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MODERN POSSIBILITIES OF REHABILITATION FOR CRANIOVERTEBRAL PATHOLOGY

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Abstract

Craniovertebral junction (CVJ) pathology is a defect in the occipital bone, foramen magnum, or the first two cervical vertebrae, resulting in decreased space for the lower brainstem and cervical spinal cord. One of the important components in the treatment of patients with CVP is restorative treatment both after surgical treatment and in cases where surgical treatment is not indicated [Safin Sh.M., 2019].

Keywords: kinesiotherapy, physiotherapeutic methods, approach in balneology.

Rehabilitation for CVJ includes a set of techniques aimed at restoring lost functions. In the presence of a motor deficit, kinesiotherapy is used with the selection of specialized exercises for a specific muscle group. Recently, techniques from robotic simulators with computer support and biofeedback have been actively introduced into clinical practice. The RT200 is the only system that provides simultaneous functional stimulation of the upper and lower extremities. This type of therapy is called "hybrid" therapy, which has been successfully used by rehabilitation specialists in recent years. Positional treatment, therapeutic massage and physiotherapeutic methods (including acupuncture) in combination with the use of botulinum toxin type A have positively proven themselves in spasticity of the muscles of the extremities [Akhmadeeva L.R., 2017]. Modern hardware relaxation techniques are actively included in clinical practice in CEP. The use of non-contact hydromassage " Aquarelax " is a new approach in balneology. Hydromassage bath " Aquarelax " is divided into six zones, water is supplied under pressure through 24 nozzles, which can simultaneously massage all parts of the body. In case of impaired coordination in order to train balance, increase the support function of paretic limbs, to improve the stability of the vertical position and reduce the risk of falling, the stabilometric platform is

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actively used in rehabilitation programs. The use of the STABLE system can be combined with interactive games, which increases patient motivation and allows effective monitoring of therapy progress.

Thus, in addition to classical methods, modern rehabilitation opportunities for CVP are replenished with new hardware methods that complement the established programs, improve the quality of life of patients and are an economically beneficial measure for the state and society, counting on the reduction of days on the disability list and the system of providing rehabilitation treatment to the able-bodied population.

Literature:

1. EASL-EASD-EASO Clinical Practice Guidelines for the management of non-alcoholic fatty liver disease // J Hepatol . 2016. Vol. 64. P. 1388–1402.
2. Non-alcoholic fatty liver disease in adults: clinic, diagnosis, treatment. Recommendations for therapists, third version / L.B. Lazebnik [i dr.] // 2021. No. 185 (1). C. 4–52
3. Abdusalomova, M., & Ravshanova, M. (2020). Osobennosti reabilitatsionnykh meropriyatij pri bolyakh v poyasnitse u sportsmenov, zanamiyushhikhsya sportom so skorostnymi i silovymi kachestvami. InterConf.
4. Бурханова Г. Л., мавлянова З. Ф., равшанова М. З. Convulsive syndrome in children: tactics of conduct //журнал биомедицины и практики. – 2022. – т. 7. – №. 1. №. 1.
<https://language.tadqiqot.uz/index.php/biomedicine/article/view/4368>
5. Мавлянова З. Ф., Ибрагимова М. Ш., Тохтиев Ж. Б. Изучение морфофункционального статуса и его особенностей у спортсменов, занимающихся курашем //журнал биомедицины и практики. – 2022. – т. 7. – №. 4. <https://tadqiqot.uz/index.php/biomedicine/article/view/5520>
6. Abdusalomova M.A., Mavlyanova Z.F., Khamrakulova F.M., Makhmudov S.M., Ravshanova M.Z. (2021). Children with Birth Trauma of the Cervical Spinal Cord and Spine (Obstetric Plexitis) According to the Age Periods. Annals of the Romanian Society for Cell Biology, 7077–7085. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/877>
7. Sharafova I. A., Mavlyanova Z. F., Sharipov R. Kh., Khaydarova S. R. (2021). Kinesiotaping: New Look at the Rehabilitation of Facial Nerve Neuropathy in

Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Ottawa Canada on December 10th, 2022.

www.conferencezone.org

- Children. Annals of the Romanian Society for Cell Biology, 4763–4768.
Retrieved from
<https://www.annalsofrscb.ro/index.php/journal/article/view/1979>
8. Камалова ё. А. Ўйин спортлари ва жанг санъатлари вакилларининг таркибий қисмларининг хусусиятлари //журнал биомедицины и практики. – 2022. – Т. 7. – №. 4. – 2022. – Т. 7. – №. 2. – с. 2020. <https://tadqiqot.uz/index.php/biomedicine/article/download/5517/5222>
9. Mavlyanova Z. F. et al. Correlation of neurological and nutritive status in children with cerebral paralysis //european journal of molecular & clinical medicine. – Т. 7. – №. 2. – с. 2020. https://www.ejmcm.com/article_2365_10c437813579ff2dfe2d43cda89cbc59.pdf
10. Sulayemanova N.E., Rakhimova H.M., Yuldashova N.E. Features of the appointment of drugs for elderly patients. J.Cardiorespiratory Research Special Issue 2, 2021, pp. 113-118. <https://tadqiqot.uz/index.php/cardio/article/view/5582>
<https://tadqiqot.uz/index.php/cardio/article/view/5582/5284>
11. Абдусаломова Мафтуна Акбаровна, Мавлянова Зилола Фарҳадовна, Махмудов Сардор Мамашарифович Оптимизация медико-социальной реабилитации при болезни Дюшенна //: <https://cyberleninka.ru/article/n/optimizatsiya-mediko-sotsialnoy-reabilitatsii-pri-bolezni-dyushenna>
12. Mavlyanova, Zilola, et al. "Improving the tactics of treating children with severe cerebral palsy." European Journal of Molecular & Clinical Medicine 7.2 (2020): 2020. https://ejmcm.com/article_2366_b8ee379773f1c297c6f9892b076d2d7b.pdf
13. Z. F. Mavlyanova Nutritional status of children with cerebral palsy <https://doi.org/10.31146/1682-8658-ecg-185-1-82-88>
14. Khudoykulova F, Mavlyanova Z, Kamalova Y, Ibragimova M, & Abdullayeva N.(2022). Non-alcoholic fatty liver:, 2022,, <https://doi.org/10.5281/zenodo.6651517>
15. Payzullaeva U,Kan S, Z Mavlyanova <https://www.ikprress.org/index.php/PCBMB/article/view/5455>.

Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Ottawa Canada on December 10th, 2022.

www.conferencezone.org

-
16. Z.F., Mavlyanova correlation
https://ejmcm.com/article_2365_10c437813579ff2dfe2d43cda89cbc59.pdf
17. Z. Mavlyanova ,G Burkhanova MRavshanova,S Makhmudov
https://ejmcm.com/article_2366_b8ee379773f1c297c6f9892b076d2d7b.pdf
18. Аблакулова, М., Хусинова, Ш. и Юлдашова, Н. 2022.
<https://doi.org/10.47689/2181-1415-vol3-iss1-pp171-179>.
19. Akbarovna, K. S.
<https://cajmns.centralasianstudies.org/index.php/CAJMNS/article/view/1151>
20. Sharafova I. A., Mavlyanova Z. F.,
<https://www.annalsofrscb.ro/index.php/journal/article/view/1979>
21. Ablakulova M Kh.Khakimova L R.Abdukhamidova D. Kh.Ahmedova M M
<https://media.neliti.com/media/publications/429420-the-need-for-a-prescription-by-family-do-c1a1195a.pdf>
22. Шоира Хусинова, Муниса Аблакулова, Лейла Хакимова Процесс рационального назначения лекарственных средств и выбор персонального лекарства в практике ВОП // ОИИ. 2020. №1/S. URL:
<https://cyberleninka.ru/article/n/protsess-ratsionalnogo-naznacheniya-lekarstvennyh-sredstv-i-vybor-personalnogo-lekarstva-v-praktike-vop>
23. Лапасов С.Х., Хакимова Л.Р., Аблакулова М.Х., Валиева М.Х. диагностика, лечение и профилактика хронического гепатита b с позиции доказательной медицины // человек и его здоровье. 2015. №3. url:
<https://cyberleninka.ru/article/n/diagnostika-lechenie-i-profilaktika-hronicheskogo-gepatita-b-s-pozitsii-dokazatelnost-meditsiny>
24. Хакимова Л. и др. результаты оценки знаний и навыков слушателей последипломного медицинского образования посредством использования тестов множественного выбора //медицинское образование сегодня. – 2018. – с. 116. <http://elib.kirovgma.ru/sites/default/files/3-2-pb.pdf#page=116>
25. L.Khakimova, D. Abdukhamidova, M. Ahmedova, & M.Ablakulova. (2022). acne in allergic skin diseases. texas journal of medical science, 8,
<https://zienjournals.com/index.php/tjms/article/view/1818>
26. Хусинова, Ш., & Аблакулова, М. (2017). Преддиабет. Журнал проблемы биологии и медицины, (1 (93), 215–217. извлечено от
https://inlibrary.uz/index.php/problems_biology/article/view/2968

Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Ottawa Canada on December 10th, 2022.

www.conferencezone.org

- 27.Камалова, Ё., Наимова, Х., Мавлянова, З., & Набиев, З. (2014). физиотерапия при острых респираторных заболеваниях у детей и подростков. журнал проблемы биологии и медицины, (3 (79), 108. извлечено от https://inlibrary.uz/index.php/problems_biology/article/view/5063
- 28.Камалова Ё А, Джуманов Ж А Значение лечебной гимнастики в комплексе методов физической реабилитации больных остеохондрозом поясничного отдела позвоночника // вестник науки и образования. 2020. №23-3 (101). url: <https://cyberleninka.ru/article/n/znachenie-lechebnoy-gimnastiki-v-komplekse-metodov-fizicheskoy-reabilitatsii-bolnyh-osteohondrozom-poyasnichnogo-otdela>
- 29.Mavlyanova Z. F. et al. Correlation of neurological and nutritive status in children with cerebral paralysis //European Journal of Molecular & Clinical Medicine. — 2020. https://ejmcm.com/article_2365_10c437813579ff2dfe2d43cda89cbc59.pdf
- 30.Полянская, О., Тащук, В., Амелина, Т., Гулага, О., & Камолова, Ё. (2016). Коморбидное течение ишемической болезни сердца и хронической обструктивной болезни легких: сочетанные звенья патогенеза. Журнал проблемы биологии и медицины, (3 (89), 71–74. извлечено от https://inlibrary.uz/index.php/problems_biology/article/view/3607
- 31.Камалова, Ё., & Собирова, Ш. (2022). изучение возрастных особенностей функционального и физического развития юных спортсменов. журнал вестник врача, 1(2), 41–42. <https://doi.org/10.38095/2181-466X-2020942-40-41>