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PROS AND DISADVANTAGES OF OSTEOSYNTHESIS IN EMERGENCY

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annotation

Rationale: There are three fundamental approaches to performing osteosynthesis operations: urgently, plannedly, and a third option, in which some of the operations are performed urgently, and some in a planned manner.

Target: The study was to evaluate the feasibility of a strategy for performing emergency osteosynthesis operations in a level 1 trauma center.

KEYWORDS: osteosynthesis, tactics of osteosynthesis, efficiency of osteosynthesis

HOW TO QUOTE: Belenky I.G., Manukovsky V.A., Tulupov A.N., Demko A.E., Kandyba D.V., Sergeev G.D., Mayorov B.A., Barsukova I.M., Adzhimuradov B. .O., Gladneva V.V. Pros and cons of emergency osteosynthesis. Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022;2(7):5-11

TREATMENT TACTICS OF SEVERE COMBINED INJURY (POLYTRAUMA) BASED ON AN INDIVIDUAL PREDICTION OF THE DURATION AND OUTCOME OF TRAUMATIC SHOCK (+/-T-PROGNOSIS). LECTURE

Authors

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SUMMARYThe tactics of treating victims with severe injuries remains an urgent problem. The desire of surgeons to do everything at once often ends in death, so an important task is to divide surgical treatment into stages depending on the severity of the injury and the response to it (damade control).

KEYWORDS:severe combined injury, polytrauma, severity of injury, traumatic shock, treatment of polytrauma, damade control, +/- T-prognosis.

HOW TO QUOTE. Manukovsky V.A., Tulupov A.N., Gromov M.I., Belenkiy I.G., Demko A.E., Besaev G.M., Peregudov S.I., Yesenokov A.A., Rutovich N. .IN. Treatment tactics for severe combined trauma (polytrauma) based on individual prognosis of the duration and outcome of traumatic shock (+/-T-prognosis) // Journal of Emergency Surgery named after. I.I. Dzhanelidze. 2022. 2 (7): 12-23

OSTEOSYNTHESIS OF COMPLEX INTRA-ARTICULAR FRACTURES OF THE DISTAL RADIUS WITH A DORAL DISTRACTION PLATE (literature review)

Authors

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annotation

SUMMARY: Fracture of the distal radius is one of the most common skeletal injuries. However, there is still no “gold standard” for the treatment of such injuries, especially in the case of complex intra-articular fractures. One of the options for osteosynthesis is bridge-like fixation with a dorsal distraction plate, but it is little used by domestic surgeons.

Purpose of the study:to present systematic modern data on the indications for use and clinical effectiveness of the use of a dorsal distal distraction plate in osteosynthesis of complex fractures of the distal radius. The paper describes the surgical technique for installing a distraction plate, and also presents data from foreign authors regarding the incidence of complications, functional and anatomical results of treatment using the technique under study. Also identified are issues relevant for further study aimed at comparative analysis with alternative treatment methods, as well as assessment of long-term functional results.

KEYWORDS:fracture of the distal radius, distal metaepiphysis, external osteosynthesis, distraction plate, intra-articular fracture.

HOW TO QUOTE: Sergeev G.D., Belenkiy I.G., Mayorov B.A., Sergeeva M.A., Fomin K.N., Gladneva V.V. Osteosynthesis of complex intra-articular fractures of the distal radius with a dorsal distraction plate (literature review) // Journal of Emergency Surgery named after. I.I. Dzhanelidze. 2022. 2(7):24-30.

FRACTURES OF THE BONES OF THE DISTAL FOREARM. HISTORY AND CURRENT STATE OF THE ISSUE (literature review)

Authors

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annotation

SUMMARY: The article provides an excursion into the history of the formation and development of approaches to providing care for fractures of the distal forearm. Various aspects of the issue under consideration are covered in many ways. The process of diagnostics evolution is revealed as new technical capabilities, as well as the means of its implementation, improve and emerge. Particular attention is paid to the treatment of this type of damage. A critical assessment of modern approaches and methods of treating fractures of the distal forearm is given. The issues of their current epidemiology and classification are considered. Emphasis is placed on assessing the results of treatment and optimizing their criteria for an objective comparison of the outcomes of medical care.

KEYWORDS:distal forearm, fracture, epidemiology.

HOW TO QUOTE: Polikarpov A.V., Kashansky Yu.B. Fractures of the bones of the distal forearm. History and current state of the issue (literature review) Journal "Emergency Surgery" named after. I.I. Dzhanelidze. 2022. 2(7):31-40

FEATURES OF TREATMENT OF PATIENTS WITH PERIPROSTHETIC FRACTURES AFTER HIP ENDOPROSTHETICS

Authors

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annotation

SUMMARY: The study assessed the immediate results of treatment of patients with periprosthetic fractures after hip replacement depending on the type of fracture, the stability of the femoral component and the quality of the bone tissue.

KEYWORDS:periprosthetic fracture, endoprosthetics, hip joint, femoral component.

