Thematic plan of practical classes
IN TRAUMAtology AND ORTHOPEDICS

1. Introduction to the profession. Features survey of orthopedic and trauma patients.
2. Congenital clubfoot and muscle torticoli.
3. Hip dysplasia and congenital hip dislocation.

Modular Content 2. Damage to bones and joints.
4. Damage to the shoulder girdle and upper limb.
5. Damage to the spine and pelvis. Traumatic disease, multiple trauma.

Modular Content 3. Destructive-degenerative and inflammatory joint diseases.
7. Degenerative-dystrophic diseases of joints.
8. Inflammatory joint diseases.
9. Diseases of the spine (congenital and acquired).
10. Final module control.

THEMATIC PLAN and questions to the lectures IN TRAUMAtology AND ORTHOPEDICS

I. Introduction to the profession. Trauma care, polytrauma.
Modern principles of treatment and rehabilitation of patients with lesions of the musculoskeletal apparatus.

1. The contribution of local scientists in the development of traumatology and orthopedics. Orthopedic and trauma education in Ukraine.
2. Trauma injuries. Types of injuries.
5. Classification of fractures. Modern principles of treatment. Based on the symptoms of which can establish the diagnosis of a fracture?
10. Damage in the field of ankle-stage joint. The clinic, diagnosis, treatment.
II. Congenital malformations of the musculoskeletal apparatus.

1. Etiology, pathogenesis, clinical signs of congenital muscular torticollis.
2. Conservative and surgical treatment of congenital muscular torticollis, indications and methods.
3. The definition of "scoliosis" and classification of scoliosis with etiology.
4. Pathogenesis of sciotic disease, its extent and clinical features.
5. Basic principles of early recognition of sciotic disease.
11. Likuvannya before hip dislocation in newborns, the first year of life and children over 3-4 years.
12. Kliniko-roentgenological diagnosis of congenital hip dislocation before the age of 1 year.
13. Osoblyvosti treatment of congenital hip dislocation in different age groups.
Treatment for congenital clubfoot 15. Konsrvatyvne, its methods and indications.  
16. The surgical treatment of congenital clubfoot, its methods and indications.

III. Degenerative-dystrophic diseases of the spine and joints.

   articular cartilage (histology and biochemistry).  
4. Forms dystrophic-degenerative lesions of joints.  
5. Anti-inflammatory drugs used to treat OA. Classification, mechanism of action.  
6. The principles of conservative and surgical treatment of OA.  
7. Osteochondrosis. Pathogenesis, clinical picture,
IV. Specific and nonspecific inflammatory diseases of the joints

1. Classification of inflammatory joint disease
2. Reactive arthritis. The clinic, diagnosis, treatment.
3. Specific inflammatory joint diseases (bacterial arthritis, tuberculosis of bones and joints).
4. Tuberculosis of bones and joints. The clinic, diagnosis, treatment.
5. Nonspecific inflammatory diseases of the joints (rheumatoid arthritis, psoriatic arthritis, deviation, ankylosing spondylitis, etc.).
7. Rheumatoid arthritis. Classification, the stage of activity, functional failure of the joint.
8. Rheumatoid arthritis. Clinic on stages in the course.
10. Ortopedychna prevention of contractures and deformities in RA.
V. Tumors diseases of the musculoskeletal apparatus.

1. Determination of tumor (benign, malignant).
2. Classification of tumors.
5. Benign tumors of connective tissue.

Thematic plan of the extracurricular
STUDENT’S WORK.

1. Multiple and combined injuries, traumatic shock. Principles of diagnosis
and treatment.

2. Osteochondropatia (Leg-Calvet-Pertes; Osgood-Shlyater, Koehler I, II; Shoyerman-Mau; Calvet; Kinbek, etc.).

3. Soft tissue injuries (bruises, bleeding, damage to communications).

4. Disease Dupuytren, Ledderhoz, Peyronie.

5. Arthropyathy (diabetic, psoriatic, etc.).

6. Tumors of the movement and support.

7. Fibrotic osteodystrophy (Paget's disease, Reklingauzen, etc.).

8. Epicondylitis, degenerative-dystrophic diseases of the soft tissues.

9. Anomalies of arms and legs.
SCHEME of the Abstractive Case history.

1. Passport part.
2. The complaints of the patient at the time of examination.
3. Medical history of the disease.
4. Medical history of life.
5. The general condition of the patient (cardiovascular, respiratory, digestive, urinary tract).
6. Objective orthopedic examination (inspection, palpation, measurement of lengths and inspection functions of limbs).
7. Description radiographs segments that were examined.
8. Research data.

