



## Background:

The development of medicine is the result of problem-oriented research and transformation. It is produced and developed in the long-term struggle against disease, in the research and transformation on clinical problems. Taking a clinical problem-oriented approach and building research-oriented disciplines is the need of medical development and the only way to improve the level of medical technology. How to cultivate research-type clinical medical students with training in both clinical medicine and research, worthy of being studied.

## Methods:

PubMed and China National Knowledge Infrastructure (CNKI) were searched up to December 2021 to retrieve relevant studies. Then, summarize the feasible cultivating methods of research-type clinical medical students by combing the relevant literature.

## Results:

By summarizing relevant literature, it can be concluded that the key to cultivate research clinical medical students is how to balance research and clinical practice. We should make it clear that the clinician's diagnosis and treatment of any patient is itself part of the study.

First of all, as shown in the following Figure 1, Solid clinical foundation, such as enough theoretical knowledge and clinical experience are needed, and the capability of scientific research thinking is also necessary for medical students to raise up scientific questions. Choosing an appropriate research is crucial, which requires medical students to grasp the frontier direction of current research by literature research. In order to carry out the research work smoothly, it is necessary to set up the training of corresponding skills, such as statistics learning and basic laboratory training, as well as the support of a satisfactory research environment, including infrastructure and research funds support.

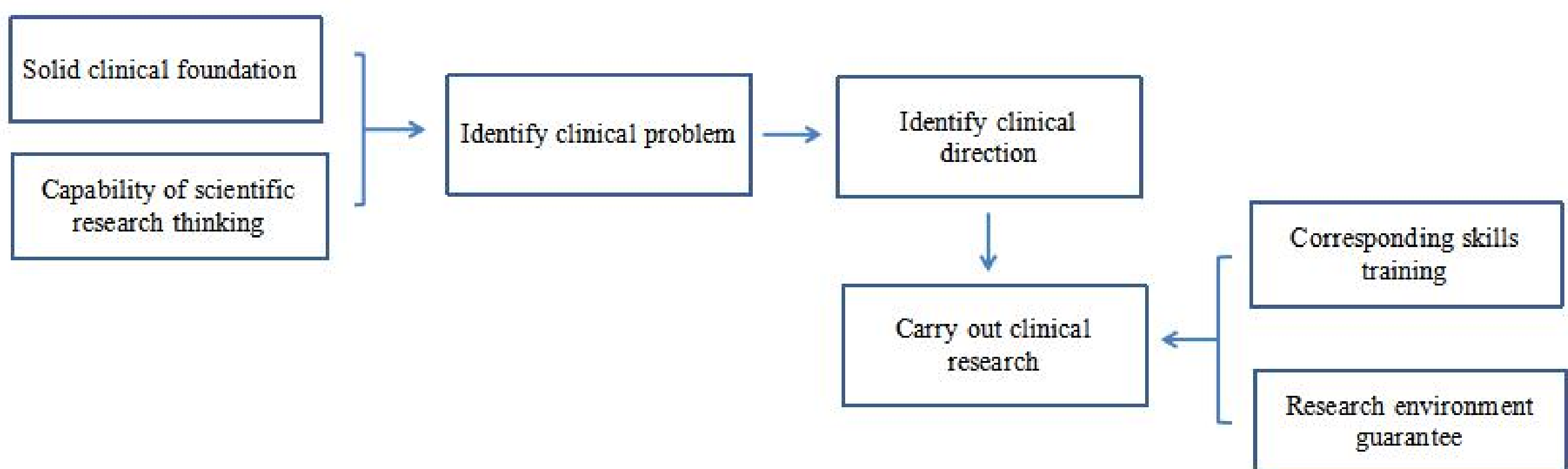


Fig 1: how to cultivate research-type Clinical Medical Student

## Conclusions:

The cultivation of research-type clinical medical students needs the support of both medical colleges and hospitals, and various measures should be taken to fully explore the students' research interest and potential. Further related studies are needed to promote the development of medicine.