



# CUTTING-EDGE SCIENCE 2022

international scientific and practical conference



# 2022

## SHAWNEE, USA

**International scientific and practical conference**

## **CUTTING EDGE-SCIENCE**

2022 Shawnee, USA

Conference Proceedings

**Primedia E-launch**

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### **PRIMEDIA E-LAUNCH**

**International scientific and practical conference**

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litigation supervision cases and other major matters in accordance with relevant regulations.

Thus, it can be concluded that further improvement of the legislation in the field of participation of the prosecutor in civil proceedings should be carried out taking into account both positive and negative experience of foreign countries.

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### **Clinical and diagnostic parallels of diseases of the peripheral nervous system in children.**

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**Abstract.** At present, there is a high frequency of organic lesions of the peripheral nervous system (PNS) in children associated with both inflammatory and hypoxic-ischemic processes, which result in demyelination and/or degeneration of nerve fibers. The severity of damage to the nervous system, the rapidity of the development of the disease, high mortality and the frequency of disability in children determine the relevance of their study.

Purpose of the study. Assess the significance of clinical and pathogenic determinants in the occurrence of peripheral nervous system disease

Materials and research methods. 100 patients aged from 3 months to 17 years were under observation. The average age of children with PNS diseases is  $4.2 \pm 1.5$  years.

Depending on the duration of the increase in neurological symptoms, among patients with PNS diseases, an acute course was diagnosed, in which there was an increase in symptoms within 3-14 days with a complete reverse regression within 1-2 months; protracted course, in which there were repeated relapses or continuous progression lasting from 2 weeks to 6 months with reverse partial or complete regression within 6-12 months

Research results. The acute onset of the disease with rapid progression of cerebral and / or focal symptoms within 1-4 days was more typical for polyneuritis, and was also noted in 56% of cases with plexitis. Whereas with ganglionitis, the gradual development of the clinical picture was more often noted, over several days, and sometimes weeks. Also, with ganglionitis, in 56.3% of cases, neurological symptoms were observed in children earlier (a few months - up to 2 years), and in 80% (n=64) they regressed in the absence of any treatment. Such symptoms included dizziness and ataxia, blurred vision in one eye, sensory disorders by hemitype. When analyzing outpatient records and collecting anamnestic data on past infectious diseases in children with polyneuritis, it was found that the most common were chicken pox, otitis, tonsillitis and / or tonsillitis and intestinal infections, the frequency of which was 72.7%, 45.3%, 44.7% and 36.0%, respectively.

Conclusions: Thus, infectious diseases of the peripheral nervous system are of great interest from the point of view of clinical and neuroimaging data and allow us to differentiate these disorders from neuroinfection, which confirms the relevance of the study.