HOW TO QUOTE: Khominets V.V., Metlenko P.A., Kudyashev A.L., Dresvyannikov A.L., Chernyshev V.V., Fakhrutdinov D.R. Features of treatment of patients with periprosthetic fractures after hip replacement. Journal "Emergency Surgery" named after. I.I. Dzhanelidze. 2022. 2(7):40-47

MECHANICAL SHOCKOGENIC INJURY, DYNAMICS OF MORTALITY IN A FIRST LEVEL TRAUMA CENTER

Authors

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Annotations

SUMMARY: The article presents information on mortality in victims with shockogenic trauma, in-hospital, and during various periods of the disease. To determine the severity of injury, we used publicly available criteria and a prognostic algorithm developed at the St. Petersburg Research Institute of Emergency Medicine named after. I.I. Dzhanelidze.

KEYWORDS:hospital stage, shockogenic injury, traumatic illness, periods of traumatic illness, mortality.

HOW TO QUOTE: Lapshin V.N., Manukovsky V.A., Tulupov A.N., Gavrishchuk Ya.V., Demko A.E., Afonchikov V.S., Barsukova I.M., Razumova N.K. Mechanical shockogenic injury, dynamics of mortality in a first-level trauma center. Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022;2(7):48-53
CONFLICT OF INTEREST: The authors declared no conflict of interest

TECHNOLOGIES OF THREE-DIMENSIONAL PLANNING AND PRINTING IN TRAUMATOLOGY AND ORTHOPEDICS

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annotation

SUMMARY: Advances in MRI and CT data processing are opening up the possibility of widespread clinical use of 3D printing technology, which provides the surgeon with a realistic physical model of the anatomy of the intervention site, helping to create a surgical plan and perform the operation.

Purpose of the study:based on data from modern scientific publications, study the possibilities of three-dimensional printing in traumatology and orthopedics.

KEYWORDS:three-dimensional printing, additive technologies, modeling in traumatology and orthopedics, individual modeling

HOW TO QUOTE: Akulaev A.A., Povaliy A.A., Belenkiy I.G. Technologies of three-dimensional planning and printing in traumatology and orthopedics. Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022;2(7):54-61

FEATURES OF USE OF PERSONAL PROTECTION EQUIPMENT FOR LOWER LIMBS DURING HUMANITARIAN DEmining

Authors

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annotation

SUMMARY: Based on a study of the impact of explosion factors of high-explosive anti-personnel mines of various power on the lower limb, the minimum permissible parameters of the sole (platform) for the mine-resistant footwear being developed were determined. An analysis of the tactical and technical characteristics of high-explosive anti-personnel mines and their design features that influence the damaging effect of the lower extremities was carried out. The characteristics of commercially available models of mine-resistant boots are analyzed from the point of view of reducing the impact of the explosion of high-explosive anti-personnel mines or explosive charges of various powers.

KEYWORDS:explosion, sapper, mine, land mine, protection, demining, injury, mine-resistant shoes, personal protective equipment for sappers, humanitarian demining.

HOW TO QUOTE: Khominetz V.V., Lyakhovets G.A., Shakun D.A., Denisov A.V. Features of the use of personal protective equipment for lower extremities during humanitarian demining. Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022; 2(7):62-68

OUR EXPERIENCE IN SURGICAL STABILIZATION OF THE RIPAL FRAME IN MULTIPLE FRACTURES OF THE RIBS AND ROBAL VALVE

Authors

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annotation

SUMMARY: The relevance of the problem of treating patients with severe thoracic injuries is beyond doubt. Promising for these injuries are surgical interventions to restore the frame of the chest.

Purpose of the study: to evaluate the early results of surgical stabilization of the rib frame in patients with multiple rib fractures and rib valve. This article presents short-term results of treatment of patients of this profile, laying the foundation for further research.

KEYWORDS: rib fracture, multiple rib fractures, floating chest, osteosynthesis, rib osteosynthesis

HOW TO QUOTE: Isaev M.V., Mayorov B.A., Smirnov S.S., Sergeev G.D. Our experience in surgical stabilization of the rib frame for multiple rib fractures and rib valve. Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022; 2(7):69-74

SURGICAL TREATMENT OF A PATIENT WITH UNSUCCESSFULLY OPERATED SPINE SYNDROME (clinical observation)

Authors

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annotation

SUMMARY: The article presents a clinical case of surgical treatment of a patient for a degenerative disease of the lumbosacral spine. The article discusses in detail the data of clinical and instrumental research methods and the results of surgical treatment in chronological order.

Target: focusing the attention of specialists on the problem of treating patients with syndrome of unsuccessfully operated spine, which occurs despite the use of modern decompressive and stabilizing high-tech techniques.

KEYWORDS: intervertebral disc herniation; spinal instability; spinal imbalance; spinal fusion, back pain

HOW TO QUOTE: Khominets V.V., Nagorny E.B., Nadulich K.A., Teremshonok A.V., Kudyashev A.L., Strelba A.A. Surgical treatment of a patient with syndrome of unsuccessfully operated spine (clinical observation). Journal "Emergency Surgery named after. I.I. Dzhanelidze". 2022; 2(7); 75-80.