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# **CUTTING-EDGE SCIENCE 2023**



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# **CUTTING EDGE-SCIENCE**

2023 Shawnee, USA

Conference Proceedings

**Primedia E-launch**

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**Part-2**

## **PRIMEDIA E-LAUNCH**

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# **CUTTING EDGE-SCIENCE**

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## Clinical diagnostic features of Parkinson's disease dementia

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**Background:** Parkinson's disease (PD) is one of the most common neurological diseases, which is very common in the elderly. According to population studies, dementia occurs in 20-40% of patients with PD and becomes the main cause of maladaptation of patients.

Keywords: Parkinson's disease, PANDA scale, dementia

**Objective:** To increase the reliability of the development of dementia in patients with PD by a comparative assessment of PANDA, PD-CRS scales and level of dehydroepiandrosterone sulfate

**Methods:** We examined 80 patients with PD, who were divided into 30 patients depending on the presence or absence of cognitive impairment and dementia. As a control, we also examined on a voluntary basis 20 healthy persons recognized as such by a special commission.

The diagnostic efficacy of neurosteroids has been established, including the level of DHEAS and cortisol in the blood serum of patients for early diagnosis of cognitive impairment and monitoring the effectiveness of therapy, identifying a risk group in PD. Cognitive status was analyzed using the MMSEs scale, FAB and MoCa to identify dementia.

**Results:** Test indicators of cognitive impairment revealed a distinct difference in digital values, characterized by low data on MMSE, FAB and MoCa in patients of the main group.

Cortisol revealed a tendency to its increase in the blood in patients of the main group ( $1053,9 \pm 39,1$ ), both in relation to the comparative ( $616 \pm 16,5$ ) and control groups ( $437,4 \pm 13,3$ ). The level of dehydroepiandrosterone sulfate progressively decreased,

reaching its minimum value in patients of the main group ( $2,4 \pm 0,4$ ). The comparative group ( $6,3 \pm 0,7$ ) in this case occupied a borderline value.

Two bipolar tendencies between hormones were identified in the form of a direct relationship with cortisol and an inverse relationship with dehydroepiandrosterone sulfate. However, the significance of these relationships with the scales was at different levels of significance. So, in the case of cortisol, the inverse correlation gradually increased depending on the level of approximation of the MMSE/FAB/MoCa scales. At the same time, the level of the hormone dehydroepiandrosterone sulfate did not change unequivocally.

**Conclusions:** The diagnostic efficacy of neurosteroids was established, including the level of dehydroepiandrosterone sulfate and cortisol in the blood serum of patients for the early diagnosis of cognitive impairment and monitoring the effectiveness of therapy, identifying a risk group in PD.

5. Шамис А.В. Порядок и условия исполнения наказания в воспитательно-трудовых колониях. М., 1981. С. 5 и др. // Shamis A.V. The procedure and conditions for the execution of punishment in educational labor colonies. M., 1981. P. 5 and others.
6. Дети-преступники / Под ред. М.Н. Гернета. С. 5. // Children-criminals / Ed. M.N. Gernet . С. 5.
7. [http://portali-huquqi.tj/publicadliya/view\\_qonunhoview.php?Showdetail=&asosi\\_id=20063](http://portali-huquqi.tj/publicadliya/view_qonunhoview.php?Showdetail=&asosi_id=20063)
8. [http://portali-huquqi.tj/publicadliya/view\\_qonunhoview.php?showdetail=&asosi\\_id=23544](http://portali-huquqi.tj/publicadliya/view_qonunhoview.php?showdetail=&asosi_id=23544)
9. [http://adlia.tj/show\\_doc.fwx?Rgn=137019&login=yes](http://adlia.tj/show_doc.fwx?Rgn=137019&login=yes)
10. <https://asiaplus.news/news/tajikistan/security/20220227/pochemu-v-tadzhikistan-ne-snizhaetsya-uroven-detskoj-prestupnosti/>
11. <https://asiaplustj.info/tj/node/309112>.
12. <https://www.mfa.tj/ru/main/view/3958/zakon-respubliki-tadzhikistan-ob-otvetstvennosti-roditelei-za-obuchenie-i-vozpitanie-detei>
13. <https://cabar.asia/ru/tadzhikistan-uroven-detskoj-prestupnosti-ne-snizhaetsya>
14. Бриллиантов А.В. Дифференциация наказания: уголовно-правовые и уголовно-исполнительные проблемы: Дис. ... д-ра юрид. наук. М., 1998. С. 224; // Brilliantov A.V. Differentiation of punishment: criminal law and penitentiary problems: Dis. ... Dr. jurid. Sciences. M., 1998. P. 224;
15. Невский В.В. Теория и практика исполнения уголовных наказаний в отношении несовершеннолетних: Моногр. Домодедово, 1998. С. 75. // Nevsky V.V. Theory and practice of the execution of criminal penalties against minors: Monograph. Domodedovo, 1998, p. 75.
16. Беляева Л.И. Воспитательная колония как вид исправительного учреждения // Цели и средства уголовной и уголовно-исполнительной политики в отношении несовершеннолетних: Сб. материалов международ. науч.-практ. конф. (Вологда, 26–27 ноября 2009 г.): В 2 ч. Вологда, 2009. Ч. 1. С. 148; // Belyaeva L.I. Educational colony as a type of correctional institution // Goals and means of criminal and penitentiary policy in relation to minors: Sat. materials international . scient.- pract . conf . (Vologda, November 26–27, 2009): At 2:00 Vologda, 2009. Part 1. P. 148;
17. Кашуба Ю.А., Пономарев С.Н. Основы современной уголовно-исполнительной политики России в отношении несовершеннолетних. СПб., 2009. С. 145 и др. // Kashuba Yu.A., Ponomarev S.N. Fundamentals of the modern penitentiary policy of Russia in relation to minors. SPb., 2009. P. 145 and others.
18. Беляева Л.И. Несовершеннолетний в ВК: что полезно знать воспитателю. М., 1997. С. 7. // Belyaeva L.I. A minor in VK: what is useful for a teacher to know. M., 1997. P. 7.

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