2024年度广西科学技术奖提名形审公示表

成果名称	早产儿支气管肺发育不良精准防治关键技术研究与应用
候选个人（完成人）	李燕,陆斯良,姚丽平,谭伟,莫艳,韦秋芬,邹林霞,张蓉,王来栓,陈超
候选组织（完成单位）	广西壮族自治区妇幼保健院
提 名 者	广西壮族自治区卫生健康委员会

类型	成果名称	授权发布日期	完成人（作者）	成果状态（通讯作者）	编号（年卷页；版号）	授权发布部门（刊名）		完成单位（署名单位）	广西单位是否原始著名
-	-	-	-	-	-	-		-	-
论文名称	刊名	发表日期（年月日）	第一作者（含共同）	通讯作者（含共同）	年卷页（xx 年 xx 卷 xx 页）	他引次数	检索数据库	署名单位	广西单位是否署名前三
A prediction model for short-term neurodevelopmental impairment in preterm infants with gestational age less than 32 weeks	Frontier in neuronscience	2023-04-24	李燕	史源	2023;17:1166800.	1	Pubmed	Department of Neonatology, Children's Hospital of Chongqing Medical University, National Clinical Research Center for Child Health and Disorders, Ministry of Education Key Laboratory of Child Development and Disorders, Chongqing Key Laboratory of Pediatrics, Chongqing,	是

								China,, Department of Applied Mathematics, The Hong Kong Polytechnic University, Kowloon, Hong Kong SAR, China,, Neonatal Medical Centre, Maternal and Child Health Hospital of Guangxi Zhuang Autonomous Region, Nanning, China，Guangxi Clinical Research Center for Pediatric Diseases, Nanning, China，Department of Biological Sciences, University of Liverpool, Liverpool, United Kingdom	
Non-invasive high-frequency oscillatory ventilation in preterm infants after extubation: a randomized, controlled	The Journal of international medical research	2021-02-01	Yan Li	潘新年，钟丹妮	2021;49(2):300060520984915.	10	Pubmed	Department of Neonatology, The First Affiliated Hospital of Guangxi Medical University,	是

trial								Nanning, Guangxi Zhuang Autonomous Region, China，Department of Neonatology, Maternity and Child Health Care of Guangxi Zhuang Autonomous Region, Nanning, Guangxi Zhuang Autonomous Region, China	
Treatment outcomes and associated factors among extremely preterm infants in a major children hospital in Guangxi, China	Pediatrics and Neonatology	2017-08-01	李燕	潘新年	2018;59(3):263-266	0	Pubmed	Maternal and Child Health Hospital of Guang xi Zhuang Autonomous Region	是
Neurodevelopmental outcomes of extremely preterm infants in southernChina: A multicenter study	Early Human Development	2019-04-01	李燕	潘新年	2019;133:5-10.	5	Pubmed	Department of Neonatology, Guangxi Maternal and Child Health Hospital, Nanning, 530003, Guangxi, China，Department of Neonatology, Yulin Maternity and Child	是

								Health Care Hospital of Guangxi, Yulin, China ，Department of Neonatology, Qinzhou Maternity and Child Health Care Hospital of Guangxi, Qinzhou, China ，Department of Neonatology, The People Hospital of Guangxi Zhuang Autonomous Region, Nanning, China ，Department of Neonatology, Nanning Maternity and Child Health Care Hospital, Nanning, China ，Department of Neonatology, Guilin Maternity and Child Health Care Hospital of Guangxi, Guilin, China ，Department of Neonatology, Minzu	

								Hospital of Guangxi Zhuang autonomous region,Nanning, China ， Department of Neonatology, The People Hospital of Hechi, Hechi, Guangxi, China ， Department of Neonatology, Bobai People Hospital of Yulin, Yulin, Guangxi, China ， Department of Neonatology, The First People's Hospital of Hechi, Hechi, Guangxi, China	
A Combined Ul trasonic Backscatter Parameter for Bone Status Evaluation in Neonates	Computational and Mathematical Methods in Medicine	2020-05-01	毛玮莹	张蓉	2020;2020:3187268	2	Pubmed	Department of Neonatology, Children’s Hospital of Fudan University, Shanghai 201102, China，Institute of Acoustics, School of Physics Science and Engineering, Tongji	否

