

## **THEMATIC PLAN OF PRACTICAL CLASSES**

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))*

### **PRACTICAL CLASSES**

1. Examination in Traumatology and Orthopedics.
2. Treatment in Traumatology and Orthopedics.
3. Clavicle and Shoulder injury.
4. Elbow, Forearm, Hand, Wrist and Metacarpal injury.
5. Hip and Knee injury.
6. Leg and Foot injury.
7. Pelvis, Spine and Rib injury.
8. Pediatric (children`s) orthopedics.

Head of the department

Yu. M. Cherniakova

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## **Practical classes:**

### **1. Examination and treatment in Trauma and Orthopedics.**

Limb axis diagnostics tests. Limb axis disorders. Methods for limb Length measuring. Range of motion and joint flexibility Tests. Clinical features and cordial signs of bone fractures and dislocation. Radiographic features of the fractures and dislocation. Pediatric fractures.

### **2. Examination and treatment in Trauma and Orthopedics.**

Treatment for fractures. Indications for different types. Traction methods of treatment for fractures. Skeletal tension. Surgical treatment of fractures.

### **3. Clavicle and Shoulder injury.**

Clavicle Dislocation. Fractures of the Clavicle. Glenohumeral Dislocation. Proximal Humeral Fractures. Humeral Shaft Fractures. Distal Humeral Fractures (Supracondylar and Intercondylar Fractures). Clinical features, diagnostics and treatment. Complication.

### **4. Elbow, Forearm, Hand, Wrist and Metacarpal injury.**

Dislocation of the Elbow. Proximal Forearm Fractures. Distal Radius Fractures. Forearm bone shaft fractures and fracture with dislocation. Hand, wrist and metacarpal fractures and dislocation. Flexor and Extensor Tendon Injuries of the Hand. Clinical features, diagnostics and treatment. Complication.

### **5. Hip and Knee injury.**

Traumatic Dislocation of the Hip. Femoral Neck Fractures and Intertrochanteric Fractures of the Hip. Treatment in different age group. Femoral Shaft Fractures. Distal Femoral Fractures and Fractures of the Tibia Plateau. Fractures of the Patella. Meniscus Tear. Ligament injuries to the knee. Clinical features, diagnostics and treatment. Complication.

### **6. Leg and Foot injury.**

Patellar Tendon Avulsion and Rupture of the Quadriceps, Achilles tendon Rupture. Tibia Shaft Fracture. Ankle (Malleolar) Fractures. Fractures of the Foot. Clinical features, diagnostics and treatment. Complication.

### **7. Pelvis, Spine and Rib injury.**

Fractures of the Pelvis. Classification, clinical features, diagnostics and treatment. Trauma of the first and second cervical vertebrae. Classification, clinical features, diagnostics and treatment. Dislocations of the Spine. Fractures of the Spine. Rib fractures. Clinical features, diagnostics and treatment.

### **8. Pediatric (children`s) orthopedics.**

Causes of congenital orthopedics disorders. Prevention. Congenital Clubfoot. Congenital Muscular Torticollis. Congenital Dislocation (developmental dysplasia) of the Hip. Scoliosis. Clinical features, diagnostics and treatment.