Моду Тема		Топографическая анатомия и оперативная хирургия Текущий рубежный контроль по разделу 1 (англ)
1.	The s	stages of the operation, as a technological process, are:
1)		Dissection of the serous membrane
2)	<b>Ø</b>	Operative approach
3)		Hemostasis in the wound
4)	<b>~</b>	Operational reception
5)	<b>⊘</b>	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 accesses are
1)	<b>~</b>	Straight (along the line of projection of the organ)
2)	<b>V</b>	Non-projected
3)		Oblique
4)	V	Projection
5)	<b>V</b>	Indirect (away from the projection line of the organ)
3.	Endo	surgical operations can be performed by:
1)		Cranial trepanation (craniotomy)
2)	$\checkmark$	Thoracic and laparoscopy
3)	<b>~</b>	Hysteroscopy
4)		Exposures of muscles, tendons, arteries, veins, nerves
5)	<b>~</b>	Endovascular (intravascular) access

Текущий рубежный контроль по разделу 1 (англ)

Раздел:

4.	The b	pasic rules of surgical incision are:
1)		To ensure the straightness of the incision
2)	<b>~</b>	Strict layer-by-layer separation of the area
3)	$\checkmark$	Each layer of the region is separated perpendicular to its plane
4)	<b>~</b>	Preliminary determination of the projection of the neurovascular bundle
5)		Simultaneous dissection of the layers of the anterior shoulder region when accessing a.brachialis
5.	Disse	ection of a layer of an area perpendicular to its plane is necessary for:
1)	<b>Ø</b>	Eliminating the false idea of the thickness of its edges
2)		Creating favorable conditions for visualization of the walls and bottom of the wound
3)	<b>Ø</b>	Achieving careful edge matching when suturing
4)		Ensuring hemostasis in the wound
5)		Freedom of action by instruments in the wound
6.	A sur	gical wound differs from a gunshot wound in that:
1)	<b>②</b>	It is formed under aseptic conditions; heals by primary tension
2)	<b>~</b>	Wound parameters are planned; layered separation of the area is used
3)		A gauze swab is inserted
4)	<b>Ø</b>	into the wound and has smooth "viable" edges
5)	<b>Ø</b>	Thorough hemostasis is provided
7.	The r	nain (typical) operational techniques that make up the stages of an open operation are:
1)	<b>Ø</b>	Separation of the layers of the area (organ)

3)	<b>Ø</b>	Hemostasis in the wound
4)	<b>~</b>	Joining (suturing) the layers of the area (organ) and tying the knot (knots)
5)	<b>⊘</b>	Removal of the skin suture
8.	Cond	itions defining the technique of the main (typical) surgical reception (according to N.I. Pirogov):
1)		Sufficient illumination of the operating field
2)	<b>⊘</b>	Type of pathological process
3)	<b>~</b>	Anatomical structure of the organ (area)
4)	<b>~</b>	Physiological characteristics of the organ (area)
5)		The condition of the patient's cardiovascular system
5) <b>9.</b>	Rules	The condition of the patient's cardiovascular system  for the treatment of the surgical field with an antiseptic solution:
	Rules	
<b>9.</b>		s for the treatment of the surgical field with an antiseptic solution:
9.	<b>⊘</b>	for the treatment of the surgical field with an antiseptic solution:  The processing is as wide as possible in area
9. 1) 2)	<b>⊘</b>	The processing is as wide as possible in area  They are carried out from the center to the periphery
<b>9.</b> 1) 2)	<ul><li>✓</li><li>✓</li></ul>	The processing is as wide as possible in area  They are carried out from the center to the periphery  During the operation, the processing must be repeated
9. 1) 2) 3) 4) 5)		The processing is as wide as possible in area  They are carried out from the center to the periphery  During the operation, the processing must be repeated  Compliance with the exposure time of the antiseptic solution  The rules for treating the surgical field with an antiseptic solution are of no fundamental importance
9. 1) 2) 3) 4) 5)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	The processing is as wide as possible in area  They are carried out from the center to the periphery  During the operation, the processing must be repeated  Compliance with the exposure time of the antiseptic solution  The rules for treating the surgical field with an antiseptic solution are of no fundamental importance

