

THE CONTENT OF ELECTIVE PRACTICAL CLASSES «PRACTICAL SKILLS IN OPERATIVE SURGERY» FOR 6 YEAR STUDENTS

PRACTICAL CLASS №1

Topic: Surgical instruments. Surgical sutures and knots

Plan of the class

I. Gheck up questions:

1. The rules and ways of connection and disconnection of tissues.
2. Classification of surgical instruments, rules of instruments usage.
3. Suture material, requirements to it. Types of suture material.
4. Kinds of surgical knots and ways of their formation. Kinds of surgical sutures.

II. Practical training

1. Learning of surgical instruments.
2. Technique of making surgical knots and sutures.

PRACTICAL CLASS №2

Topic: Introduction to endovideosurgery

Plan of the class

I. Gheck up questions:

1. The main endovideosurgery equipment, rules of usage.
2. Instruments in endovideosurgery: instruments for surgical approach and maneuver.
3. Ways of operative space creating and their topographic-anatomical substantiation.

II. Practical training:

1. Learning of endoscopic surgical instruments.

PRACTICAL CLASS №3

Topic: Basic laparoscopic skills.

Plan of the class

I. Gheck up questions:

1. The concept of basic laparoscopic skills.
2. Kinds of endovideosurgical training simulators.

II. Practical training:

1. Practical exercises for adaptation of the visual analyzer and training of movement coordination.
2. Practical exercises for the transferring of rings, “stones” and complex constructions.
3. Training of tissue dissection and manipulations with scissors.

PRACTICAL CLASS №4

Topic: Surgical knots in endoscopy and methods of their formation

Plan of the class

I. Gheck up questions:

1. Technical means for endoscopic knots.
2. Extracorporeal knots, stages of their formation.
3. Semi-extracorporeal knots.
4. Intracorporeal knots.

II. Practical training:

1. Technique of making extracorporeal, semi-extracorporeal and intracorporeal knots.

PRACTICAL CLASS №5

Topic: Endoscopic sutures

Plan of the class

I. Gheck up questions:

1. Instruments and filaments for sutures in endovideosurgery.
2. Hemostasis, clipping and surgical stapling instrument in endosurgery.
3. Kinds of endoscopic sutures, features of their making.

II. Practical training:

1. Technique of making endoscopic sutures on training simulators.

PRACTICAL CLASS №6

Topic: Basis of microsurgical technique

Plan of the class

I. Gheck up questions:

1. Optical equipment, instruments and suture material in microsurgery.
2. General principles of microsurgical technique.
3. Basis of microsurgical vascular suture.
4. Concept on nerve suture.
5. Microsurgical technique in clinical practice.

II. Practical training:

1. Technique of making microsurgical knots on training simulators.

PRACTICAL CLASS №7

Topic: Intestinal sutures and anastomoses. Basis of vascular and tendon sutures

Plan of the class

I. Gheck up questions:

1. Classification and requirements to intestinal sutures. Kinds of intestinal anastomoses, their characteristics.
2. Requirements to vascular suture. Classification.
3. Requirements to tendon suture. Classification.

II. Practical training:

1. Technique of making end-to-end intestinal anastomoses on models, isolated intestine and training simulators.
2. Technique of making vascular Carrel suture on training simulators.
3. Technique of making tendon suture on training simulators.

PRACTICAL CLASS №7

Topic: Experimental operations on organs of upper floor of the abdominal cavity

Plan of the class

Performing experimental operations:

1. Suturing experimental model of the stomach perforated ulcer and gastrostomy.
2. Atypical resection of the liver, hemostasis from parenchymal organs.
3. Splenectomy.

PRACTICAL CLASS №8

Topic: Experimental operations on the organs of the lower floor of the abdominal cavity

Plan of the class

Performing experimental operations:

1. Appendectomy.
2. Resection of the small intestine.
3. Colostomy and anus praeternaturalis formation.

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