

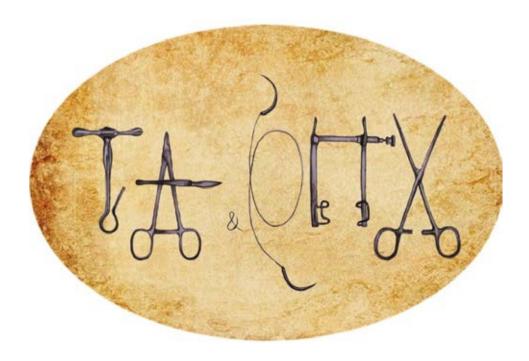
Андрейцев А.Н., Соловьева Н.Н.,

под редакцией д.м.н. Вищипанова А.С.

Электронная версия учебно-методического пособия для студентов международного факультета

Colloquium on topographic anatomy and operative surgery of the extremities

Tests for the Colloquium



1.	The s	tages of the operation, as a technological process, are:
1)		Dissection of the serous membrane
2)	\checkmark	Operative access
3)		Hemostasis in the wound
4)	~	Operative technique
5)	✓	Completion of the operation - closure of the surgical wound
2. used		en operations (with the formation of a surgical wound), the following types of surgical approaches are
1)	\checkmark	Straight line (through the projection of the body)
2)	V	Extra-sectional
3)		Oblique
4)	\checkmark	Projective
5)	②	Indirect (away from the projection lines of authority)
_		
3.	Perfo	rming endosurgical operations is possible by:
1)		Craniotomy (craniotomy)
2)	\checkmark	Thoraco - and laparoscopy
3)	\checkmark	Hysteroscopies
4)		Exposures of muscles, tendons, arteries, veins, nerves
5)	\checkmark	Intravascular access

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ТОПОГРАФИЧЕСКАЯ АНАТОМИЯ И ОПЕРАТИВНАЯ ХИРУРГИЯ

Раздел:

Модуль:

Тема:

	1110 1	asic rules of surgicul meision are.
1)		Ensuring straightness of the cut
2)		The strict layer separation region
3)	\checkmark	Each layer of the region is separated perpendicular to its plane
4)		Preliminary determination of the projection of the neurovascular bundle
5)		Simultaneous dissection of the layers of the anterior area of the shoulder when accessing a.brachialis
5.	The r	nain (typical) operational techniques that make up the stages of an open operation are:
1)	2	Separation of layers of the area (organ)
2)		Wound drainage
3)		Hemostasis in the wound
4)	\checkmark	Connection (joint) of the layers pane (on) and tying a knot (knots)
5)	\checkmark	Removing the skin seam
6.	The c	onditions that determine the basic equipment (typical) operational acceptance (by N.I. Pirogov):
1)		Sufficient illumination of the operating field
2)	~	Type of pathological process
3)	~	Anatomical structure of the organ (region)
4)	~	Physiological characteristics of the organ (region)
5)		The state of the cardiovascular system of the patient
7.	Oper	ation technique is:
1)	~	The essence of surgery

2)		Sufficient exposure of the target organ of the operation
3)	②	The set of actions of the surgeon on the object of the operation, aimed at the elimination of the pathological focus and recovery of the patient (or relief of his suffering and prolongation of life)
4)		The provision of the rules of asepsis
5)	②	The main, decisive stage of the operation
8.	Requ	irements for surgical incision:
1)		The shortest approach to the object of operational reception
2)	Ø	Incision taking into account the position of the neurovascular bundle, the direction of muscle bundles and fibers of aponeurosis
3)	~	Cosmetic postoperative scar
4)	~	To ensure complete visualization of the wound
5)	②	Minimal trauma of organs during operative access
9.	In the	e process of surgery, the following groups of surgical instruments are used:
1)	②	For separation of layers of area and organs
2)	②	To stop bleeding (hemostasis)
3)	②	Fixing tools and special tools
4)	Ø	To connect the layers of the region and on
5)		Tools to limit the operational field
10.	Rules	s of use of surgical instruments:
1)	~	The tool is used only for its intended purpose and in good condition
2)	\checkmark	The operating hand should feel the working part of the tool

3)		The surgical instrument must have sufficient strength
4)	②	All actions are performed by instruments smooth rhythmic movements based on the historical experience of handling techniques with each of them
5)	Ø	Take care of organs and tissues at all stages of surgery
11.	Laye	rs, areas and organs are separated in the following ways:
1)	\checkmark	Cut with cutting tools
2)	~	Disconnect in the stupid way
3)	~	Cut sawing tools and apparatus
4)		By hydraulic dissection
5)	Ø	Using physical methods (ultrasonic cutting, cryodestruction, laser and plasma "scalpels»)
12.	Whei	n performing the cut, the scalpel in the hand is fixed in the position:
12.	When	performing the cut, the scalpel in the hand is fixed in the position: "Writing pen»
1)	Ø	"Writing pen»
2)	Ø	"Writing pen» «Table knife»
2)	⊗	"Writing pen» «Table knife» The position of the scalpel in the brush does not matter
1) 2) 3) 4)	✓✓✓	"Writing pen» «Table knife» The position of the scalpel in the brush does not matter «Linkage»
1) 2) 3) 4)		"Writing pen» «Table knife» The position of the scalpel in the brush does not matter «Linkage»
1) 2) 3) 4) 5)		"Writing pen» «Table knife» The position of the scalpel in the brush does not matter «Linkage» "In the fist" (for amputation knife)
1) 2) 3) 4) 5)		"Writing pen» «Table knife» The position of the scalpel in the brush does not matter «Linkage» "In the fist" (for amputation knife) rding to the time of application, the following surgical sutures are distinguished:

4)		Secondary early
5)	②	Secondary late
14.	The a	ingle of the blade of the scalpel and the surface of the layer when applying the cut is:
1)		It doesn't matter
2)	②	At the beginning of the cut - 90®
3)	~	In the process of cutting - 45®
4)	②	At the end of the cut - 90®
5)		During the incision - 180®
15.	Elect	roscalpel, laser and plasma "scalpel" in addition to the separation of the parenchymal organ provide:
1)		Smooth the edges of the wound body
2)	\checkmark	Hemostasis
3)	~	Asepsis
4)		Elastic
5)		Sufficient visualization of the wound
16.	What	should I make sure before suturing a surgical wound?
1)		Is the view of the bottom and walls of the wound sufficient
2)		In the degree of reduction of the ends of the muscles
3)	~	In the thoroughness of hemostasis
4)		Is it possible to bring together the edges of your own fascia?
5)	\checkmark	In the absence of accidentally left foreign bodies (gauze balls, napkins, surgical instruments)
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17.	THE C	atting (trinedral) needle is used for a seam:
1)	~	The periosteum (perichondrium)
2)	~	Muscles
3)		Livers
4)	~	Own fascia (aponeurosis)
5)	\checkmark	Skin with subcutaneous base
18.	Roun	d atraumatic needles are used for the seam:
1)	~	Arteries and veins
2)	~	Parenchymal organ
3)		Periosteum
4)	\checkmark	Hollow organs of the digestive system and genitourinary apparatus
5)	~	Nerves
19.	The o	objectives of the primary surgical treatment of the wound are:
1)	~	Providing hemostasis
2)		Intra-arterial antibiotic therapy
3)	~	Prevention of wound infection
4)		The formation of contraperture
5)	\checkmark	Drainage of the wound by suturing it to the drainage

