

Research work.

All department staff actively participate in the department's research work.

The scientific direction of the department - Since 2024, the teaching staff of the Department of Pediatrics has been conducting research work on the topic "Development of methods for early diagnosis and treatment of congenital diseases in children in Karakalpakstan."

Scientific direction: "Improving methods of early diagnosis, treatment and prevention of congenital diseases in children in Karakalpakstan."

Currently, the department employs 1 professor, 2 DSc doctors of medical sciences, associate professors.

Department's scientific potential — 23%

Currently, the department is conducting the following research:

1. "Comprehensive assessment of the physical development of children with congenital heart defects before and after surgical treatment in the Aral Sea region" - independent researcher Omirova A.K.
2. "Clinical and functional features of arterial hypertension in children and adolescents with varying body weight living in the Aral Sea region" - independent researcher Tursynbekova N.K.

Scientific cooperation. The department staff actively cooperates with medical institutions such as: Republican Children's Multidisciplinary Medical Center, Republican Regional Children's Medical Rehabilitation Center.

Student Scientific Society. Annually, undergraduate students, master's students, and clinical residents participate in scientific conferences and publish theses in the collection of student scientific conferences. Pediatrics students have repeatedly participated in international and republican academic olympiads.

Scientific conferences. Department staff actively participate in many republican and international webinars and conferences. Department Assistant R. Kurbanbayeva participated in an international webinar on "Immunological Caution in Clinical Practice" organized by the International Center for Molecular Allergology of the Institute of Immunology and Human Genomics of the Academy of Sciences of the Republic of Uzbekistan on June 27, 2025. Department assistant A.K. Omirova made a presentation on the topic "The state of health of children with congenital malformations in the Aral Sea region" at the inter-university scientific conference "Actual problems of higher medical education" held on October 9-10, 2024.

Scientific publications. Over the past 5 years, the department's staff have published over 50 scientific articles, 1 monograph, 3 textbooks, 5 methodological manuals, and 13 methodological developments.

Scientific works published by the assistants of the department in the 2024-2025 academic year.

№	Title of the scientific work	Author's Full Name	Magazine title, №., year, pages	Ссылка на статью	Citation (quantity and link) for this article
1	Monographs published in the Republic				
1	Assessment of schoolchildren's adaptive potential based on heart rhythm variability	Khudaynazarova S.R. Kuryazova Sh.M.	"Fan ziyosi" Publishing House. License No. 3918 Signed for printing 23.12.2024. Printed at the printing house of "Fan va ta'lim poligraf" LLC, Tashkent city, Dörmon yöli street, 24. Monograph		
1	Published in the republic (Textbooks, teaching aids, methodological manuals, methodological manuals)				
1.	Patophysiology of renal failure	Azhiniyazova G.K. Elmuratova A.A. Turymbetova R.Zh.	KMI Mart 2025 Methodological manual		
2	Methods of diagnosing the development of neonatal pneumonia	Shamansurova E.A. Bekchanova B.B.	"Science and Education Polygraph" Tashkent city, Dörmon yöli Street 24. Methodological Recommendations 2024		
1	Scientific articles published in foreign scientific journals				
1	Specificity of laboratory and instrumental indicators of children born with congenital heart	Shamansurova E.A. Isakhanova N.Kh.	"Allergic diseases in children: Interdisciplinary issues and comprehensive	https://doi.org/10.5281/zenodo.14185869	

	defects		solutions" III International scientific and practical conference. November 22-23, 202		
2	Risk factors and clinical course of neonatal pneumonia	Shamansurova E.A. Bekchanova B.	“Allergik diseases in children: Interdisciplinary issues and comprehensive solutions” III International scientific and practical conference. November 22-23, 2024	https://doi.org/10.5281/zenodo.14185882	
3	Specific immune response to vaccination with various types of pneumococcal vaccines in children in the southern Aral Sea region.	Karimjanov I.A. Shamansurova E.A. Madrakhimov P.M. Iskandarova I.R. Masharipov O.O. Yakubov D.M.	Multidisciplinary Journal of Science and Technology Vol. 5 No. 4 APRIL (2025)		
4	Comparative analysis of laboratory parameters in children with essential and secondary arterial hypertension	Shamansurova E.A. Turabova Z.Sh. Khasanova G.M	Asian journal of Pharmaceutical and biological research, Volume 14 Issue 1 JAN.-APR. 2025		
5	Instrumental characterization of the cardiovascular system in children with different forms of arterial hypertension	Shamansurova E.A. Turabova Z.Sh. Khasanova G.M	Asian journal of Pharmaceutical and biological research 2231-2218 http://www.ajpb.org/researchbib 8 Volume 14 Issue 1 JAN.-APR. 2025	https://doi.org/10.5281/zenodo.15328480	
6	Congenital heart defects among children of the Republic of	A.N. Kusbatyrova Niyazova G.T.	https://t.me/ResearchEdu_Journal Multidisciplinary	https://doi.org/10.5281/zenodo.1	

