

Karpovich M.E., Rykov A.G., Volovik V.E., Kozhevnikova S.Y.

Optimization of treatment of lumbar intervertebral disc hernias complicated with resistant compression- radicular syndrome using laser puncture sequester vaporization method

Osteochondrosis is one of the most frequent diseases of the musculoskeletal system. The conservative therapy has short period effect, because it doesn't remove the cause of the discogenic compression. The usage of laser puncture intervertebral discs reconstruction with simultaneous sequester vaporization method at the treatment of complicated forms of lumbo-sacral dorsopathies was investigated. It was revealed that the application of the method in most cases lead to the pain decrease, extension syndrome disappearance, radicular sensory disorders and motorical radicular prolapses disappearance. In 92, 9% of cases the total disappearance of orthopedic violations was noticed.

Keywords: laser disk reconstruction, sequester vaporization, lumbo-sacral dorsopathies.

REFERENCES:

1. Zhulev N.M. Spinal osteochondrosis: guide for physicians / N.M. Zhulev, J.D. Badzgaradze, S.N. Zhulev. - Spb.: Lan', 2001. - 592 p.
2. Cosel A.I. Minimally invasive surgery dorsopathy / A.I. Cosel, L.D. Sac / VIII Intern. Congress, European Medical Laser Association. - M., 2001. - P. 39-40.
3. Treatment of osteoarthritis of the lumbar spine by percutaneous laser discectomy / S.P. Mironov, G.I. Nazarenko, A.M. Cherkashov [et. al.] // N.N. Priorov Journal of Traumatology and Orthopedics. - 1999. - № 2. - P. 19-24.
4. Nikolaev A.P. Percutaneous laser nucleotomy / A.P. Nikolaev, A.F. Lazarev, I. N. Smirnov // Kremlin medicine. - 1999. - № 1. - P. 3.
5. Invasive neurosurgical intervention for discogenic sciatica / E.G. Pedachenko, M.V. Khizhnyak, A.F. Tanaseychuk [et al.] // Modern minimally invasive technologies: Proceedings of the symposium. - Spb., 2001. - P. 338-339.
6. Khabirov F.A. Clinical spine Neurology. - Kazan.: "Mari Poligraphic Publishing Works", 2002. - 472 p.
7. Khelimsky A.M. Chronic discogenic pain syndromes of the cervical and lumbar degenerative disc disease. - Khabarovsk.: "RIOTIP", 2000. - 256 p.

AUTHORS:

1. Karpovich Marat E. - Resident of Department of Traumatology and Orthopedics, Dorozhnaya Clinical Hospital St. Khabarovsk 1, JSC "Russian Railways", E-mail: drkarpovich@list.ru;
2. Rykov Alexander G. - head of Department of Traumatology and Orthopedics Hospital Dorozhnaya Clinical Hospital St. Khabarovsk 1, JSC "Russian Railways", MD, Professor, Department of Traumatology and Orthopedics DVGMU;
3. Volovik Valery E. - MD, prof., head of Department of Traumatology and Orthopedics IPKSZ;
4. Kozhevnikova Svetlana Yulyevna - PhD, resident of anesthesiology and critical care medicine and orthopedics, Dorozhnaya Clinical Hospital St. Khabarovsk 1, JSC "Russian Railways", Assistant of Anesthesiology and Critical Care Medicine chair, DVGMU.