Protocol for Surgical Implications in the Replaced Common Hepatic Artery, a Meta-analysis

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Protocol is effective.

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ABSTRACT

The aim of this literature review is to systematically analyze case reports and series related to the Replaced Common Hepatic Artery (RCHA) identified during preoperative or operative workups. The study will focus on understanding the characteristics, demographics, and outcomes associated with this vascular anomaly.
This protocol outlines the methodology for a systematic literature review on RCHA cases. The findings will contribute to a better understanding of this vascular anomaly and its associated characteristics and outcomes.

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1 Background

The aim of this literature review is to systematically analyze case reports and series related to the Replaced Common Hepatic Artery (RCHA) identified during preoperative or operative workups. The study will focus on understanding the characteristics, demographics, and outcomes associated with this vascular anomaly.

2 Literature Search Survey

a. Databases: MEDLINE (Ovid SP), Excerpta Medica Database (EMBASE), and Cumulative Index to Nursing and Allied Health Literature (CINAHL).
b. Search Terms: ('replaced common hepatic artery' OR 'hepto-mesenteric trunk' OR 'hepatomesenteric trunk' OR 'transpancreatic cha' OR 'transpancreatic common hepatic artery' OR 'type 9 hepatic' OR 'rcha').
c. Date of Search: Jan 2024.
d. Reference Review: The reference lists of identified studies will be reviewed for additional relevant articles.

3 Selection Criteria

a. Inclusion Criteria:
- Case reports and series.
- Patients with an RCHA identified during preoperative or operative workups.
b. Exclusion Criteria:
- Articles not published in English.
- Abstracts, conference presentations, editorials, reviews, and expert opinions.

4 Data Extraction and Critical Appraisal

a. Data Sources: will be extracted from article texts, tables, and figures.
b. Reviewers: JK, EK, BF, CS, JD, MM, EM.

c. Discrepancies Resolution: Resolve discrepancies through discussion and consensus.
d. Contacting Authors: Attempt to contact corresponding authors for missing data.

5 Statistical Analysis

a. Descriptive Statistics:
- Baseline characteristics and demographics reported using medians and interquartile ranges (IQR) for continuous data.
- Percentages for categorical data.
b. Software: R software, version 3.5.1 (R Foundation for Statistical Computing, Vienna, Austria).

6 Results

a. Study Characteristics:
- Will provide the number of articles identified, the number meeting inclusion criteria, and the total number of patients included.
- Will present a PRISMA flow diagram depicting the search strategy.
b. Supplementary Figures: will include supplementary figures in the "Additional Figures" section.

7 Ethical Considerations

a. As this is a literature review, ethical approval is not applicable. We will adhere to copyright and fair use guidelines in presenting findings.

8 Conclusion

This protocol outlines the methodology for a systematic literature review on RCHA cases. The findings will contribute to a better understanding of this vascular anomaly and its associated characteristics and outcomes.