								University, Shanghai 200092, China，Department of Electronic Engineering, Fudan University, Shanghai 200433, China，Academy for Engineering and Technology, Fudan University, Shanghai 200433, China	
极/超低出生体重早产儿支气管肺发育不良临床随访	中华新生儿科杂志	2017-7-1	姚丽平	韦秋芬	2017, 32(4):4	5	万方	广西壮族自治区妇幼保健院新生儿科	是
Use of narcotics and sedatives among very preterm infants in neonatal intensive care units in China: an observational cohort study	Translational Pediatrics	2023-06-02	莫艳	韦秋芬，蒋思远	2023 Jun 30;12(6):1170-1180.	0	Pubmed	Neonatal Medical Center, Maternal and Child Health Hospital of Guangxi Zhuang Autonomous Region，Guangxi Clinical Research Center for Pediatric Diseases，NHC Key Laboratory of Neonatal Diseases (Fudan University，Dalian Women and Children Medical	是

								Center，Maternal-Infants Care Research Centre and Department of Pediatrics, Mount Sinai Hospital, Toronto, Ontario, Canada;，Division of Neonatology, Children’s Hospital of Fudan University,	
Ultrasonic Backscatter Technique for Assessing and Monitoring Neonatal Cancellous Bone Status In Vivo	IEEE Access	2019-10-28	毛玮莹	张蓉	2019, PP(99):1-1	0	Pubmed	Department of Neonatology, Childrens Hospital of Fudan University, Shanghai 201102, China，School of Physics Science and Engineering, Institute of Acoustics, Tongji University, Shanghai 200092, China，Department of Electronic Engineering, Fudan University, Shanghai 200433, China，State Key Laboratory of ASIC and System,	否

								Fudan University, Shanghai 200433, China	
Optimization of an Intranasal Route for the Delivery of Human Neural Stem Cells to Treat a Neonatal Hypoxic-Ischemic Brain Injury Rat Model	Neuropsychiatric Disease and Treatment	2022-02-23	陆斯良	栾佐	2022;18:413-426.	4	Pubmed	The First Clinical Medical College, Guangxi Medical University,Laboratory of Pediatrics, The Sixth Medical Center of PLA General Hospital	是
T0901317, a liver X receptor agonist, ameliorates perinatal white matter injury induced by ischemia and hypoxia in neonatal rats	Neuroscience Letters	2022-11-29	高婷	王来栓	2023;793:136994.	2	Pubmed	National Health Commission Key Laboratory of Neonatal Diseases, Department of Neonatology, Children’s Hospital of Fudan University, Department of Neonatology, National Children’s Medical Center, Children’s Hospital of Fudan University, Department of Neurosurgery, Shanghai Jiaotong University School of Medicine	否

								Affiliated Renji Hospital, Department of Neonatology, Children’s Hospital of Fudan University and Institutes of Biomedical Sciences	
壮族早产儿支气管肺发育不良易感基因的筛查	中华妇幼临床医学杂志	2019-06-01	李燕	潘新年	2019,15(3):9	1	万方	广西壮族自治区妇幼保健院新生儿科，广西壮族自治区妇幼保健院遗传代谢中心实验室	是
不同时间采用肺表面活性物质治疗早产儿呼吸窘迫综合征的疗效比较	中华妇幼临床医学杂志	2017-08-01	谭伟	韦秋芬	2017,13(4):455-460	15	万方	广西壮族自治区妇幼保健院新生儿科	是
专著名称	**版号**	**出版时间（年月日）**	**作者或主编**					**署名单位**	**广西单位是否署名**
科普作品名称	**版号**	**出版时间（年月日）**	**作者或主编**	**出版单位**	**是否为丛书（系列）**	**丛书（系列）数量**			**广西单位或工作个人是否为著作权人**

提名意见:

根据《广西科学技术奖励办法》《广西科学技术奖励办法实施细则》相关规定，提名该个人、组织为科学技术奖（科学技术进步奖——社会公益类）二等 、三等奖候选个人、候选组织。

第一候选组织简介（不超过 200 字）:

广西壮族自治区妇幼保健院作为国家级新生儿保健特色专科单位、全国新生儿围产期医学专科医师规范化培训基地、全国新生儿神经重症医学专项技术教学培训基地、泛珠三角新生儿专科联盟的成员、全国新生儿协作网及西南新生儿协作网的成员单位、广西儿科疾病临床医学研究中心、广西危重新生儿救治中心，承担了广西危重新生儿特别是早产儿的救治，为本项目提供了宝贵的临床资源。