As external reference points for the construction of the boundaries of regio axillaris, the lower edges of the

muscles are used:

1)		m. teres minor
2)		subclavian
3)	~	m. pectoralis major
4)		the spinous part of the deltoid
5)	~	m. latissimus dorsi
21.	Fat o	f the fossa axillaris, contains:
1)		a. et V. axillaris with their branches
2)		n. phrenicus (CIII-CIV (CV)
3)	\checkmark	the ultimate branches of the II-III intercostal nerves
4)		pl. brachialis with nerves departing from it (CV-CVIII)
5)		axillary lymph nodes
5)	V	axillary lymph nodes
		axillary lymph nodes ugh the holes in the posterior wall of the axillary fossa, the subfascial cellular space is communicated
22.		
22. with:	Throu	ugh the holes in the posterior wall of the axillary fossa, the subfascial cellular space is communicated
22. with:	Throu	ugh the holes in the posterior wall of the axillary fossa, the subfascial cellular space is communicated spatium subpectorale
22. with: 1)	Throu	spatium subpectorale subdeltoid space
22. with: 1) 2) 3)	Throu	spatium subpectorale subdeltoid space anterior muscular-fascial shoulder bed
22. with: 1) 2) 3)	Throu	spatium subpectorale subdeltoid space anterior muscular-fascial shoulder bed scapular space
22. with: 1) 2) 3) 4)	Throu	spatium subpectorale subdeltoid space anterior muscular-fascial shoulder bed scapular space

2)		clavicular-pectoral fascia on the anterior surface of the pectoralis minor
3)		coracobrachialis muscle
4)	\checkmark	a deep plate of thoracic fascia along the posterior surface of m. pectoralis major
5)		the spine of the scapula
24.	The d	leep subpectoral space at the front and rear is limited:
1)		the pectoralis major muscle
2)	\checkmark	small pectoral muscle
3)		fascia of the coracobrachialis muscle
4)	~	a deep leaf of the fascia clavipectoralis covering the thoracic wall
5)		the deltoid fascia
25.	The c	ellular space of the neurovascular bundle of the axillary fossa has features:
25. 1)	The c	ellular space of the neurovascular bundle of the axillary fossa has features: located inside the vagina bundle
1)	2	located inside the vagina bundle
1)	⊘	located inside the vagina bundle top limited by the clavicle
1) 2) 3)	⊘	located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle
1) 2) 3) 4)	✓✓	located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle fixed to the small pectoral muscle fascia
1) 2) 3) 4) 5)		located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle fixed to the small pectoral muscle fascia axillary vein is separated by a septum from the same artery and nerves (branches of the brachial plexus)
1) 2) 3) 4)		located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle fixed to the small pectoral muscle fascia
1) 2) 3) 4) 5)		located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle fixed to the small pectoral muscle fascia axillary vein is separated by a septum from the same artery and nerves (branches of the brachial plexus)
1) 2) 3) 4) 5)	✓ ✓ ✓ The f	located inside the vagina bundle top limited by the clavicle formed by splitting of the posterior wall of the fascial sheath of the coracobrachialis muscle fixed to the small pectoral muscle fascia axillary vein is separated by a septum from the same artery and nerves (branches of the brachial plexus) oramine quadrilaterum of the posterior wall of the axillary fossa is limited:

4)		Big round and m. latissimus dorsi
5)		small round and subscapularis muscles
27.	In the	e Delta region through foramen quadrilaterum pass:
1)		axillary artery
2)	\checkmark	a. circumflexa humeri posterior, the artery and two accompanying veins
3)		subscapular artery and vein
4)	\checkmark	axillary nerve (CV - CVIII)
5)		lateral thoracic artery and two veins accompanying it
28.	Benc	hmarks against which for neurovascular bundle axillary region are distinguished triangles are:
1)		the head of the humerus
2)	$ \checkmark $	clavicle
3)		the coracoid process of the scapula
4)	\checkmark	the pectoralis major muscle
5)	②	small pectoral muscle
1		
29. regio		tion of the clavipectoralis, pectoralis and subpectoralis triangles throughout the neurovascular bundle ris is associated with the difference:
1)		anatomic relationship of the v. cephalica with the pectoralis major and deltoid muscles
2)	\checkmark	the composition of the neurovascular bundle
3)	$ \checkmark $	syntopia of the circulatory, lymphatic and nervous systems of the region
4)	2	the separation of the branches

30.	B triç	gonum pectorale to a. axillaris adjacent:
1)	\checkmark	front - small pectoral muscle
2)	~	lateral-lateral bundle of plexus brachialis
3)		medial-medial subcutaneous vein of the arm
4)	~	behind - the posterior bundle of the brachial plexus and m. subscapularis
5)	~	medial-medial bundle of the brachial plexus and V. axillaris
31. as fo	In tri ollows:	gonum subpectorale, in relation to the axillary artery, the branches of the brachial plexus are arranged
1)		medial and radial nerve
2)	\checkmark	lateral-muscular-cutaneous nerve
3)	\checkmark	anterior - n. medianus formed by the lateral and medial roots
4)	$ \checkmark $	medial - ulnar nerve and medial cutaneous nerves of the shoulder and forearm
5)	~	back - axillary nerve
32.		e nerves that are not related to the lower fixed portion of the shoulder joint capsule (between m. ris on top and tendon m. triceps brachii medially):
1)	Ø	radial
2)		ulnar
3)		axillary
4)	Ø	musculocutaneus
5)	\checkmark	medianus
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anatomical relationship with the muscles of the anterior wall fossa axillaris

5)

33.	10 (11	e laceral wan of the forumen quadriateram (contain chiral gleam numerus) adjacenti
1)		a. subscapular
2)		n. radialis
3)	Ø	n. axillaris
4)	②	a. circumflexa humeri posterior
5)		a. circumflexa scapulae
34.	The p	ourulent process (or hematoma) of regio axillaris can spread to the area:
1)	\checkmark	deltoid
2)	\checkmark	scapular
3)	\checkmark	front area of the shoulder
4)	\checkmark	lateral neck area
5)		anterior region of forearm
35.	The p	projection line of the axillary artery corresponds to the following external landmarks:
1)	②	anterior border of hair growth of the axillary region (N.I. Pirogov)
2)		the lower edge of the pectoralis major muscle
3)		medial edge of the coracoid brachial muscle
4)	\checkmark	the upward continuation of the sulcus bicipitalis medialis
5)	Ø	the border of the anterior and middle thirds of the width of the axillary fossa
36.	The s	supraspinatus bone-fibrous bed of the scapula is limited:
1)	~	fossa supraspinata rear surface of the scapula

