

**Supplemental Table 1 Participating centers in the study**

<b>Province</b>	<b>Participated</b>	<b>Local PI</b>
Beijing	Fuwai Hospital	Yongjian Wu
Guangdong	Guangdong Provincial Hospital	Jianfang Luo
Beijing	Beijing Anzhen Hospital	Wei Liu, Haibo Zhang
Chongqing	Xinqiao Hospital	Shiyong Yu
Sichuan	West China Hospital	Mao Chen, Yingqiang Guo
Shanghai	Zhongshan Hospital affiliated to Fudan University	Daxin Zhou
Hubei	Asia Heart Disease Hospital	Xi Su
Hunan	The Second Xiangya Hospital of Central South University	Xinqun Hu
Henan	The First Hospital affiliated to Zhengzhou University	Chunguang Qiu
Fujian	Union Hospital affiliated to Fujian Medical University	Lianglong Chen
Shanxi	Xijing Hospital	Lin Tao, Jian Yang
Shanghai	Shanghai Changhai Hospital	Xianxian Zhao
Henan	Henan Provincial Hospital	Chuan Yu Gao
Liaoning	Northern Hospital	Quanmin Jing
Anhui	Anhui Provincial Hospital	Likun Ma
Hunan	Xiangya Hospital Central South University	Zaixin Yu
Guizhou	Guizhou Provincial Hospital	Qiang Wu
Jiangsu	Nanjing First Hospital	Shaoliang Chen
Jiangxi	The First Hospital affiliated to Nanchang University	Zheqi Zheng
Jiangsu	Nanjing Gulou Hospital	Biao Xu
Zhejiang	The Second Hospital affiliated to Zhejiang University	Xiambao Liu
Jiangxi	The Second Hospital affiliated to Nanchang University	Yanqing Wu
Heilongjiang	The Second Hospital affiliated to Haerbin Medical University	Bo Yu
Xinjiang	The First Hospital affiliated to Xinjiang Medical University	Xiang Ma
Tianjin	Taida International Cardiovascular Hospital	Zhigang Liu
Tianjin	Tianjin Chest Hospital	Hongliang Cong
Shanghai	Ruijin Hospital affiliated to Shanghai Jiaotong University	Ruiyan Zhang
Shandong	Linyi People's Hospital	Yanjin We
Shandong	Hospital affiliated to Jinin Medical School	Qingxian Li
Shandong	Qingdao Fuwai Hospital	Xianyan Jiang
Sichuan	Sichuan Provincial Hospital	Jianhong Tao

Zhejiang	Shaoyifu Hospital affiliated to Zhejiang University	Guosheng Fu
Beijing	Army General Hospital	Changfu Liu
Shanxi	The First Hospital affiliated to Xian Jiaotong University	Zuyi Yuan
Gansu	The First Hospital affiliated to Lanzhou University	Zheng Zhang
Jilin	The Second Hospital affiliated to Jilin University	Bin Liu
Yunnan	The First Hospital affiliated to Kunming Medical School	Tao Guo
Jiangsu	Xuzhou Central Hospital	Bin Han
Chongqing	Southwest Hospital	Zhihui Zhang
Jiangxi	Jiangxi Provincial Hospital	Lang Hong
Guangdong	Shenzhen Sunyixian Cardiovascular Hospital	Qiang Liu
Heilongjiang	The First Hospital affiliated to Haerbin Medical University	Yue Liu
Henan	Zhengzhou Seventh People's Hospital	Yiqiang Yuan
Ningxia	General Hospital affiliated to Ningxia Medical University	Saobin Jia
Liaoning	Zhongshan Hospital affiliated to Dalian Medical University	Xiaoming Bian
Sichuan	Nanchong Central Hospital	Haoyu Wang
Guangdong	Meizhou People's Hospital	Wei Zhong
Fujian	First Hospital affiliated to Xiamen University	Weihua Ke
Anhui	Yijishan Hospital affiliated to Wannan Medical School	Yongshen Ke
Guangdong	Sunyixian Hospital affiliated to Zhongshan University	Jingfeng Wang
Fujian	Quanzhou First Hospital	Rong Lin
Shanghai	Shanghai Changzheng Hospital	Chun Liang
Shandong	Tantai Yuhuangding Hospital	Chuanhuan Zhang
Anhui	Hospital affiliated to Bengbu Medical School	Hongju Wang
Shanxi	Shanxi Cardiovascular Hospital	Jian An
Inner Mongolia	Hospital affiliated to Inner Mongolia Medical University	Yuexi Wang
Guangdong	Southern Hospital affiliated to Southern Medical University	Yuqing Hou
Qinghai	Hospital affiliated to Qinghai University	Weijun Liu
Gansu	Gansu Provincial Hospital	Ping Xie
Tianjin	Tianjin First Central Hospital	Chengzhi Lu
Guangxi	The First Hospital affiliated to Guangxi Medical University	Weifeng Wu
Zhejiang	The First Hospital affiliated to Zhejiang University	Li Zhang
Sahnxi	Tangdu Hospital affiliated to Forth Army Medical University	Haichang Wang

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Hubei	Wuhan Union Hospital	Xiang Cheng
Sichuan	Hospital affiliated to Southwestern Medical University	Zhongcai Fan
Guangdong	Shenzhen People's Hospital	Shaohong Dong
Shanxi	Shanxi Provincial Hospital	Hong Zhang
Shanghai	Shanghai Chest Hospital	Xinkai Qu
Inner Mongolia	The First Hospital affiliated to Baotou Medical School	Hanjun Pei

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