

Table S1 Detailed search strategy of CNKI database as an example

Items	Specification
Inclusion and exclusion criteria	<p>Inclusion:</p> <p>Study type: review or original research article</p> <p>Language: Chinese</p> <p>Exclusion:</p> <p>Study type: dissertation, meeting, newspaper, book, patent, annual, industry standards</p> <p>Language: English</p>
Selection process	<p>Step 1: key words: clinical trials</p> <p>Step 2:</p> <p>Main topic: clinical trials, clinical research, clinical trial research, ethic review</p> <p>Secondary topic: clinical trials, clinical research, GCP, IRB, clinical trial institution</p> <p>Research level: technical research, clinical research</p> <p>Journal: all</p> <p>Source: core journal</p> <p>After searching in database, 12,513 articles searched. Tiered by relevance and author Jing Ding and Keke Fang reviewed the abstract of the first 200 articles, then downloaded the articles more relevant to this research topic. The final selection of literature and the collection, assembly and analysis and interpretation of data were conducted author Jing Ding, Yashu Yin and Keke Fang. The manuscript was drafted by author Jing Ding, Yashu Yin and Keke Fang, then all authors reviewed the literatures and draft manuscript together, revise subsequently until obtaining a consensus on the comments</p>

GCP, Good Clinical Practice; IRB, institutional review board.