2)		acromion
3)		the spine of the scapula
4)		supraspinatus fascia
5)		the neck of the scapula
37.	The s	upraspinatus bone-fibrous bed of the scapula contains:
1)		trapezius muscle
2)	\checkmark	the supraspinatus muscle
3)	\checkmark	supraspinatus cellular spaces space (between the scapula and the supraspinatus muscle)
4)	$ \checkmark $	suprascapular artery with its accompanying veins
5)	\checkmark	the supraspinatus nerve (CV-CVI)
38.	In for	mation infraspinatus bone-fibrous of scapula involved:
38. 1)	In for	mation infraspinatus bone-fibrous of scapula involved: deltoid
	In for	
1)		deltoid
1)	□✓	deltoid subacute fascia
1) 2) 3)	✓✓	deltoid subacute fascia spina scapulae
1) 2) 3) 4)	✓✓	deltoid subacute fascia spina scapulae infraspinatus fossa of the posterior surface of the scapula
1) 2) 3) 4)		deltoid subacute fascia spina scapulae infraspinatus fossa of the posterior surface of the scapula
1) 2) 3) 4) 5)		deltoid subacute fascia spina scapulae infraspinatus fossa of the posterior surface of the scapula the fascia of the deltoid muscle
1) 2) 3) 4) 5)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	deltoid subacute fascia spina scapulae infraspinatus fossa of the posterior surface of the scapula the fascia of the deltoid muscle spinatus bone-fibrous of the scapula includes:

4)		teres minor and infraspinatus muscles
5)	Ø	the continuation of the suprascapular artery (truncus thyrocervicalis)
40.	The r	adial nerve channel (shoulder-muscle channel) is formed:
1)		shoulder muscle
2)		deltoid tuberosity of humerus
3)	\checkmark	triceps muscle
4)		interstitial sulcus
5)	\checkmark	sulcus n. radialis of the humerus
41. land	The p	projection of the radial nerve in the posterior area of the shoulder corresponds to the line connecting the
1)	Ø	the middle of the rear edge m. deltoideus
2)		interarticular sulcus of the humerus
3)		medial sulcus of the biceps
4)		sulcus of the radial nerve of the humerus
5)	\checkmark	the lower end of the sulcus bicipitalis lateralis
42.	The p	projection line of the brachial artery corresponds to:
1)		humerus
2)	\checkmark	the medial edge of m. biceps brachii
3)	\checkmark	sulcus bicipitalis medialis
4)	Ø	a line connecting the top of the armpit to the middle of the distance between the medial epicondyle of the humerus and the tendon of the biceps

43.	"Arch	" ("roof") of the shoulder joint form:
1)		conical ligament
2)	\checkmark	lig. coracoacromiale
3)	\checkmark	acromion
4)	\checkmark	processus coracoideus
5)		the upper transverse ligament of the scapula
44.	The s	ynovial membrane of the shoulder joint forms depressions:
1)		recessus sacciformis
2)	\checkmark	interstitial vagina
3)	\checkmark	subtendinius bursa subscapularis muscle
4)	~	in the lower part (axillary inversion - isolated from clinical positions)
5)		the recesses are of no practical importance
45.	The b	ooundaries of the lower aperture of the axillary cavity correspond to:
1)		anatomical neck of the humerus
2)	~	the lower edge of the pectoralis major muscle
3)	~	the lower edge of the m. latissimus dorsi m et. teres major
4)		the spine of the scapula
5)	Ø	lines connecting the lower edge of the pectoralis major muscle and the latissimus dorsi muscle on the chest wall and shoulder

5)

sulcus bicipitalis lateralis

aperture of the axillary cavity is limited:
c - spina scapulae
t - clavicle
ial - I rib
op of the acromion
- upper edge of scapula
ower) opening of the radial nerve channel (between the middle and lower thirds of the humerus) is
ral intermuscular fascial septum of the shoulder
hial muscle
cobrachial muscle
al epicondyle of the humerus
t head of the biceps
eference points for determining the upper and lower boundaries of regio cubiti are:
ranon
medial epicondyle humeri
head of the radius bone
ondylus lateralis of the humerus
noid process of ulna
no

1)		The anterior elbow region
2)		Ulnar fossa.
3)	⊘	Elbow joint
4)	②	Posterior ulnar region
5)		Sulcus lateralis ulnaris
50.	Exter espond	nal landmarks of the fossa, where with a slightly bent forearm probes the head of the radius,
1)		Epicondylus medialis of the humerus
2)	②	Olecranon
3)	②	Lateral condyle of humerus
4)	②	Pit 1 cm down from epicondylus lateralis
5)		The coronoid process of the ulna
51.	In the	e posterior ulnar region n.ulnaris is located in the furrow ("channel"), the walls of which are formed:
1)		Medial crista of the condyle
2)	~	The medial edge of the olecranon
3)		The corocoid process of the ulna
4)	②	Sulcus nervi ulnaris medial epicondyle of the humerus
5)	~	Own fascia of the posterior ulnar region
52.	Synd	rome "channel" of the ulnar nerve is a complication:
1)	~	Arthrosis of the elbow joint

2)		Fracture of the medial condyle of the humerus
3)		Tourniquet in the upper third of the shoulder
4)	⊘	Habits to put elbows on the table
5)	~	Frequent flexion and extension of the forearm
53.	The p	oulse on the brachial artery in the anterior ulnar region is determined, focusing on:
1)		The head of the radius
2)	~	The tendon of the biceps
3)		The coronoid fossa of the humerus
4)		The middle of the line between epicondyles of humerus
5)	Ø	The medial edge of the aponeurosis of the biceps (lacertus fibrosus; fascia Pirogovi)
54.	Subc	utaneous veins of the anterior ulnar region that are used for intravenous injections:
54. 1)	Subc	utaneous veins of the anterior ulnar region that are used for intravenous injections: Medial subcutaneous vein of the forearm
	Subc	
1)		Medial subcutaneous vein of the forearm
1)	□✓	Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm
1) 2) 3)	✓✓	Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm Median elbow vein
1) 2) 3) 4)	✓✓	Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm Median elbow vein Median vein of forearm
1) 2) 3) 4)		Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm Median elbow vein Median vein of forearm
1) 2) 3) 4) 5)		Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm Median elbow vein Median vein of forearm Medial subcutaneous vein of the arm
1) 2) 3) 4) 5)		Medial subcutaneous vein of the forearm Lateral saphenous vein of the arm Median elbow vein Median vein of forearm Medial subcutaneous vein of the arm silica et V. cephalica in the anterior ulnar region form anastomoses, which are indicated by letters:

