode all trees |
| #6 | (tumor thrombus):ti,ab,kw |
| #7 | (vascular invasion):ti,ab,kw |
| Identified records | 395 studies were identified |