3)		Blockade of nodes of the sympathetic trunk
4)		Spinal anesthesia
5)		Infiltration anesthesia by the method of "tight creeping" infiltration
11.	Accor	ding to the technical design, operational access is assessed by the following indicators:
1)		Approach should be the shortest with favorable conditions for action in the wound with surgical instruments and fingers
2)	<b>⊘</b>	The possibility (if necessary) to expand the parameters of the wound (length, width, depth), especially in malignant tumors
3)	$\checkmark$	Ensuring the requirements of asepticism and ablasticity
4)	$\checkmark$	The possibility of giving the wound a geometric shape (for example, a truncated cone)
5)		The need to expand the wound with a mechanical retractor
12.		riterion for an objective assessment of operational access "the axis of operational action" is the line
	The c	
conne		
1)		The extreme points of the cut
1) 2)		The extreme points of the cut  The plane of the wound and its deepest point
1) 2) 3)		The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye
1) 2) 3)		The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye  A plane in the depth of the wound, accessible to the surgeon's actions
1) 2) 3) 4)		The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye  A plane in the depth of the wound, accessible to the surgeon's actions  The center of the place of operative action on the organ in the depth of the wound
1) 2) 3)		The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye  A plane in the depth of the wound, accessible to the surgeon's actions
1) 2) 3) 4)		The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye  A plane in the depth of the wound, accessible to the surgeon's actions  The center of the place of operative action on the organ in the depth of the wound
1) 2) 3) 4) 5)	ecting:	The extreme points of the cut  The plane of the wound and its deepest point  The surgeon's eye  A plane in the depth of the wound, accessible to the surgeon's actions  The center of the place of operative action on the organ in the depth of the wound

3)		Physiological permissibility
4)		Cosmetology
5)	$\checkmark$	Technical capability
14.	Opera	ational technick is:
1)	<b>~</b>	The essence of the surgical operation
2)		Sufficient exposure of the organ-the object of the operation
3)	<b>②</b>	The totality of the surgeon's actions at the operation site aimed at eliminating the pathological focus and recovering the patient (or alleviating his suffering and prolonging his life)
4)		Ensuring the rules of asepsis
5)	$\checkmark$	The main, decisive stage of the operation
15.	Requ	irements for a surgical incision:
1)		The shortest approach to the object of operational reception
2)		Incision taking into account the position of the neurovascular bundle, the direction of the muscle bundles and fibers of aponeurosis
3)	<b>✓</b>	The cosmetology of the postoperative scar
4)	<b>Ø</b>	Ensuring complete visualization of the wound
5)	$\checkmark$	Minimal injury of organs during operative access
16. opera		itions that create a decent overview (visualization) of the walls and bottom of the wound when it with surgical instruments:
1)	<b>✓</b>	Sufficient dilution of the wound walls
2)	<b>Ø</b>	Fixation of the walls and bottom of the wound

3)		If possible, the wound should be "dry" (ensure thorough hemostasis, remove pathological fluid)
4)		The direction of the incision along the course of the neurovascular bundle
5)		Sufficient illumination of the wound
17.	The a	advantage of variable surgical accesses is:
1)		The cosmetology of the postoperative scar
2)		The best conditions for wound drainage
3)		Difficulty of infection penetration into the wound
4)		Reducing the risk of postoperative hernia
5)		The convenience of using surgical instruments
18.	In the	nucces of counical intervention, the fellowing around of counical instruments are used.
		e process of surgical intervention, the following groups of surgical instruments are used:
1)	<b>⊘</b>	To separate the layers of the area and organs
1)		
	<b>⊘</b>	To separate the layers of the area and organs
2)	<ul><li>✓</li></ul>	To separate the layers of the area and organs  To stop bleeding (hemostasis)
2)	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	To separate the layers of the area and organs  To stop bleeding (hemostasis)  Fixing tools and special tools
2) 3) 4)	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	To separate the layers of the area and organs  To stop bleeding (hemostasis)  Fixing tools and special tools  To connect the layers of the area and the organ
2) 3) 4)		To separate the layers of the area and organs  To stop bleeding (hemostasis)  Fixing tools and special tools  To connect the layers of the area and the organ
2) 3) 4) 5)		To separate the layers of the area and organs  To stop bleeding (hemostasis)  Fixing tools and special tools  To connect the layers of the area and the organ  Tools for limiting the operational field
2) 3) 4) 5)		To separate the layers of the area and organs  To stop bleeding (hemostasis)  Fixing tools and special tools  To connect the layers of the area and the organ  Tools for limiting the operational field  for the use of surgical instruments:
2) 3) 4) 5) 19.		To stop bleeding (hemostasis)  Fixing tools and special tools  To connect the layers of the area and the organ  Tools for limiting the operational field  for the use of surgical instruments:  The instrument is used only for its intended purpose and in good condition