11. Final diagnosis.

12. The mechanism of injury (etiopathogenesis of the disease with literature data and characteristic clinical signs).

13. Methods of treatment of such injuries (disease) depending on the duration of disease stage, age, etc.

14. Reasonable treatment plan the patient.

15. Possible errors and complications.


17. References.
List of questions for Final module control KNOWLEDGE FOR ORTHOPEDIC

1. The contribution of local scientists in the development of traumatology and orthopedics.
2. Orthopedic School in Ukraine, History of the Department of Traumatology and Orthopedics NMU O.O. Bogomolets
5. Radiodiagnosis dysplasia hip joint.
7. Treatment of dysplasia of the hip joint.

8. Treatment of congenital hip dislocation in children under 1 year.

9. Clinic and treatment of congenital hip dislocation after 1 year.


18. Operative treatment of scoliosis.
21. Ploskostupist. The clinic, diagnosis, treatment principles.
24. Technology amputation, amputation types, priority of domestic scientists.
25. Defects and diseases of the amputation stumps.
27. Osteohondropatiya femoral head. The clinic, diagnosis, treatment.
28. Osteohondropatiya buhrystosti tibia.
Ambulatory treatment.

29. Rheumatoid arthritis.
Etiopathogenesis. Pathomorphologic picture.

30. Rheumatoid arthritis. Classification, the stage of activity, functional failure of the joint.

31. Rheumatoid atryt. Clinic on stages in the course.


33. Differential diagnosis infektartrytu.

34. Orthopedic prevention of contractures and deformities in infektartryti.


37. Clinic and classification of spastic paralysis.

38. The principles of conservative and
surgical treatment of spastic paralysis.


40. Regeneration of bone tissue.

41. Fractures in the surgical neck of humerus. Classification, diagnosis, treatment principles.

42. Diaphyseal fractures of the humerus, clinic, diagnosis, treatment.


44. Diaphyseal forearm fractures. The clinic, diagnosis, treatment.

45. Damage Montedzha and Haliatsiya. The clinic, diagnosis, treatment.

46. Radius fractures in a typical place. Classification, clinical picture, diagnosis, treatment.

47. Scaphoid fractures addition. Classification, clinical picture and
treatment.

48. Folkmana contracture. The clinic, diagnosis, treatment.

49. Damage Bonnets. The clinic, diagnosis, treatment.


51. Fractures of fingers addition. The clinic, diagnosis, treatment.

52. Treatment of injuries fractures addition.


55. Diaphyseal fractures of the femur. Classification. The clinic, diagnosis, treatment.
56. Fractures of the femur condyles. The clinic, diagnosis, treatment.
57. Fractures of the tibia condyles. The clinic, diagnosis, treatment.
61. Fractures plyusny. The clinic, diagnosis, treatment.
63. Treatment of fractures of the pelvis in violation of the rear ring. The period of disability.
64. Treatment of a vertical fracture of the pelvic ring (anterior and posterior broadening rings).
65. Fractures of transverse processes of vertebrae. The clinic, diagnosis, treatment.
68. Operative treatment of fractures of the vertebrae. Indicators transactions.
69. Fractures of the olecranon. The clinic, diagnosis, treatment.
73. Shoulder dislocation. The clinic, diagnosis, treatment.
74. Central hip sprain. The clinic, diagnosis, treatment.
75. Dislocation forearm. The clinic, diagnosis, treatment.
76. Dislocation finger first addition. The clinic, diagnosis, treatment.
77. Hip dislocation. The clinic, diagnosis, treatment.
78. Leg sprain. The clinic, diagnosis, treatment.
79. First aid for damaged musculoskeletal system.
82. Damage to menisci of the knee joint. The clinic, diagnosis, treatment.

83. Damage to the ligaments of the knee
joint and ankle joint. The clinic, diagnosis, treatment.

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