

Clinical question:

In patients with a liver tumor, is transarterial radioembolization (TARE) using holmium isotope (¹⁶⁶Ho) a safe and efficient way of transarterial treatment?

Framework:

P: Patients with primary or secondary liver tumors undergoing radioembolization

E: TARE using holmium isotopes (¹⁶⁶Ho)

O: Tumor response rate (primary endpoint), overall survival, toxicity (secondary endpoints)

Search Key:

(liver* OR "hepatic" OR ("liver" AND tumo*) OR ("liver" AND neoplasm*) OR ("liver" AND "cancer") OR ("hepatocellular" AND "carcinoma") OR "hepatocarcinoma" OR ("hepatic" AND "cancer") OR "HCC" OR ("cholangiocellular" AND "carcinoma") OR cholangiocarcinoma* OR "ICC" OR ("liver" AND metastas*))

AND

("TARE" OR radioemboli* OR "transarterial" OR "transarterially" OR ("transarterial" AND radioemboli*))

AND

("holmium" OR ("ho" AND "166") OR "166ho")

Domain 1 refers to: Patient population

Domain 2 refers to: Intervention

Domain 2 refers to: Holmium-166

Time of search:

2023.11.01.

Updated: 2024.06.05.

Name of database, settings, and the number of results

PubMed: Advanced, automatic term translation off (quotation marks), no filter. **84** (2023.11.01.) and **96** (2024.06.05.) results

EMBASE: Advanced, automatic term translation off, every setting in mapping is unchecked, no filter, Title-Abstract-Keyword searched. **129** (2023.11.01.) and **191** (2024.06.05.) results

Cochrane Library: Advanced, automatic term translation off, Title-Abstract-Keyword searched, no filter, results in trials. **8** (2023.11.01.) and **8** (2024.06.05.) results

Scopus: Advanced, automatic term translation off, Title-Abstract-Keyword searched, no filter. **117** (2023.11.01.) and **136** (2024.06.05.) results

Web of Science: Advanced, automatic term translation off, no filter, Exact Search used, **113** (2023.11.01.) and **129** (2024.06.05.) results

Explanation:

Truncation: liver/livers/liver's; tumor/tumour; neoplasm/neoplasms; cholangiocarcinoma/cholangiocarcinomas; metastasis/metastases; radioembolization/radioembolisation

Quotation marks: to turn off term translation