experience of handling each of them

23.	The a	angle of the scalpel blade and the surface of the layer when applying the incision is:
1)		It does not matter
2)	<b>~</b>	At the beginning of the incision - 90®
3)	V	During the incision - 45®
4)	<b>Ø</b>	At the end of the incision - 90®
5)		During the incision - 180®
24. "spo		plood vessel in the wound is trapped by a hemostatic clamp. The 1st ligature knot is tied under the the clamp. What are the next steps?
1)	<b>Ø</b>	The clamp is being removed
2)	<b>Ø</b>	Tie the 2nd knot
3)	<b>Ø</b>	The 1st knot is finally tightened
4)		The sequence of actions does not matter
5)		A second clamp is applied
25.	The e	electric knife, laser and plasma "scalpels", in addition to disconnecting the parenchymal organ, provide:
1)		Smooth edges of the organ wound
2)	$\checkmark$	Hemostasis
3)	<b>~</b>	Asepticism
4)	<b>~</b>	Ablasticity
5)		Sufficient visualization of the wound
26.	What	should I make sure of before suturing a surgical wound?

2) 3) 4) 5) 29. 1)	<ul><li>✓</li><li>✓</li><li>Roun</li><li>✓</li></ul>	Muscles  Liver  Own fascia (aponeurosis)  Skin with a subcutaneous base  d atraumatic needles are used for suture:  Arteries and veins  Parenchymal organs
2) 3) 4) 5)	₩ W	Liver  Own fascia (aponeurosis)  Skin with a subcutaneous base  d atraumatic needles are used for suture:
<ul><li>2)</li><li>3)</li><li>4)</li><li>5)</li></ul>	<ul><li>☑</li><li>☑</li><li>☑</li></ul>	Liver  Own fascia (aponeurosis)  Skin with a subcutaneous base
2) 3) 4)	<ul><li>□</li><li>✓</li></ul>	Liver  Own fascia (aponeurosis)
2)		Liver
2)	<b>⊘</b>	
	<b>⊘</b>	Muscles
-/		
1)	<b>✓</b>	Periosteum (suprachondria)
28.	A cut	ting (triangular) needle is used for the seam:
5)		The rules for suturing a surgical wound do not matter
4)	<b>~</b>	Interposition is unacceptable (the presence of an adjacent layer between the edges of the same name)
3)	<b>⊘</b>	The edges of the layer are sewn separately with the capture of the surface areas of the underlying layer
2)	<b>⊘</b>	The seams are applied in layers
1)	<b>~</b>	The wound is sutured from the bottom
27.	The I	pasic rules for suturing a surgical wound include:
5)	<b>⊘</b>	In the absence of accidentally left foreign bodies (gauze balls, napkins, surgical instruments)
4)		Is it possible to bring the edges of your own fascia closer together?
3)	<b>V</b>	In the thoroughness of hemostasis
۵۱		In the degree of contraction of the ends of the muscles
2)		In the degree of contraction of the ends of the muscles

