

INPLASY PROTOCOL

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**Review Stage at time of this
submission:** The review has
not yet started.

Conflicts of interest:
None declared.

Periodontitis Increase the Risk of Heart Failure

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Review question / Objective: Can periodontitis increase the risk of heart failure?

Condition being studied: Previous studies reported that periodontal disease is associated with higher risk of HF. However, their conclusions conflicted a little bit with each other. In this case, a systematic review may help drawing a more comprehensive conclusion. Therefore, the purpose of the present analysis is to tell if periodontitis is associated with HF as well as the subtypes of HF.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 18 November 2022 and was last updated on 18 November 2022 (registration number INPLASY2022110084).

INTRODUCTION

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comprehensive conclusion. Therefore, the purpose of the present analysis is to tell if periodontitis is associated with HF as well as the subtypes of HF.

METHODS

Search strategy: (periodont*[Title/Abstract]) AND (heart failure[Title/Abstract]).

Participant or population: Periodontitis patients.

Intervention: Periodontitis.

Comparator: No Periodontitis.

Study designs to be included: Head to head meta-analysis.

Eligibility criteria: Observational studies which reported the association of periodontitis and heart failure.

Information sources: Pubmed, Embase, Cochrane Library, CNKI.

Main outcome(s): The risk of HF, HFrEF and HFpEF.

Quality assessment / Risk of bias analysis: Newcastle-Ottawa Scale.

Strategy of data synthesis: R studio software open-source edition will be used for calculating the pooled results of the included studies and plotting. R version 4.2.2 and meta package will be used.

Subgroup analysis: No

Sensitivity analysis: No.

Language restriction: English and Chinese.

Country(ies) involved: China.

Keywords: Periodontitis, Heart Failure.

Contributions of each author:

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