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INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS



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indicated above; improves tissue trophism. Therefore, ultrasound therapy is widely used in clinics of internal diseases, arthrology, dermatology, otolaryngology, etc.

BIOELECTRIC ACTIVITY OF THE BRAIN

Mullajonov I.

Tashkent medical academy

The electroencephalograph is, in essence, a voltmeter, in the potentials of the brain that enter the surface of the skull. Placing electrodes (usually eight or sixteen) on the skull bilaterally in standard leads, perform simultaneous recording on a polygraph. In a healthy, waking adult, a characteristic alpha-rhythm, low-amplitude waves with a vibration frequency of about ten per second, is detected in the closed state with closed eyes. With open eyes or with intense mental activity, the curve is flattened. In young children, delta waves are recorded normally, which are much slower (less than four oscillations per second) and differ in greater amplitude. In adolescence, these waves are replaced by theta waves (from four to seven oscillations per second). In adults, slow waves are usually absent, observed only in a state of sleep.

The highest EEG value is for the diagnosis of epilepsy. It is characterized by “peaks” (short high-amplitude discharges) or “sharp waves” (longer duration, but also with high amplitude). The alternation of peaks and delta waves with a frequency of three oscillations per second is a classic feature of generalized absences.

Lecture

1. Б.Т. Рахимов. The role of innovative educational technologies in teaching biophysics. research and education. 2023. issn: 2181-3191 volume 2 | issue 3 | 202 91-99.
2. Б.Т. Рахимов, Х.А. Мухитдинов, З.Р. Жўраева. Алгоритм обучения биофизике с использованием инновационных образовательных технологий. 30.03.2023 Innovative Development in Educational Activities issn: 2181-3523 volume 2 issue 6 2023. 191-200.
3. М.И. Базарбаев, Д.И. Сайфуллаева, Б.Т. Рахимов, З.Р. Жўраева Роль информационных технологий в медицине и биомедицинской инженерии в подготовке будущих специалистов в период цифровой трансформации в образовании. 10.10.2022. ТТА. Ахборотномаси. 8-13.
4. Б.Т. Рахимов. Современное состояние биофизики и особенности преподавания биофизики в медицинском вузе. Formation of psychology and pedagogy as interdisciplinary sciences. Italia © Sp. z o. o. "CAN", 2021 © Authors, 18-27.
5. Б.Т. Рахимов, М.И. Базарбаев, А.З. Собиржонов Состояние проблемы подготовки студентов-медиков к решению профессиональных задач в обучении биофизике. New Day in Meditcina. www.bsmi.uz <https://newdaymedicine.com> E: ndmuz@mail.ru. 4/54/200-207
6. M.I.Bazarbayev, B.T.Raximov, A.Z.Sobirjonov, D.I.Sayfullayeva, Z.R.Jurayeva, S.I.Ixrrova The Importance of Digital Technologies in the Teaching of Fundamental Sciences in Medical Universities. American Journal of Medicine and Medical Sciences. American Journal of Medicine and Medical Sciences 2023, 13(6): 814-820 DOI: 10.5923/j.ajmms.2023.13.06.09
7. Bobur Raximov. Innovative technologies in teaching biophysics. Дара публикации 2021/4/24 Издатель Tashkent medical academy Описание This article provides information on innovative technologies used in the teaching of biophysics and their importance.

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