3)		Periosteum
4)	<b>⊘</b>	Hollow organs of the digestive system and genitourinary system
5)	<b>Ø</b>	Nerves
30.	The o	disadvantages of twisted and braided suture material are:
1)	<b>~</b>	Significant trauma to the walls of the ligature canal due to the "sawing" effect
2)	<b>~</b>	The ability to be soaked in blood, tissue fluid due to wick (hygroscopic or capillary) properties
3)		Failure to ensure the strength of the seam
4)	<b>⊘</b>	The possibility of accumulation of tissue particles and blood clots in the recesses of the uneven surface of the ligature
5)	<b>Ø</b>	More durable ingrowth into the scar
31.	Nam	e the complications of tight and weak tying of the skin suture knot
1)	$\checkmark$	Marginal necrosis and suture failure
2)	$\checkmark$	Divergence of the wound edges with subsequent infection
3)		The mechanical load when tying the knot does not matter
4)	<b>✓</b>	Slowing down wound healing
5)	<b>~</b>	Formation of a rough scar
32.	The t	asks of primary surgical wound treatment are:
1)	<b>Ø</b>	Ensuring hemostasis
2)		Intra-arterial antibiotic therapy
3)	<b>V</b>	Prevention of wound infection

4)		The formation of a counterpoint
5)	<b>2</b>	Drainage of the wound with its suturing before drainage
33.	Tech: guratio	nical aspects of primary surgical treatment of a limb wound with a large area of damage and a complex on:
1)	$\checkmark$	Dissection of the wound and excision of its non-viable and contaminated tissues
2)	<b>Ø</b>	Ensuring hemostasis
3)		Using a controlled bacterial environment
4)	<b>~</b>	Removal of free-lying foreign bodies and bone fragments devoid of periosteum and wound drainage
5)	<b>Ø</b>	Immobilization of the limb
34. axilla		ower edges of the muscles are used as external landmarks for constructing the boundaries of the regio
1)		m. teres minor
2)		subclavian
3)	$\checkmark$	m. pectoralis major
4)		spinous part of the deltoid
5)	$\checkmark$	m. latissimus dorsi
35.	The f	iber performing fossa axillaris contains:
1)	<b>V</b>	a. et v. axillaris with their branches
2)		n. phrenicus (CIII-CIV (CV)
3)	<b>~</b>	terminal branches II-III intercostal nerves
4)	<b>Ø</b>	plexus brachialis with nerves extending from it (CV-CVIII)

5)	<b>V</b>	axillary lymph nodes
36.	The s	ubfascial axillary cellular space is limited by:
1)	<b>~</b>	axillary fascia (from below)
2)	$\checkmark$	fascia clavipectoralis (from spatium subpectorale)
3)	<b>~</b>	from the neurovascular bundle (its fascial sheath)
4)	<b>~</b>	closes the subfascial space fascial plate (from the sheath of the neurovascular bundle, connecting at the level of the II rib with the clavicular-thoracic fascia)
5)		deltoid fascia
37.	Thro	ugh holes in the posterior wall of the axillary fossa, the subfascial cellular space communicates with:
1)		spatium subpectorale
2)	<b>Ø</b>	Subdeltoid space
3)		anterior musculofacial bed of the shoulder
4)	<b>~</b>	the subscapular space
5)		the posterior musculofacial bed of the shoulder
38.	The v	valls of the spatium subpectoralis superficialis are formed by:
1)		the clavicle
2)	$\checkmark$	of the fascia clavipectorale along the anterior surface of the pectoralis minor muscle
3)		the coracobrachialis muscle
4)	$\checkmark$	the deep plate of the thoracic fascia along the posterior surface of the m. pectoralis major
5)		by the spine of the scapula