4)		«N»
5)		«Z»
56.	The r	neurovascular bundle of the ulnar fossa between the brachial (medial) and brachial (lateral) muscles is:
1)		n. ulnaris et a. collateralis ulnaris superior
2)		Median nerve
3)	②	Radial nerve
4)		Lateral subcutaneous vein of the arm and lateral cutaneous nerve of the forearm
5)	\checkmark	Radial collateral artery
57.	On th	ne capsule of the elbow joint between the shoulder muscle and m. supinator radial nerve gives branches:
1)		Posterior cutaneous nerve of the forearm
2)	Ø	Superficial branch
3)		Posterior ulnar nerve of the shoulder
4)	\checkmark	n. interosseus posterior
5)	\checkmark	r. profundus
58.	The b	prachial artery in relation to the aponeurosis of the biceps muscle of the shoulder is as follows:
1)		Upwards
2)		Medially
3)	~	Lateral
4)	②	Posterior
5)		To front
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59.	Nerv	es are adjacent to the capsule of the elbow joint:
1)		Medial cutaneous nerve of the forearm
2)	\checkmark	Deep branch of the radial
3)		Medianus
4)	\checkmark	Ulnar
5)		The surface branch of the radial
60. caps		nsufficient development of the fibrous membrane explains the localization of the "weak" places of the the elbow joint:
1)		At the level of the radius of the ulna
2)	Ø	In the posterior-upper part from the sides of olecranon et m. triceps brachii, where the joint is not covered by muscles
3)		At the head of the condyle of the humerus
4)	\checkmark	Use deepening (recessus sacciformis) medial to the radius of the neck directed downwards
5)		In the front-top section
61.	The s	kin of the front area of the forearm can be used for plastic surgery on the face, because it:
1)	~	Easily detaches from its own fascia
2)	~	Thin
3)	\checkmark	Mobile
4)	~	The properties close to the skin of the face
5)		Contains a large amount of sebaceous glands

62. To determine the projection of the median nerve in the anterior region of the forearm, the following external

land	landmarks are used:		
1)	\checkmark	The middle of the distance between epicondyles of humerus	
2)		The medial edge of the ulnar flexor of the wrist	
3)	~	Proximal end of thenar skin fold (when bringing the thumb)	
4)	②	The middle of the line between the styloid processes of the ulna and radius	
5)		The medial edge of the brachioradialis muscle	
63.	The p	projection line of the ulnar neurovascular bundle corresponds to the following external reference points:	
1)		The lateral edge of pronator teres	
2)	②	Medial epicondyle of humerus	
3)		Medial edge of the long flexor of the thumb	
4)	②	Pisiforme bone	
5)		Ulna	
64.	Exter	rnal benchmarks of the projection of the radial artery:	
1)		Radius	
2)		The medial edge of the brachioradialis muscle	
3)	~	The middle of the line between epicondyles of humerus	
4)		The medial edge of the round pronator	
5)	~	Radial artery pulse point	
65.	Cana	lis supinatorius walls:	
1)	②	Anterior-medial - neck of the radius (at the level of the inlet)	

2)		Medial - brachial muscle
3)		Lateral - m. brachioradialis
4)		Anterior - aponeurosis of the biceps muscle of the shoulder
5)	②	Lateral – m. supinator
66.	The v	valls of the canalis carpi are formed:
1)	Ø	Pisiform bone, os hamatum (medial)
2)		Retinaculum musculorum extensorum (rear)
3)	②	The navicular and the bone-trapezoid (lateral)
4)	~	The retinaculum of the flexors (front)
5)	Ø	The bones of the wrist and deep ligaments of the wrist
67.	In ca	nalis carpi radialis are located:
1)	In ca	nalis carpi radialis are located: Radial artery with accompanying veins
1)		Radial artery with accompanying veins
2)		Radial artery with accompanying veins Superficial branches of the radial nerve
2)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis
1) 2) 3) 4)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis Radial nerve
1) 2) 3) 4) 5)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis Radial nerve The tendon of the radial flexor of the wrist
1) 2) 3) 4)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis Radial nerve
1) 2) 3) 4) 5)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis Radial nerve The tendon of the radial flexor of the wrist
1) 2) 3) 4) 5)		Radial artery with accompanying veins Superficial branches of the radial nerve Vagina tendinis musculi flexoris carpi radialis Radial nerve The tendon of the radial flexor of the wrist analis ulnaris of the wrist contains:

4)		The ulnar artery with its accompanying veins
5)		The superficial branch of the ulnar nerve
69.	A gap	o in the articular disc reports (in 40%) joints:
1)		Intercarpal joint
2)	~	Wrist joint
3)		The joint of the pisiform bone
4)		Middle joint
5)	Ø	Distal radioulnar joint
70.	Palm	ar aponeurosis is characterized by the fact that it:
1)	\checkmark	Triangular shape with the base of the fingers
2)	\checkmark	Durable, thick
3)		It is a continuation of the tendon of the radial flexor of the wrist
4)		Formed of the lateral (superficial) fibers of the tendon m. palmaris longus and transverse (deep) fibers of the fascia of the palm
5)	Ø	In the distal part of the palm between the heads of the II-V metacarpal bones limits the commissural holes
71.	The n	nedial fascial bed of the palm is limited:
, 1.	ine i	nearar rasear sea of the paint is inintear
1)		The I-th metacarpal bone (lateral)
2)	V	Fascia (hypothenar) palms (front)
3)		Deep fascia of the palm and V-th metacarpal bone (rear)
4)	Ø	The medial intermuscular septum (lateral)

72.	The v	valls of the lateral fascial bed of the palm are:
1)	\checkmark	Fascia (thenar) palms (front)
2)	~	The lateral intermuscular septum (lateral)
3)	~	Deep lamina of the fascia of the palm and the I-th metacarpal bone (rear)
4)		Palmar aponeurosis (front)
5)	\checkmark	The connection of the fascia of the palm with the I-th metacarpal bone (lateral)
73.	The r	niddle fascial bed of the palm is limited:
1)	\checkmark	Palmar aponeurosis (front)
2)	~	Medial intermuscular septum (medial)
3)		V-th metacarpal bone (medial)
4)	⊘	The lateral intermuscular septum (lateral)
5)	~	Deep lamina of the fascia of the palm (the back)
74.	In the	e subaponeurotic (surface) slit of the middle fascial bed of the palm layer by layer are located:
1)	~	Arcus palmaris superficialis with common Palmar finger arteries
2)	Ø	Median nerve with common Palmar finger nerves I,II,III,IV (lateral side) and ulnar nerve with common Palmar finger nerves IV (medial side), V
3)		Palmar aponeurosis
4)	~	Tendons of the superficial and deep flexors of the fingers with a common synovial vagina
5)		Lateral intermuscular septum

5)

Palmar aponeurosis (front)

