**第四届（2021年）妇幼健康科学技术奖**

**科技成果奖项目基本情况公示**

1. **参评领域：**出生缺陷防治
2. **成果名称：**先天性心脏病三级防治体系建立及防治新技术研究应用
3. **主要完成人：**

1.何怡华；2.刘凯波；3.张浩；4.华益民；5.朱皞罡；6.张莹莹；7.张烨；8.谷孝艳；9.韩建成；10.王静怡；11.郝晓艳；12.刘翔宇；13.赵映；14.孙海瑞；15.刘晓伟

1. **主要完成单位：**

1.首都医科大学附属北京安贞医院；2.首都医科大学附属北京妇产医院；3.上海交通大学医学院附属上海儿童医学中心；4.四川大学华西第二医院；5.北京航空航天大学

1. **主要证明目录**
   1. 知识产权证明

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| **序号** | **软件著作权名称** | **登记号** |
| 1 | 胎儿先天性心脏病专家辅助决策平台软件 | 2020SR0333858 |
| 2 | 胎儿Q-score医学计算器软件平台 | 2020SR0333854 |
| 3 | 胎儿先天性心脏病质控会诊软件Android版本 | 2020SR0657830 |
| 4 | 胎儿先天性心脏病易患因素评估软件Android版本 | 2020SR0657827 |
| 5 | 胎儿先天性心脏病易患因素评估软件IOS版本 | 2020SR0657824 |
| 6 | 胎儿先天性心脏病智能筛查软件Android版本 | 2020SR0657860 |
| 7 | 胎儿先天性心脏病质控会诊软件IOS版本 | 2020SR0868693 |
| 8 | 胎儿先天性心脏病智能筛查软件IOS版本 | 2020SR0883198 |
| 9 | 先心安母胎会诊标注系统软件 | 2021R11L1539150 |
| 10 | 先心安母胎会诊管理平台 | 2021R11L1540105 |
| 11 | 先心安母胎会诊平台系统（患者端）V1.0 | 2021R11L1540287 |
| 12 | 先心安母胎会诊平台系统（医生端）V1.0 | 2021R11L1540483 |

* 1. 代表性论文、专著等成果（限10篇以内）

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| --- | --- | --- | --- | --- | --- |
| 序号 | 类别 | 题目 | 期刊/出版社 | 期卷号 | 作者 |
| 1 | 论文 | Addressing the rising burden of congenital heart disease in China | LANCET CHILD & ADOLESCENT HEALTH | 2020, 4(4): E7-E7 | **Yihua He**; Weize Xu; Zhanhao Su; Kaibo Liu; Hao Zhang\*; |
| 2 | 论文 | Quantile Score: A New Reference System for Quantitative Fetal Echocardiography Based on a Large Multicenter Study | JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY | 2019, 2(32): 296-302 | Xiaoyan Gu; Haogang Zhu; Ye Zhang; Jiancheng Han; Hongjia Zhang; Ying  Liu; Airong Wang; Baomin Liu; Jun Xue; Baojuan Sun; Zongjie Weng; Shuping Ge; **Yihua He**\*; |
| 3 | 论文 | Fetal Congenital Heart Disease Echocardiogram Screening Based on DGACNN: Adversarial One-Class Classification Combined with Video Transfer Learning | IEEE Transactions on Medical Imaging | 2020, 39(4): 1206-1222. | Gong, Yuxin; Zhang, Yingying ; Zhu, Haogang ; Lv, Jing; Cheng, Qian; Zhang, Hongjia; **He, Yihua**\* |
| 4 | 论文 | The contribution of single-gene defects to congenital cardiac left-sided lesions in the prenatal setting | Ultrasound Obstet Gynecol | 2020,56: 225-232. | Hairui Sun, Xiaoyan Hao, Xiaoyan Gu,**Yihua He\*** |
| 5 | 论文 | Fetal cardiac tumors: fetal echocardiography，clinic al outcome and genetic analysis in 53 cases | Ultrasound Obstet Gynecol | 2019 Jul;54(1):103-109 | Hairui Sun, Xiaoyan Hao, Ye Zhang, Xiaowei Liu, **Yihua He\*** |
| 6 | 论文 | 北京地区复杂先天性心脏病发生及婴儿期转归情况 | 中国优生与遗传杂志 | 2016(8):88-90 | 张雯, **刘凯波**\*, 徐宏燕,等 |
| 7 | 论文 | Complete Left Bundle Branch Block After Transcatheter Closure of Perimembranous Ventricular Septal Defect | JACC Cardiovasc Interv | 2019 Aug 26;12(16):1631-1633 | Kaiyu Zhou,Yifei Li, **Yimin Hua**\* |
| 8 | 论文 | Fetal retroesophageal left brachiocephalic vein with U-shaped vascular ring on four-dimensional color Doppler ultrasound | Ultrasound Obstet Gynecol | 2018, 51(4): 561-562. | Han J, Hao X, **He Y**\*. |
| 9 | 专著 | 胎儿心脏病产前超声诊断咨询及围产期管理指南 | 人民卫生出版社 | 2015/10/1 | **何怡华**，姜玉新等 |
| 10 | 专著 | 胎儿超声心动图学 | 人民卫生出版社 | 2013/08 | **何怡华**, 刘迎龙, 张烨, 李治安等 |