成果简介（不超过 500 字）:

本项目成果组围绕 BPD 的防治主线，开展了相关的基础与临床研究，建立了 BPD4P 健康管理模式，降低了广西早产儿 BPD 的发病率和严重程度，减少了婴幼儿期的死亡率，提高了 BPD 早产儿的远期生存质量。

成果在国内 134 家医院中推广应用，项目共发表论文 33 篇， SCI 收录 10 篇，中文核心期刊 23 篇，累计他引 435 次；出版专著 4 部，形成专家共识成 6 项，会诊 100 余次，培养专业技术人才 3700 人次，举办省级以上培训班 10 余期。项目成果在国家级学术大会上交流，并在 2022 年美国儿科年会进行交流，为国内外 BPD 诊疗提供规范参考。项目为 BPD 高危人群的早期预测、早期发育评估、精准治疗提供了解决方案，构建了 BPD 预测预警、精准治疗及健康管理防控平台，有效地降低了 BPD 的发病率、病死率及致残率，成果推广应用后，广西地区超早产儿 BPD 发生率由 69.6%降至 36.1%，极早产儿 BPD 发生率由 30.8%降至 28.4%，提高 BDP 患儿的生存质量，具有重要的社会效益。

候选个人合作情况

候选个人合作关系说明

张蓉（复旦大学附属儿科医院）作为新生儿协作网牵头单位成员之一，而我院作为新生儿协作网的成员单位，张蓉教授定期赴广西开展技术指导，利用协作网数据合作发表论文《Use of Narcotics and Sedatives among Very Preterm Infants in Neonatal Intensive Units in China: A multi-center Cohort Study》，与广西新生儿专科联盟开展超声技术合作，发表论文专著数篇 1.A Combined Ultrasonic Backscatter Parameter for Bone Status Evaluation in Neonates.《超声背散射参数对新生儿骨质状态的评估》 Comput Math Methods Med. 2020; 2. Ultrasonic Backscatter Difference Measurement of Bone Health in Preterm and Term Newborns《超声背散射测量对足月及早产新生儿骨健康的评估》 Ultrasound Med Biol. 2020;3. Feasibility of Bone Assessment with Ultrasonic Backscatter Signals in Neonates.《超声背散射信号在新生儿骨质评估中的可行性》 Ultrasound Med Biol. 2013;5. 早产儿支气管肺发育不良营养管理专家共识.中国当代儿科杂志,2020。在本次报奖项目中排名第八。

王来栓（复旦大学附属儿科医院）作为新生儿协作网牵头单位成员之一，而我院作为新生儿协作网的成员单位，王来栓教授定期赴广西开展技术指导，利用协作网数据合作发表论文《Use of Narcotics and Sedatives among Very Preterm Infants in Neonatal Intensive Units in China: A multi-center Cohort Study》。与广西新生儿专科联盟开展早产儿重度 BPD 相关基础及临床研究，发表论文 T0901317, a liver X receptor agonist, ameliorates perinatal white matter injury induced by ischemia and hypoxia in neonatal rats 《肝 X 受体激动剂 T0901317 改善新生大鼠缺血缺氧引起的围产期白质损伤》，在本次报奖项目中排名第九。

陈超（复旦大学附属儿科医院），作为新生儿协作网牵头单位成员之一，而我院

作为新生儿协作网的成员单位，陈超教授定期赴广西开展技术指导，利用协作网数据合作发表论文《Use of Narcotics and Sedatives among Very Preterm Infants in Neonatal Intensive Units in China: A multi-center Cohort Study》，与广西新生儿专科联盟开展肺表面活性物质应用以及超声技术合作研究，著有专著《实用新生儿学》。在本次报奖项目中排名第十。

以上合作关系情况详见附表。

附表：候选个人合作情况汇总表

序号	合作方式	合作者	合作时间	合作成果	附件编号	备注
1	中国新生儿协作网论文合著	张蓉,王来栓,陈超	2016 年 7 月 9 日-2022 年 12 月 31 日	Use of Narcotics and Sedatives among Very Preterm Infants in Neonatal Intensive Units in China: A multi-center Cohort Study	1-7	新生儿协作网成员