75.	The s	surface Palmar arc, crossing the tendons of the flexors of the fingers, is located at the level of:
1)	$ \checkmark $	The middle third of the length of the metacarpal bones
2)		The proximal transverse skin crease of the palm
3)		The distal transverse skin crease of the palm
4)	~	2 cm down from the bottom of the retinaculum flexorum
5)		Heads of Metacarpals
76.	The I	ateral fascial bed of the palm (thenar box) contains:
1)	②	m. abductor pollicis brevis and branches of r. profundus n. ulnaris
2)	Ø	Superficial and deep head of the short flexor of the thumb and 2/3 arcus palmaris profundus
3)		m. supinator
4)	~	Oblique and transverse head of the muscle leading to the thumb and branches of the median nerve
5)	Ø	Tendon of the long flexor of the thumb with its synovial vagina
77.	Deep	cellular spaces of the bed gap is located between the thenar:
1)		Tendon of the long flexor of the thumb
2)	~	The transverse head of the muscle leading to the thumb
3)	~	The lateral part of the deep (interosseous) fascia thenar
4)		Tendon m. palmaris longus
5)		Elbow synovial SAC
78.	The l	poundaries of the gluteal region correspond:
1)	>	iliac crest (upper)

2)		large sciatic notch (lateral)
3)	⊘	gluteal fold (bottom)
4)	⊘	rear median line deep in the buttock cords (medial)
5)	⊘	a vertical line drawn through the spina iliaca anterior superior trochanter major et (lateral)
79.	Exit p	point a.glutea superior in the gluteal region is on the border of the upper and middle third line between:
1)		the ischial tuberosity
2)		the upper rear iliac spines
3)	②	upper posterior iliac spine
4)	V	the tip of a large spit
5)		on the Roser-Nelaton line
80.	Refei	ence points of the projection of the exit of the lower gluteal artery in the gluteal region:
80. 1)	Refer	ence points of the projection of the exit of the lower gluteal artery in the gluteal region: pubic tubercle
	Refer	
1)		pubic tubercle
1)	□✓	pubic tubercle upper posterior iliac spine
1) 2) 3)	✓	pubic tubercle upper posterior iliac spine the wing of the Ilium
1) 2) 3) 4)	✓	pubic tubercle upper posterior iliac spine the wing of the Ilium the medial edge of the tuber ischiadicum
1) 2) 3) 4)	✓	pubic tubercle upper posterior iliac spine the wing of the Ilium the medial edge of the tuber ischiadicum
1) 2) 3) 4)		pubic tubercle upper posterior iliac spine the wing of the Ilium the medial edge of the tuber ischiadicum
1) 2) 3) 4) 5)		pubic tubercle upper posterior iliac spine the wing of the Ilium the medial edge of the tuber ischiadicum the tip of the coccyx
1) 2) 3) 4) 5)	The c	pubic tubercle upper posterior iliac spine the wing of the Ilium the medial edge of the tuber ischiadicum the tip of the coccyx Juteal fascia has a close anatomical relationship with the muscles:

4)		gluteus Medius
5)		the biceps femoris
82.	Clinic	cal significance of anatomical relationship between gluteal fascia and m. gluteus maximus:
1)		passes into the lumbar-thoracic fascia (fascia thoracolumbalis)
2)	~	fascia from muscle can be separated only by an acute way
3)	\checkmark	suppuration in the thickness of the gluteus Maximus (complication of intramuscular injection) is limited
4)		the gluteal fascia fascia lata passes in
5)	Ø	inflammatory infiltrates are accompanied by a sharp increase in pressure with the development of severe pain syndrome
02	Tho	
83.	THE	cellular space of the gluteal region is under:
1)		middle gluteus Medius
1)		middle gluteus Medius
1)		middle gluteus Medius m. quadratus femoris
1) 2) 3)		middle gluteus Medius m. quadratus femoris piriformis muscle
1) 2) 3) 4)		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus
1) 2) 3) 4) 5)		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus deep plate of gluteal fascia
1) 2) 3) 4)		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus
1) 2) 3) 4) 5)		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus deep plate of gluteal fascia
1) 2) 3) 4) 5)		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus deep plate of gluteal fascia
1) 2) 3) 4) 5) 84.		middle gluteus Medius m. quadratus femoris piriformis muscle the gluteus Maximus deep plate of gluteal fascia ge sciatic foramen is limited: the upper aperture of the pelvis

85. Purulent exudate from under the gluteus Maximus muscles (the desired length of space) may not be distributed in the lateral space podbryushinnye the pelvic cavity through the holes:		
1)	~	foramen obturatum
2)	Ø	Foramen suprapirifirme
3)	Ø	small sciatic
4)		Foramen infrapirifirme
5)	⊘	hiatus saphenus
86.	In fo	ramen suprapirifotme upper gluteal artery is fixed to:
1)		the fascia of the internal obturator muscle
2)	\checkmark	the periosteum of the greater sciatic clippings
3)		the fascia of the piriformis
4)	Ø	fascia of middle gluteus Medius
5)		square fascia muscle of the thigh
87.	In the	e gluteal region through foramen suprapiriforme out
1)		nn. clunium superiores
2)		lumbosacral trunk
3)	\checkmark	upper gluteal nerve
4)	\checkmark	upper gluteal artery
5)	Ø	upper gluteal veins

✓ the Sacro-spinous ligament

5)

	11110	agni forumen mirupi norme in the grateur region come the herves.
1)		upper gluteus
2)	~	pudendal
3)	~	the inferior gluteal
4)	~	sciatic
5)	②	posterior cutaneous nerve of the thigh
89.	In the	e gluteal region through foramen infrapiriforme out arteries:
1)		a. rectalis inferior
2)	\checkmark	the inferior gluteal
3)	~	a. pudenda interna
4)	\checkmark	artery accompanying the sciatic nerve
5)		internal iliac artery
90.	In fo	ssa ischiorectalis, a small sciatic hole from the gluteal region passes through the:
1)	\checkmark	the internal pudendal artery
2)	\checkmark	pudendal nerve
3)		perineal nerves
4)		femoral nerve
5)	~	internal pudendal vein
91.	Possi	ble ways of spreading purulent flow from the gluteal region in the course of neurovascular bundles:
1)		in the rear region of the hip (n.ischiadicus)

