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CONSPECTUS Propedeutics of surgery 2015/2016

1. Introduction to surgery. Basic periods in the development of the surgery. Determination of the surgery as medical specialty.
2. Antisepsis. Definition, historical data, agents and their clinical applications.
3. Asepsis. Principles. Technical devices and principles of the sterilization. Preparation of the operative team and the patient for an operation.
4. Congenital diseases. Etiology. General principles of their treatment.
5. Congenital anomalies of the cranium, face and neck.
6. Congenital anomalies of the thorax and thoracic organs.
7. Congenital anomalies of the abdominal wall and abdominal organs.
8. Congenital anomalies of the genitor-urinary system.
9. Congenital anomalies of the extremities.
10. Acute purulent infection. Causative microorganisms-sites of entering and spreading. Tissues' processes. Local and general symptoms.
11. Furuncle, carbuncle and hidradenitis.
12. Hot abscessus-structure. Consisting of the unspecific puss. Local and general symptoms. Phlegmon-pathoanatomical and clinical features.
13. Erysipelas-etiology, types, classification, clinical picture and evolution and treatment.
14. Osteomyelitis-causative microorganisms, the ways of dissemination in the bone, evolution of the process. Acute hematogenic osteomyelitis. Chronic osteomyelitis. Principles of treatment of the chronic osteomyelitis.
15. Purulent arthritis-etiology, types, classification, clinical picture and evolution and treatment.
19. Systemic purulent infection, toxemia, sepsis, septicopyemia. Development, clinical features and principles of treatment.
20. Anaerobic gas infection-causative microorganisms, conditions for development. Tissues processes, local and general symptoms. Prophylaxis and treatment.
21. Anthrax- etiology, types, classification, clinical picture and evolution and treatment.
22. Tetanus. Etiology, pathogenesis, classifications, clinical picture and treatment policies and prophylaxis.
23. Actynobacteriosis. Etiology, pathogenesis, classifications, clinical picture and treatment policies and prophylaxis.
24. Tuberculosis. Etiology. Pathogenesis. TBC spondylitis and arthritis.
25. Necroses and gangrenes-classification, development, pathological and clinical characteristics. Principles of treatment.
26. Ulcers-classification, pathological characteristics, clinical features and principles of treatment.
27. Fistulas-classification, etiology. Clinical features and principles of treatment.
28. Acute arterial ischemy. Embolization – types. Reasons, consequences and clinical picture. Principles of treatment.
29. Chronic vascular insufficiency. Classification. Etiology and clinical evolution. Aneurisms. Obliterative thrombangiitis. Reynaud disease. Principles of treatment.
30. Varices. Etiology and anatomical distribution. Esophageal, testicular and of the extremities. Clinical picture and treatment.
31. Thrombophlebitis, pulmonary embolism. Postphlebotic syndrome. Treatment.
32. Lymphatic disorders. Anatomical considerations. Clasiffications.

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Clinical evolution. Elephantiasis. Treatment.

33. Tumors-definition and classification. Theories for the tumorigenesis.

34. Benign tumors of epidermal and mesenchymal origins. Principles of treatment.

35. Malignant tumors of epidermal and mesenchymal origins. Principles of treatment.

36. Traumas-definition and classifications. General response of the organism.

37. Blunt mechanical traumas-classification. Clinical and pathologic features.

38. Open traumas(wounds)-classification. Shotgun wounds. Pathological processes in the wound.

39. Wounds after cutting and puncture. Pathological processes in the wound.

Treatment.

40. Wounds as a result of contusion and laceration. Clinical picture and treatment.

41. Biting wounds. Classification. Clinical evolutions and treatment.

42. Thermal injury. Local burns-staging. General changes and course of thermal disease. Treatment-local and systemic

43. Cold injuries-pathogenesis of tissue changes. Staging. First aid and treatment. Hypothermy.

44. Contusion, distorsion – definition, classification, pathological features. Clinics and treatment.

45. Joint dislocations- definition, classification, pathological features. Clinics and treatment.

46. Bone fractures- definition, classification, pathological features. Clinics and treatment.

47. Healing of wounds-pathophysiological processes. Primary and secondary healing. Scars.

48. Treatment of the wounds-primary surgical care-technique and goal. Suturing of the prepared wound. Indication and contraindication. Primary and secondary sutures.

49. Transplantation. Background. Biological considerations. Principles of organ transplantations.