	Karakalpakstan		y Scientific Journal October, 2024 DOI:	4016084	
7	Prevalence of heart defects in children, their various forms (cationic and anionotic) and Statistical analysis	Elmuratova A.A.	Journal of Multidisciplinary Sciences and Innovations https://ijmri.de/index.php/jmsi volume 4, issue 3 2025		
8	Arterial hypertension in children and adolescents in the modern world: Epidemiology, risk factors, diagnosis and treatment approaches	Tursynbekova N.K.	Journal of modern medicine №2 (9), 2025 УДК: 616.12-056.52-053.2		
9	Bronchial asthma in children and its treatment aspects	Saparbayeva G.R.	Eurasian journal of medical and natural sciences Volume 4 Issue 9, September 2024 ISSN 2181-287X Page 116	https://doi.org/10.5281/zenodo.13838527	
Scientific articles published in republican scientific journals					
1	Vaccinoprophylaxis and Human	Shamansurova E.A. Mannapova M.A.	Health Journal of Modern Medicine No1,2025, 513-518 pages.		
2	Clinical and diagnostic features of pneumoniya in newborns	Bekchanova B.B. Shamansurova E.A.	Tashkent Medical Academy - Journal of Young Scientists Medicine No. 12 (12), 2024		
Scientific theses					
Materials of the conference held abroad					
1	Development of infection in children with	Saburova N.K. Elmuratova A.A.	Mazurin Readings. XV All-Russian		

	aplastic anemia		Scientific and Practical Student Conference with International Participation, Dedicated to the Memory of A.V. Mazurin, Head of the Department of Childhood Disease Propedeutics, Pediatric Faculty (Moscow, April 12, 2025): collection of theses /		
2	Some aspects of pneumonia	Saparbayeva G.R.	Academic research in modern science International scientific-online conference	https://doi.org/10.5281/zenodo.15639430	
3	Modern approaches to the diagnosis and treatment of acute bronchiolitis in young children	Sobirova N.M.	Academic research in modern science International scientific-online conference	https://doi.org/10.5281/zenodo.15639446	
4	Analysis of unjustified prescriptions of antiviral and immunomodulatory drugs for children with Orvi in outpatient practice	Askerbayeva Kh.D.	Academic research in modern science International scientific-online conference	https://doi.org/10.5281/zenodo.15639459	
Materials of the conference held in the republic					
1	Clinical characteristics of functional disorders in children aged 4 to 14 years	Shamansurova E.A. Koshimbetova G.K.	International scientific and practical conference of young scientists and students. Abstracts compilation.Tos		

			hkent, may 2025		
2	Factors contributing to the development of irritable bowel syndrome in children of primary and middle school age	Shamansurova E.A.	International scientific and practical conference of young scientists and students. Abstracts compilation. Tos hkent, may 2025		
3	Clinical features of arterial hypertension of essential and secondary genesis	Shamansurova E.A. Turabova Z.Sh.	International scientific and practical conference of young scientists and students. Abstracts compilation. Tos hkent, may 2025		
4	Non-hospital pneumonia with bronchial obstruction syndrome in preschool children	Teshebayeva X Kuryazova Sh.	International scientific and practical conference of young scientists and students. Abstracts compilation. Tos hkent, may 2025		
5	The impact of vaccination on the course of community-acquired pneumoniya in children	Rajapova N. Kuryazova Sh.	International scientific and practical conference of young scientists and students. Abstracts compilation. Tos hkent, may 2025		
6	Clinical and diagnostic characteristics of urinary system diseases in adolescent girls	Samadova D.S. Kuryazova Sh	International scientific and practical conference of young scientists and students. Abstracts compilation. Tos hkent, may 2025		

7	Clinical and diagnostic features of community-acquired pneumonia with bronchial obstruction syndrome in children	Oxunova M. Kuryazova Sh.M. Khudaynazarova S.R. Tasheva G.T.	"Human Health of the 21st Century: "Current issues, problems and innovations" II International Student Scientific Conference Fergana 27.11. 2024.		
8	Prevalence and early diagnosis of iron deficiency anemia in children of the Republic of Karakalpakstan	Kusbatyrova A.N. Niyazova G.T.	"New Uzbekistan Scientific Research" October 2024. Part 2 97 Tashkent		
9	Etiological factors of renal tubular dysfunction in children living in the ecological risk zone of the Aral Sea	Koschanova A.M. Elmuratova A.A. Abubakirova Z.B.	"Healthy Kidneys for Everyone" International Scientific-Practical Conference theses collection 2025 year, 12 April Tashkent		