2)		through the small sciatic foramen to the ischio-anal fossa (pudendal bundle)
3)	Ø	through foramen infrapiriforme in the lateral cellular spaces of the pelvis space (for the inferior gluteal and pudendal bundles)
4)		Through foramen suprapiriforme in the space lateral cellular spaces of the pelvis (at upper gluteal beam)
5)		in the medial muscular-fascial bed of the thigh (along the obturator bundle)
92.	То со	nstruct a line Roser-Nelaton use guidelines:
1)		iliac crest
2)		pubic tubercle
3)	~	anterior superior iliac spine
4)		trochanter minor
5)		trochanter major
93.	Line	Roser-Nelaton used in the diagnosis:
93. 1)	Line	Roser-Nelaton used in the diagnosis: phlegmon of the gluteal region
	Line	
1)		phlegmon of the gluteal region
1)		phlegmon of the gluteal region congenital hip dislocation
1) 2) 3)	✓	phlegmon of the gluteal region congenital hip dislocation coxarthrosis of the hip joint
1) 2) 3) 4)		phlegmon of the gluteal region congenital hip dislocation coxarthrosis of the hip joint fracture of the femoral neck
1) 2) 3) 4)		phlegmon of the gluteal region congenital hip dislocation coxarthrosis of the hip joint fracture of the femoral neck
1) 2) 3) 4) 5)		phlegmon of the gluteal region congenital hip dislocation coxarthrosis of the hip joint fracture of the femoral neck coxa vara

3)		femoral nerve
4)	~	v. v. acetabularis (tributaries of the obturator vein)
5)		v. v. gluteae inferiores
95.	The I	nip joint strengthens the ligaments:
1)		sacroiliac
2)	\checkmark	Iliofemorale (transverse and descending parts)
3)	V	lig. ischiofemorale
4)		zona orbicularis
5)		pubofemorale
96.	Lacu	na vasorum is limited:
1)	~	the inguinal ligament
2)		m. pectineus
3)	~	lacunar ligament
4)	~	pectineal ligament with the upper branch of the pubic bone
5)	~	iliac comb arc
97.	Lacu	na vasorum contains:
1)		external iliac artery
2)	\checkmark	loose fibrous connective tissue
3)	⊘	the femoral branch of the genitofemoral nerve
4)	V	femoral vein

98.	The v	valls of anulus femoralis (inner opening of the femoral canal) form:
1)	~	inguinal ligament
2)	Ø	pectineal ligament
3)		ilio-pubic eminence
4)	Ø	lacunar ligament
5)	~	fascial vagina of the femoral vein
99.	The p	rojection line of the femoral artery (Ken line) corresponds to the reference points:
1)	②	point midway between the anterior superior iliac spine and the pubic symphysis
2)	V	the middle of the inguinal ligament
3)		the pubic tubercle
4)	⊘	the resulting tubercle of the medial epicondyle of the femur
5)		tibial tuberosity
100.	In the	back bed of the thigh are located:
1)	⊘	sciatic nerve
2)	~	biceps femoris
3)		m. vastus medialis
4)	⊘	m. semitendinosus
5)	✓	m. semimembranous

5)

femoral artery

101.	The f	ront bed of the thigh contains:
1)	②	m. sartorius
2)	Ø	the quadriceps (rectus, lateral, medial, intermediate and lateral muscles of the thigh)
3)	\checkmark	femoral neurovascular bundle
4)		m. pectineus
5)		obturator neurovascular bundle
102.	Cana	lis adductorius (s.canalis femoropopliteus) formed:
1)	~	large adductor muscle (medial)
2)	~	a broad medial thigh muscle (lateral)
3)	V	lamina vastoadductoria (front)
4)		m.sartorius (laterally)
5)		m.pectineus (medial)
103.	Thro	ugh the upper hole in the channel adductorius enter:
1)		obturator nerve
2)	Ø	femoral artery
3)		deep artery of the thigh
4)	Ø	femoral vein
5)	Ø	the saphenous nerve (branch of n. femoralis)
104.	Thro	ugh the front opening of the canalis adductorius out:
1)		femoral nerve

2)		saphenous nerve
3)		Vena saphena magna
4)	~	descending artery of knee
5)		deep thigh vein
105	Thua	only the lawer energing of the concile addicateging limited by the tenden of the lawer addicates windle
		ugh the lower opening of the canalis adductorius, limited by the tendon of the large adductor muscle nur, fossa poplitea enter:
1)		third perforating artery
2)		saphenous nerve
3)	\checkmark	femoral artery
4)		a. circumflexa femoris medialis
5)	~	femoral vein
106.	In the	e medial bed of the thigh through the obturator canal enter:
1)		n.genitofemoralis
2)		lower epigastric artery
3)		obturator artery
4)	\checkmark	obturator nerve
5)		obturator vein
107.	Purul	ent streaks when phlegmons rear hip area distributed in:
1)	\checkmark	popliteal fossa
2)		lumbar region

3)		gluteal region
4)		fossa ischiorectalis
5)		groin
108.	The v	walls of fossa poplitea are:
1)	V	upper medial tendon m. semitendinous and m. semimembranous
2)	Ø	upper lateral - tendon of m.biceps femoris
3)	Ø	lower medial - medial head of m. gastrocnemius
4)		lower medial - m.soleus
5)	~	lower lateral - lateral head m. gastrocnemius
109.	The l	pottom of the fossa poplitea are:
1)		tuberositas glutea femur
2)	□✓	tuberositas glutea femur facies poplitea of the femur
	✓✓	
2)		facies poplitea of the femur
2)	Ø	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments
3)	Ø	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus
3)	Ø	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus
3)	✓✓	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus soleus muscle
2) 3) 4) 5)	✓✓	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus
2) 3) 4) 5)	✓✓	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus soleus muscle
2) 3) 4) 5)	₩ W	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus soleus muscle atoma from the popliteal fossa in the course of the neurovascular bundles can spread to:
2) 3) 4) 5) 110.	Hema	facies poplitea of the femur the posterior part of the capsule of the knee joint, reinforced with oblique and arcuate popliteal ligaments m. popliteus soleus muscle atoma from the popliteal fossa in the course of the neurovascular bundles can spread to: in channel N.I. Pirogov (for v.saphena parva)

		The the cavity of the kinee joint (along the media lower kinee artery)
111.	Guide	elines for constructing pulse point a.tibialis posterior are:
1)		lateral malleolus
2)		Achilles tendon
3)		navicular bone
4)		calcaneal tuberosity
5)	\checkmark	medial ankle
112.	The c	analis calcaneus is a slit-like gap between the:
1)		the muscle adductor hallucis
2)		square sole muscle
3)	~	calcaneus bone
4)		lumbricalis muscles
5)		m. abductor hallucis
113.	Cana	lis calcaneus goes into a deep division between the secondary fascial bed:
1)		square sole muscle
2)		tendons of the m. flexor hallucis longus
3)		m. abductor hallucis
4)	~	m. adductor hallucis
5)		short flexor of the hallucis

1)	~	angiography and venography
2)	~	intensive infusion (catheter) therapy
3)	~	performing endovasal operations
4)		ligation of the main artery during
5)		intake part of the blood vessel for bypass
		ture and catheterization a.femoralis according to the method of Seldinger is performed after g the pulse at the point, with the following guidelines:
1)		the middle of the line Ken
2)	\checkmark	1 cm medial from the middle of the linea spinosymphisialis (inguinal ligament)
3)		2 cm downward from the tuberculum pubicum
4)		3 cm down from spina iliaca anterior superior
5)	V	1 cm down from the middle of the line between the upper anterior iliac spine and the pubic symphysis
116.	Proje	ection approach to reveal the arteries:
1)		a.brachialis
2)	②	radiation
3)		femoral (at the femoral triangle)
4)	\checkmark	ulnar
5)	Ø	the anterior tibial
117	F	uncleable and according to a discount land on the autority.

