

THEMATIC PLAN OF LECTURES

in subject «Traumatology and orthopedics» for 5's year faculty of foreign students,
specialty 1-79 01 01 «General Medicine»

*(Thematic plan was approved at a meeting of the Department of Traumatology,
Orthopedics and War surgery (protocol No. 4 dated 18.04.2020))*

Lectures:

1. Introduction to Trauma and Orthopedics.
2. Fracture healing.
3. Open fractures.
4. Osteoarthritis and Spondylopathy.
5. Polytrauma (Multiple trauma).
6. Acquired static deformities of the limb and spine.
7. Orthopedic oncology. Idiopathic avascular necrosis of the bones. Osteochondropathy.
8. Neuromascular Disease.

Head of the department

Yu. M. Cherniakova

CONTENTS

Lectures:

1. Introduction to Trauma and Orthopedics.

The history of Trauma and Orthopedics. Examination in Trauma and Orthopaedics. Clinical features and cordial signs of bone fractures and dislocation. Radiographic features of the fractures and dislocation. Treatment for fractures. Indications for different types. Traction methods of treatment for fractures. Skeletal tension. Surgical treatment of fractures.

2. Fracture healing.

The biology of fracture healing. Non union and pseudoarthrosis, it`s etiology, diagnostic, treatment, prophylaxis.

3. Open fractures.

Open fractures, it`s classification and treatment, complication. Posttraumatic chronic osteomyelitis. Transporting immobilization.

4. Osteoarthritis and Spondylopathy.

Osteoarthritis, it`s clinical features, diagnostics and treatment. Total joint replacement. Spondylopathy, it`s clinical features, diagnostics and treatment.

5. Polytrauma (Multiple trauma).

Mechanical injuries, classification. Highenergy trauma. Damage control (multiple trauma treatment) at medical care echelon. Rehabilitation during multiple trauma treatment.

6. Acquired static deformities of the limb and spine.

Natural posture of the Spine. Natural posture disorders types. Scoliosis. Clinical features, diagnostics and treatment. Congenital Muscular Torticollis, it`s clinical features, diagnostics and treatment. Acquired static deformities of the Foot, The Flatfoot. Hallux Valgus. Treatment.

7. Orthopedic oncology.

Idiopathic avascular necrosis of the bones.

Osteochondropathy. Benign Bone Tumors. Malignant Bone Tumors. Clinical features, diagnostics and treatment. Idiopathic avascular necrosis of the bones, it`s clinical features, diagnostics and treatment. Osteochondropathy (Perthes' Disease, Osteochondritis Dissecans (OCD), juvenile kyphosis- Scheuermann's disease, Osgood-Schlatter's Disease, Seever's Disease).

8. Neuromuscular Disease.

Cerebral Palsy. Polio. Spina bifida (myelodysplasia). Spinal cord injury. Clinical features, diagnostics and treatment.