

THE USE OF PHYSIOTHERAPY PROCEDURES IN THE EARLY REHABILITATION PERIOD IN WOMEN AFTER LAPAROTOMY OPERATIONS ON THE ORGANS OF THE ABDOMINAL CAVITY AND PELVIS

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ABSTRACT

The aim of the work is to provide a scientific justification of the rehabilitation complex for the early rehabilitation treatment of women after laparotomic operations on the organs of the abdominal cavity and pelvis, to evaluate its effectiveness in comparison with conventional treatment. Research design. A randomized, placebo-controlled, comparative, blinded clinical trial of 85 women who underwent laparotomy operations was conducted. The rehabilitation complex included, in addition to surgical wound care, regimen and diet (similar to the comparison group), laser irradiation of the surgical wound, exposure to pulsed low-frequency electrostatic fields (PLFEF), reflex therapy with extremely high frequency electromagnetic fields (EHF puncture).

KEYWORDS: *Electrostatic, Low-Frequency, Justification, Conventional*

LIST OF LITERATURE:

1. Belov G.V., Tyulyueva A.K. Physiological and pathophysiological bases of application of physiotherapeutic techniques in the early rehabilitation period // *Medicine of Kyrgyzstan*. - 2010. - No. 5.- pp. 29-30.
2. Kovalenko Z.A. The concept of early rehabilitation ("fasttrack") in abdominal surgery // *Questions of balneology, physiotherapy and therapeutic physical culture*. 2013. Vol. 90. No. 4. pp. 53-56.
3. Lyadov K.V., Shapovalenko T.V., Romashin O.V. Methodological and organizational foundations of early rehabilitation of patients in a multidisciplinary hospital // *Issues of balneology, physiotherapy and therapeutic physical culture*. - 2013. - No. 4.- pp. 4-8.
4. Kehlet H. Principles of fast track surgery. Multimodal perioperative therapyprogramme // *Chirurg*. - 2009.-Vol. 80, № 8. - P. 687-689.
5. Moldasarina R.S. Rehabilitation of women after conservative and surgical treatment / R.S. Moldasarina, G.K. Manabayeva, Zh.E. Akylzhanova, A.M. Rashidova // *Bulletin of the medical Institute "REAVIZ": rehabilitation, doctor and health*. 2021. No. 5 (53). pp. 92-104.
6. Ponomarenko G.N., Silantieva E.S., Kondrina E.F. Physiotherapy in reproductive gynecology. - SPB: VMA, 2008. 192 p.
7. Korchazhkina N.B., Mikhailova A.A., Kolgaeva D.I., Kovalev S.A., Rzhovsky V.S. Substantiation of the inclusion of pulsed low-frequency electrostatic massage in complex therapeutic and rehabilitation programs // *Physiotherapy, balneology and rehabilitation*. 2019. Vol. 18. No. 3. pp. 191-194.
8. Portnov V.V. Modern technologies of physiotherapy // *The role of modern physiotherapy and phytotherapy in complex treatment programs*. - Bishkek. 2007. - pp. 6-32.
9. The use of therapeutic and diagnostic magneto-IR laser devices "Milta-F-8-01" in medical practice: a manual for doctors / *Comp.: V.A. Builin, A.K. Polonsky, Yu.V. Alekseev et al.* M.: 2005. p. 188.
10. Safronov B.G. Mokryakov I.A., Tsarkov M.V., Polyatykina O.V. Physical substantiation of the method of computer phonoenterography // *Physical Medicine*. - 2005. - Vol. 15, No. 1. - pp. 41-44.
11. Banz V.M. Improving outcome after major surgery: pathophysiological considerations. /V.M. Banz, S.M. Jakob, D. Inderbitzin // *Anesth. Analg.*2010. - Vol. 08, № 24.
12. Mackay M.R., Ellis E., Johnston C. Randomised clinical trial of physiotherapy after open abdominal surgery in high risk patients // *Aust J Physiother*. - 2005.-Vol. 51, № 3. - P. 151-9.
13. Belov G.V., Akhunbaev S.M., Uzakov T.B., Bekov T.A. Medical rehabilitation of patients who underwent laparotomy operations. Guidelines. Bishkek, 2021, 36 p.
14. Gräfe G. Is phonoenterography suitable for determining postoperative intestinal motility? // *Zentral.bl. Chir.* 1984; 109(4):245-53.

15. Santamaría JI., Sugrue M., Redfern M. Computerized phonoenterography: the clinical investigation of a new system / M. Sugrue, // J. Clin.Gastroenterol.1994 Mar; 18(2):139-44.
16. Yamaguchi K., Yamaguchi T., Odaka T., Saisho H. Evaluation of gastrointestinal motility by computerized analysis of abdominal auscultation findings // J. Gastroenterol. Hepatol. 2006 Mar; 21(3)