114. Percutaneous puncture and catheterization of arteries and veins is used to:

1)	\checkmark	axillary
2)		a.femoralis (femoral triangle)
3)		radiation
4)		ulnar
5)	~	brachial
118.	Requ	irements for vascular suture:
1)	\checkmark	tightness
2)	$ \checkmark $	hemostasis
3)		elasticity
4)	✓	thrombogenicity
5)	\checkmark	do not allow scar stenosis
119.	The c	liameter of the artery and the properties of its wall determine the choice:
119.	The c	liameter of the artery and the properties of its wall determine the choice: operative approach to the vessel
	The c	
1)		operative approach to the vessel
1)	□✓	operative approach to the vessel diameter of suture material (monofilament non-absorbable polished synthetic thread)
1) 2) 3)	✓✓	operative approach to the vessel diameter of suture material (monofilament non-absorbable polished synthetic thread) needles (round atraumatic)
1) 2) 3) 4)	✓✓✓	operative approach to the vessel diameter of suture material (monofilament non-absorbable polished synthetic thread) needles (round atraumatic) set of tools for macro - and microsurgical procedures
1) 2) 3) 4)		operative approach to the vessel diameter of suture material (monofilament non-absorbable polished synthetic thread) needles (round atraumatic) set of tools for macro - and microsurgical procedures
1) 2) 3) 4) 5)		operative approach to the vessel diameter of suture material (monofilament non-absorbable polished synthetic thread) needles (round atraumatic) set of tools for macro - and microsurgical procedures position of the patient on the operating table

3)		the same distance of the needle and the needle from the edge of the vessel (1 mm)
4)	~	in conditions of pathologically changed vascular wall of large arteries of the weld step the weld and the distance of puncture and Mykola needle from the edge of the vessel increases
5)		excision of the ends of the vessel with eye scissors or a blade of a safety razor in a hemostatic clip
121. beca		the initial surgical treatment of the wound, operations on nerve trunks are performed 4-6 weeks later,
1)	⊘	wound healing occurs
2)	Ø	under the influence of drug therapy scars are resorbed
3)	V	reduces the risk of exacerbation of "dormant" infection (microflora in the rumen)
4)		provides the best cosmetic effect
5)		patients are concentrated in specialized surgical departments
122.	The r	nerve from the scar is isolated (neurolysis) by extra-projection access, allowing:
1)	Ø	to expose the nerve in an unmodified topographic conditions
2)	V	eliminate the possibility of damage to large blood vessels accompanying the nerve
3)		the choice of access to the nerve in the scar area does not matter
4)	Ø	to facilitate the release of the nerve from the Central and peripheral parts of the scar area
5)	Ø	to avoid the formation of adhesions between the membranes of nerve and soft tissue
123.	The t	ciming of the nerve suture is distinguished:
1)	~	primary nerve suture (in the primary surgical treatment of the wound)
2)		in primary surgical treatment wounds are limited to nerve blockade
3)	~	early delayed nerve suture (3-4 weeks after the wound, if the initial treatment of the wound had no conditions

4)		primary suture of the nerve is not applied
5)		early delayed nerve suture does not provide a satisfactory functional result
124.	In rel	ation to the shells, the following types of nerve sutures are distinguished:
1)	\checkmark	epineural
2)	\checkmark	perineural
3)		through all layers of nerve
4)		nodal
5)		"U"shaped
125.	For s	uture tendons use straight round atraumatic needles with
1)	~	nylon thread
2)	~	lavsan thread
3)		silk
4)		catgut
5)	\checkmark	metal wire (tantalum)
126.	Requ	irements for tendon suture:
1)	\checkmark	must ensure the strength of the joint ends of the tendon
2)	\checkmark	compression of blood vessels of a tendon is inadmissible
3)		should be hemostatic
4)	~	must avoid opening the tendon

for the primary suture)

127.	The I	pasic rules of opening of purulent focus:
1)	~	opening of the purulent cavity in the zone of the greatest fluctuation
2)	②	in order to avoid infection of the adjacent bed, it is unacceptable to dissect the intermuscular fascial partitions
3)	~	ensure complete evacuation of pus and removal of necrotic tissue
4)	\checkmark	treat the purulent cavity with an antiseptic solution and drain it
5)		layer-by-layer suturing the wound
128.	At op	pening of the purulent center the section of soft tissues should be:
1)	~	the shortest path to the purulent focus
2)	②	outside the projection of the neurovascular bundle
3)	~	ensure the completeness of the examination of the purulent cavity
4)		if necessary, combined with contrapunctual
5)	~	creating a free outflow of pus
129.	Cont	rapertura (additional incision(s)) away from the main form with the purpose:
1)	V	completeness of the revision of the purulent cavity (are there pockets and foci of necrotic tissues?)
2)	②	evacuation of pus when the main incision does not create conditions for adequate drainage of the purulent cavity
3)	\checkmark	the use of a flow-wash drainage system
4)	\checkmark	visual control over the course of healing processes
5)		laser treatment of purulent cavity

should create a smooth surface to slip the tendon in the synovial vagina

5)

1)	~	"like a hockey stick" on the anterior surface
2)	\checkmark	linear on the anterior surface
3)	~	different combinations of "club" and linear cuts
4)		through the nail plate
5)		on the middle line of the Palmar surface of the finger with the continuation of the interphalangeal joint
131.	Acco	rding to the classical method of Clapp with tendovaginitis II-IV fingers of the hand, cuts are applied:
1)		at the rear of the interdigital spaces
2)		on the anterior-lateral surfaces of the distal phalanx
3)	\checkmark	on the anterior-lateral surfaces of the middle phalanx
4)	\checkmark	on the anterior-lateral surfaces of the proximal phalanx
5)	Ø	in the distal part of the palm, respectively, the proximal end of the synovial vagina at the level of the metacarpal heads
132.	To th	e phlegmon of the upper third of the bed, the forearms approach between:
1)		ulna
2)		elbow flexor wrist
3)	\checkmark	m. flexor pollicis longus
4)		m. flexor carpi radialis
5)	\checkmark	radius
122	C 1	

