



**MINISTRY OF HEALTH OF THE  
REPUBLIC OF UZBEKISTAN**



**TASHKENT MEDICAL  
ACADEMY**



**“Zamonaviy pediatriyaning dolzarb  
muammolari: bolalar kasalliklari  
diagnostikasining yangi imkoniyatlari”  
mavzusidagi ilmiy-amaliy xalqaro anjuman  
materiallari**

**TO‘PLAMI**

**Toshkent**

**15 dekabr, 2022**

**Bobomuratov T.A., Avezova G.S., Sultanova N.S., Mallaev Sh.Sh., Nurmatova N.F.** // “Zamonaviy pediatriyaning dolzarb muammolari: bolalar kasalliklari diagnostikasining yangi imkoniyatlari” mavzusidagi ilmiy-amaliy xalqaro anjuman materiallari // «TIBBIYOT NASHRIYOTI MATBAA UYI» MCHJ Toshkent – 2022, 129 bet.

*Editorial board:*

<b>Bobomuratov T.A.</b>	Toshkent tibbiyot akademiyasi Yoshlar masalalari va ma’naviy–ma’rifiy ishlar bo‘yicha prorektor, Bolalar kasalliklari propedevtikasi kafedrasini mudiri;
<b>Avezova G.S.</b>	Bolalar kasalliklari propedevtikasi kafedrasini dotsenti;
<b>Sultanova N.S.</b>	Bolalar kasalliklari propedevtikasi kafedrasini katta o‘qituvchisi;
<b>Mallaev Sh.Sh.</b>	Bolalar kasalliklari propedevtikasi kafedrasini katta o‘qituvchisi
<b>Nurmatova N.F.</b>	Bolalar kasalliklari propedevtikasi kafedrasini dotsenti;

“Zamonaviy pediatriyaning dolzarb muammolari: bolalar kasalliklari diagnostikasining yangi imkoniyatlari” mavzusidagi ilmiy-amaliy xalqaro anjuman Toshkent tibbiyot akademiyasida 15 dekabr 2022 yil bo‘lib o‘tdi. Anjumanda O‘zbekistonda islohotlar bosqichida bolalarga tibbiy yordam ko‘rsatish sifatini oshirishda amalga oshiriladigan masalalar, pediatriya xizmatini yanada rivojlantirish, Respublikada pediatriyani rivojlanishida xalqaro hamkorlik va uning ahamiyati, Bolalarga ko‘rsatilayotgan birlamchi tibbiy - sanitariya yordam, perinatal tibbiyot, genetik va immunitet tanqisligi kasalliklari bo‘lgan bolalarni tashxislash, davolash, reabilitatsiya qilish hamda jismoniy va psixosotsial rivojlanishida orqada qolgan yoki bunga xavfi bor bolalarga erta yordam berish masalalari, bolalarning jismoniy rivojlanishi, ko‘krak suti bilan boqish va bolalarni sog‘lom ovqatlantirish hamda mikronutrient yetishmovchiligini oldini olish va bartaraf etish, Toshkent tibbiyot akademiyasi va Respublikada laborator – instrumental imkoniyatlar va ulardan foydalanish masalalari, sog‘lom turmush tarzi, bolalar va o‘smirlar reproduktiv salomatligi, bolalar kasalliklarini oldini olish, bolalar salomatligini saqlash va mustahkamlash masalalari muhokama qilindi. Ushbu to‘plamda pediatriyaning dolzarb masalalariga bag‘ishlangan konferensiya materiallari keltirilgan.

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## THE EFFECT OF IODINE DEFICIENCY ON THE DEVELOPMENT OF THE ENDOCRINE SYSTEM AND HEREDITARY DISEASE IN CHILDREN

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**Enter.** It is known that there is a significant lack of trace element iodine in unfavorable environmental conditions, and this deficiency is especially evident during the mother's pregnancy, and later causes the development of various diseases in babies and children. These include miscarriage, stillbirth, congenital malformation of the child, mental retardation, increased neonatal mortality rate, and physical retardation of the child during pregnancy.

**The purpose** of the research is to study the effect of iodine deficiency on the mother-child endocrine system in the industrialized regions of the Fergana Valley.

**Materials and methods.** Andijan Medical Institute Department of Hospital Pediatrics and Regional Screening Center "Mother and Child" in collaboration studied the condition of 25 babies born to 25 mothers diagnosed with "thyroid hypoplasia". Physical development of babies was monitored using anthropometry. The activity of the thyroid gland was studied using the radioimmunological method (on the "Viktor" apparatus) on the 7-10th day of the babies' life. The results were processed statistically according to the Student criterion.

**Results.** From the anamnesis of 25 examined mothers, it was revealed that they did not receive a preventive dose of iodine during pregnancy. Their incidence rates were as follows: diffuse goiter - (grade I - 14.0%; grade II - 52.1%), autoimmune thyroiditis - 16.0%, mixed goiter - 13.5%, postoperative goiter - 4.6 % ( $P < 0.001-0.01$ ).

Apgar status of 25 babies under our observation was as follows: satisfactory - 58.5%, average weight - 35.5%, severe - 6.0%. According to the incidence rate of babies, congenital hypothyroidism-7.0%, transient hypothyroidism-13.5%, congenital low birth weight-23.1%, premature birth-4.4%, asphyxia-34.0%, pneumopathy-16.1% , anemia-55.7%, hereditary nephritis-0.3% ( $P < 0.001-0.05$ )

**Summary.** The conclusion is that in the conditions of the industrialized regions of the Fergana Valley, pregnancy in the mother against the background of iodine deficiency leads to deep interrelated changes in the endocrine system of the mother and child, which is one of the main reasons for the child's physical and psychosomatic growth retardation and the development of hereditary nephritis, and in the primary medical center confirms the need to strengthen prevention of iodine deficiency.

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BOLALAR KASALLIKLARI DIAGNOSTIKASINING YANGI  
IMKONIYATLARI”**

**mavzusidagi ilmiy-amaliy xalqaro anjuman materiallari**

**TO‘PLAMI**

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NASH.lits. AA № 8798  
«TIBBIYOT NASHRIYOTI MATBAA UYI» MЧЖ  
Toshkent shahri, Olmazor tumani, Shifokorlar, 21



**TIBBIYOT NASHRIYOTI MATBAA UYI**

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Объем – 8,0 а.л. Тираж – 100. Формат 60x84. 1/16. Заказ № 1668-2022. О  
Отпечатано «TIBBIYOT NASHRIYOTI MATBAA UYI» MЧЖ  
100109. Ул. Шифокорлар 21, тел: (998 71)214-90-64, e-mail: rio-tma@mail.ru  
№ СВИДЕТЕЛЬСТВА: 7716