

INPLASY

The relationship of hypertension and target lesion restenosis after percutaneous transluminal angioplast

INPLASY202370035

doi: 10.37766/inplasy2023.7.0035

Received: 11 July 2023

Published: 11 July 2023

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ADMINISTRATIVE INFORMATION

Support - The Science and Technology Department of Sichuan Province.

Review Stage at time of this submission - Data extraction.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202370035

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 11 July 2023 and was last updated on 11 July 2023.

INTRODUCTION

Review question / Objective Is the target lesion restenosis after balloon angioplasty associated with hypertension?

Condition being studied hypertension, the target lesion restenosis.

METHODS

Participant or population The including criteria were: (i): RCTs including patients with or without hypertension; (ii) the lesions confined to the coronary arteries or femoral popliteal artery; and (iii) endovascular treatment of PTA.

Intervention This meta-analysis was designed to verify the risks of the target lesion restenosis after endovascular therapy (Percutaneous transluminal angioplasty) in patients with or without hypertension.

Comparator Patients with or without hypertension who received PTA.

Study designs to be included RCTs.

Eligibility criteria The including criteria were: (i): RCTs including patients with or without hypertension; (ii) the lesions confined to the coronary arteries or femoral popliteal artery; and (iii) endovascular treatment of PTA.

Information sources PubMed/MEDLINE, EMBASE and Cochrane. Searched from 01/1990 to 06/2023.

Main outcome(s) Measures of effect.

Quality assessment / Risk of bias analysis the Cochrane risk of bias assessment tool.

Strategy of data synthesis Two researchers independently scanned the titles and abstracts of the retrieved studies for the topic. Then, the researchers obtained the full texts of potentially

eligible studies and examined these texts independently for suitability according to the inclusion and exclusion criteria. In the case of disagreement between the two researchers, a third researcher was consulted to reach a consensus on whether to include the trial or not.

Subgroup analysis None.

Sensitivity analysis Meta analysis.

Country(ies) involved China.

Keywords hypertension, restenosis.

Contributions of each author

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