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# Network pharmacology-based strategy for predicting active ingredients and potential targets of Yangxinshi tablet for treating heart failure

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## Abstract:

### Ethnopharmacological relevance:

Yangxinshi tablet (YXST) is an effective treatment for heart failure and myocardial infarction; it consists of 13 herbal medicines formulated according to traditional Chinese Medicine (TCM) practices. It has been used for the treatment of cardiovascular disease for many years in China.

### Materials and Methods:

In this study, a network pharmacology-based strategy was used to elucidate the mechanism of action of YXST for the treatment of heart failure. Cardiovascular disease-related protein target and compound databases were constructed for YXST. A molecular docking platform was used to predict the protein targets of YXST. The affinity between proteins and ingredients was determined using surface plasmon

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<sup>1</sup> These two authors contributed equally to this work.

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