## CONTENTS

### GENERAL SCINECES

|                                                                                                                                                                                                          |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Juraeva N. T., Mahmudova A. Dzh., Radjabova M. A.:</b> Hereditary coagulation factor ii deficiency – hypothrombinemia.....                                                                            | 3  |
| <b>Kamilov Kh.M, <sup>1</sup> Ismailova D.F, <sup>2</sup> Saidazimova M.A. <sup>3</sup>:</b> Efficiency of rigid gas permeable lenses (rgp) in the treatment of patients with keratoconus.....           | 10 |
| <b>Kamilov X.M., Khamraeva G.Kh., Saydalieva N.M.:</b> Analysis of the effectiveness of surgical treatment methods of the inferior oblique muscle.....                                                   | 12 |
| <b>Khamrayeva G.Kh. , Saidazimova M.A., Ismailova D.F.:</b> Results of retrospective analysis of patients with optical neuropathy .....                                                                  | 14 |
| <b>Ataniyazov M., Khamidov A.:</b> The effectiveness of anticoagulant therapy in Covid-19 associated ischemic stroke.....                                                                                | 17 |
| <b>Pulatova K. S., Inoyatov Sh. Sh., Muradov Sh. B.:</b> Reduced sexual dysfunction in young adults with excess body mass and arterial hypertension.....                                                 | 19 |
| <b>Khanova M.N.</b> Neuropsychological symptoms in patients with acquired non-Wilsonian hepatocerebral degeneration.....                                                                                 | 22 |
| <b>Majitov M. A.</b> Issues on the deformation of the social role of the individual.....                                                                                                                 | 24 |
| <b>Akhmetov A. A., Akhmedov Sh. A., Niyazov M. A.</b> The basic principle of the precision farming system.....                                                                                           | 28 |
| <b>GENERAL SCINECE</b>                                                                                                                                                                                   |    |
| <b>Khudanov B.O., Daminova Sh.B., Abdurahimova F.A., Gulyamov D.T.:</b> Factors influencing tooth caries in children.....                                                                                | 33 |
| <b>Hajiyeva S.R., Gadirova E.M., Nuruyeva K.I.:</b> Determination of pesticides in fruits.....                                                                                                           | 35 |
| <b>Guliyeva E.A., Fatullayeva P.A., Haqverdiyeva T.M. , Akhmedova Z. S., Aliyeva J.J.</b> Binuclear complexes of cu(ii),ni(ii),co(ii) with bis(salicylidene)hydrazine.....                               | 38 |
| <b>Fatullayeva P.A., Guliyeva E.A, Mejidov A.:</b> Metal complexes with bis-br-salicylhydrazones of malonic acid dihydrazide.....                                                                        | 41 |
| <b>Hasanguliyeva N.M., Shakunova N.V., Agayeva S.A., Litvishkov Yu.N.:</b> Hydrothermal microwave synthesis of Nano sized comn - oxide catalysts of liquid-phase oxidation of aromatic hydrocarbons..... | 44 |
| <b>Yolchuyeva E.A., Rashidova F.F.:</b> Analysis of pesticides in the composition of grape varieties Bayan shire and sauvignon cabernet.....                                                             | 48 |
| <b>Ismailova B.A.:</b> Selection of catalysts for esterification reactions and theirsurface survey.....                                                                                                  | 51 |
| <b>Niftaliyeva K.:</b> Typological characteristics of the modern media system.....                                                                                                                       | 55 |

|                                                                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Rustamova S.:</b> Influence of students' learning skills and intellectual indicators on the quality of higher education.....                                                    | 57  |
| <b>Nadirova Sh.M.:</b> The educational significance of the Koroglu epic.....                                                                                                       | 61  |
| <b>İbrahimov R.:</b> History of the emergence and formation of mobile journalism in the media system.....                                                                          | 65  |
| <b>Abasova N.:</b> Role of environmental pollution in the emergence and development of liver disease.....                                                                          | 67  |
| <b>Abasova N.:</b> Fatal bleeding from long-term use of anticoagulants after coronary stenting in patients with peptic ulcer and coagulopathy.....                                 | 70  |
| <b>Gasimova S.:</b> A new look at the bolshevik movement in azerbaijan in the early xx century: an examination of the problem in the soviet and contemporary period.....           | 73  |
| <b>Gasimova V.Kh., Huseynova L.A.:</b> Estimation of influence of the “INFANVIR” preparation on the several infectious diseases of the vegetable plants.....                       | 76  |
| <b>Fatullayeva P.A., Mejidov A.A.:</b> Synthesis and structure of cu (II) and vo(II) complexes with salicylic acid hydrazide and 3,5-ditretbutyl salicylic aldehyde hydrazone..... | 78  |
| <b>Guliyeva E. Arif Aga, Jalaladdinov F. F., Asgerova T.Y., Haqverdiyeva T. M.:</b> Synthesis of Cu (II), Ni (II), Co (II) complexes with hydrazide of maleic acid.....            | 83  |
| <b>Khudanov B.O., Gulyamov D.T., Abdurahimova F.A.:</b> The comparative efficiency of using Quantitative light induced fluorescence technology in predicting tooth caries.....     | 86  |
| <b>Karimova M.H., Inomjonova M.I., Askarova N.A., Saginova J.T.</b> Modern aspects of keratorefractive interventions.....                                                          | 87  |
| <b>Suyunov N.K.</b> The main idea of the novel M. Semenova "Valkyrie".....                                                                                                         | 94  |
| <b>Iskandarov A. B.</b> Assessment of noise and illumination at the main production sites of silk spinning.....                                                                    | 100 |
| <b>Yazdonov D.</b> Complex numbers in Diophantine equations.....                                                                                                                   | 103 |
| <b>Doskalieva G.B. Mamatalieva Sh.Kh.,</b> Participation of the prosecutor in civil proceedings under the legislation of foreign countries.....                                    | 105 |
| <b>Zohidjon N. Ismailov</b> Clinical and diagnostic parallels of diseases of the peripheral nervous system in children.....                                                        | 112 |