130. In subcutaneous felon surface of the distal phalanx of the finger, the following incisions are used:

1)		incision of the skin, subcutaneous base, superficial fascia laterally from the posterior edge of the ulna
2)	②	own fascia is incised between m.extensor digitorum and the extensor of the little finger
3)		to fit the phlegmon between the shoulder muscle and the long radial extensor wrist
4)	\checkmark	a strip of glove rubber is introduced between the surface and deep layers of muscles
5)	Ø	a strip of glove rubber is introduced under the deep muscles of the back bed of the forearm
134.	Phle	gmon front of the bed open shoulder slits (10-12 cm):
1)	\checkmark	at the medial edge of m.biceps brachii
2)		the biceps muscle of the shoulder is dissected in the transverse direction
3)	~	on the lateral edge of m.biceps brachii
4)		the biceps muscle of the shoulder is separated along the fibers
5)		by sulcus bicipitalis medialis
135.	Incis	on at deep phlegmon of a sole carry out in the middle third of the lines corresponding to projections:
135. 1)	Incis	the transverse joint of the foot
	Incis	
1)	Incis	the transverse joint of the foot
1)	Incis	the transverse joint of the foot I-th metatarsal
2)		the transverse joint of the foot I-th metatarsal The V-th metatarsal
1) 2) 3) 4)		the transverse joint of the foot I-th metatarsal The V-th metatarsal the medial fascial septum
1) 2) 3) 4)		the transverse joint of the foot I-th metatarsal The V-th metatarsal the medial fascial septum
1) 2) 3) 4) 5)		the transverse joint of the foot I-th metatarsal The V-th metatarsal the medial fascial septum the lateral fascial septum
1) 2) 3) 4) 5)	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	the transverse joint of the foot I-th metatarsal The V-th metatarsal the medial fascial septum the lateral fascial septum foo by Delorme with deep phlegmons of the sole have the following advantages:

3)		eliminates the risk of damage n.tibialis
4)	②	is not damaged the short flexor of the fingers
5)	Ø	the integrity of the lateral and medial plantar neurovascular bundles is preserved
137.	The c	deep phlegmon of the posterior region of the tibia is opened as follows:
1)		incision along the midline of the Shin area throughout its length
2)	~	incision in the upper third of the tibia, receding 2 cm from the medial edge of tibiae (V. saphena magna)
3)	\checkmark	pull the medial head of the calf muscle and cut off the tibia from the soleus muscle
4)	Ø	in the lower third form contrapartes incision of the layers of the area including the deep lamina of the fascia of the lower leg
5)	Ø	in the upper and lower sections introduce strips of glove rubber
138.	Subd	eltoid phlegmon approach:
138. 1)	Subd	pectoral muscle
	Subd	
1)		pectoral muscle
1)		pectoral muscle the front edge of the deltoid muscle
1) 2) 3)		pectoral muscle the front edge of the deltoid muscle the edge of the broadest back muscle
1) 2) 3) 4)		pectoral muscle the front edge of the deltoid muscle the edge of the broadest back muscle the lower edge of the pectoralis major muscle
1) 2) 3) 4)		pectoral muscle the front edge of the deltoid muscle the edge of the broadest back muscle the lower edge of the pectoralis major muscle
1) 2) 3) 4) 5)		the front edge of the deltoid muscle the edge of the broadest back muscle the lower edge of the pectoralis major muscle the rear edge of the m.deltoideus puncture of the elbow joint is made in the posterolateral part - in a triangle, limited:
1) 2) 3) 4) 5)		pectoral muscle the front edge of the deltoid muscle the edge of the broadest back muscle the lower edge of the pectoralis major muscle the rear edge of the m.deltoideus
1) 2) 3) 4) 5)	The p	the front edge of the deltoid muscle the edge of the broadest back muscle the lower edge of the pectoralis major muscle the rear edge of the m.deltoideus puncture of the elbow joint is made in the posterolateral part - in a triangle, limited:

4)		the sulcus of the ulnar nerve
5)		caput radii
140.	The p	oint of puncture of the wrist joint is determined by the intersection on its back surface:
1)		the axes of the radius and of the I metacarpal bone
2)		the axes of the ulna and the pisiform bones
3)	\checkmark	the line between the styloid processes of the radius et ulna
4)	\checkmark	axis II metacarpal
5)		above the neck of the radius
141.	Artic	ulatio coxae punctured in the:
1)		the sciatic tuber
2)		trochanter minor
3)	\checkmark	the top of the big spit
4)	\checkmark	the middle of the distance between the middle of the linea spinosymphisialis et trochanter major
5)		Roser-Nelaton lines
142. the:	Punc	ture of the knee joint at the lateral edge of the base of the patella provides the receipt of the needle in
1)		deep kneecap bag
2)		subcutaneous tibial tuberosity bursa
3)		bursa suprapatellaris
4)		bursa subtendineus suprapatellaris

143.	Rules	for the implementation of the operational approach to long tubular bones:
1)	\checkmark	away from the neurovascular bundle
2)		projection approach
3)	~	on intermuscular spaces, furrows and fascial partitions - intermuscular access
4)		an out-of-project approach
5)	Ø	in the area with the smallest thickness of the muscle layer - percutaneous access
144.	The g	uidelines of one of the less traumatic accesses to the femur are:
1)		trochanter minor
2)		Ken line
3)	⊘	greater trochanter
4)		Roser-Nelaton line
5)	~	the lateral epicondyle of the femur
145.	Princ	iples of surgical treatment of osteomyelitis:
1)	~	radical surgical treatment of purulent focus
2)		puncture of the joint adjacent to the focus of inflammation
3)	~	plastic bone defect
4)	~	plastic defect of soft tissues surrounding the bone
5)	⊘	immobilization of a limb

 \checkmark the joint cavity

5)

1)	②	linear and angular
2)	⊘	transverse and oval
3)	~	oblique (in different planes)
4)	Ø	"Z" – shaped and figured
5)		the form of osteotomy does not matter in obtaining good results
147.	Basic	requirements for osteosynthesis:
1)	②	careful reposition of bone fragments along the axis and plane
2)	②	reliable fixation of bone fragments for a long period of bone regeneration
3)	②	providing a mild degree of compression of bone fragments
4)	V	unacceptable interposition - the presence of adipose tissue, fascia, etc. between bone fragments
5)		interpolation is possible
148.	Tradi	tional places of a fence of autograft for bone grafting are:
1)		gluteal tuberosity of femur
2)	Ø	tibia
3)	V	the iliac crest
4)		lateral epicondyle of humerus
5)	~	rarely - fibula
149.	For i	ntramedullary osteosynthesis using clamps (pins, screws) from:
1)	②	metal alloy

146. In operative orthopedics are used such types of osteotomy as:

2)	\checkmark	metal polymer
3)	~	polymeric
4)	~	the pins, over time, undergoes resorption with the excretion of waste products from the body
5)		bone pins
150.	Wher	amputation of the limb, the following methods of treatment of the periosteum and bone are used:
150. 1)	Wher	aperiostal - length of the bone sawdust without periosteum 3-5 mm
1)		aperiostal – length of the bone sawdust without periosteum 3-5 mm
1)		aperiostal – length of the bone sawdust without periosteum 3-5 mm transperiostal– the level of incision of the periosteum corresponds to bone sawdust