39.	The o	leep subsectoral space in front and behind is limited by:
1)		the pectoralis major muscle
2)	$\checkmark$	the pectoralis minor muscle
3)		the fascia of the coracobrachialis muscle
4)	$\checkmark$	the deep leaf of the fascia fascia clavipectorale covering the chest wall
5)		with the deltoid fascia
40.	The o	ellular space of the neurovascular bundle of the axillary fossa has features:
1)	<b>⊘</b>	it is located inside the vagina of the bundle
2)	<b>✓</b>	it is bounded from above by the clavicle
3)	<b>✓</b>	formed by splitting the posterior wall of the fascial sheath of the coracobrachialis muscle
4)		fixed to the fascia of the pectoral minor muscle
5)	<b>⊘</b>	the axillary vein is separated by a septum from the artery of the same name and nerves (branches of the brachial plexus)
41.	The f	oramen quadrilaterum of the posterior wall of the axillary fossa is limited by:
1)	<b>✓</b>	the collum chirurgicum of the humerus
2)	<b>②</b>	the long head of the triceps muscle of the shoulder
3)		m. latissimus dorsi
4)	<b>~</b>	m. teres major and m. latissimus dorsi
5)	<b>✓</b>	m. teres minor and m. subscapularis
42.	In th	e deltoid region, through the foramen quadrilaterum, pass:

1)		axillary artery
2)	$\checkmark$	arteria circumflexa humeri posterior and its accompanying two veins
3)		subcapular artery and vein
4)	$\checkmark$	axillary nerve (CV- CVIII)
5)		lateral thoracic artery and two veins accompanying it
43. axill		andmarks, in relation to which triangles are distinguished throughout the neurovascular bundle of the ion, are:
1)		the head of the humerus
2)	V	clavicula
3)		processus coracoideus of the scapula
4)	V	m. pectoralis major
5)	<b>Ø</b>	m. pectoralis minor
44.		solation of the clavipectoralis, pectoralis and subpectoralis triangles throughout the neurovascular egio axillaris is associated with a difference in:
1)		anatomical relationships v. cephalica with the large thoracic and deltoid muscles
2)	<b>②</b>	of the composition of the neurovascular bundle
3)	<b>②</b>	by the syntopia of the organs of the circulatory, lymphatic and nervous systems of the area
4)	V	of the branches
5)	<b>Ø</b>	of the anatomical relationships with the muscles of the anterior wall of fossa axillaris
45.	Branc	thes of the brachial plexus located posteriorly from the axillary artery:
1)		radix medialis n. medianus (CV-CVIII, ThI)

2)		n. radialis (CV-CVIII, ThI)
3)		n. ulnaris (CV-CVIII, ThI)
4)	<b>~</b>	n. axillaris
5)		musculocutaneous nerve (CV-CVIII)
46.	In tri	gonum pectorale to a. axillaris are adjacent:
1)	<b>~</b>	anteriorly - pectoralis minor muscle
2)	<b>~</b>	laterally-lateral bundle plexus brachialis
3)		medial-medial saphenous vein of the arm
4)	<b>~</b>	from behind - posterior bundle of the brachial plexus and m. subscapularis
5)	<b>Ø</b>	medial-medial bundle of the brachial plexus and v. axillaris
47. as fo	In tri	gonum subpectorale, in relation to the axillary artery, the branches of the brachial plexus are arranged
		gonum subpectorale, in relation to the axillary artery, the branches of the brachial plexus are arranged  medial - radial nerve
as fo		
1)	llows:	medial - radial nerve
1) 2)	llows:	medial - radial nerve  lateral - musculocutaneous nerve
1) 2) 3)	Illows:	medial - radial nerve  lateral - musculocutaneous nerve  anteriorly - N. medianus, formed by the lateral and medial roots
1) 2) 3) 4) 5)	Illows:	medial - radial nerve  lateral - musculocutaneous nerve  anteriorly - N. medianus, formed by the lateral and medial roots  of the medial - ulnar nerve and medial cutaneous nerves of the shoulder and forearm
1) 2) 3) 4) 5)	Illows:	medial - radial nerve  lateral - musculocutaneous nerve  anteriorly - N. medianus, formed by the lateral and medial roots  of the medial - ulnar nerve and medial cutaneous nerves of the shoulder and forearm  posteriorly - axillary nerve  the nerves that are not related to the lower fixed portion of the capsule of the shoulder joint (between
1) 2) 3) 4) 5) 48. the results of th	Name	medial - radial nerve  lateral - musculocutaneous nerve  anteriorly - N. medianus, formed by the lateral and medial roots  of the medial - ulnar nerve and medial cutaneous nerves of the shoulder and forearm  posteriorly - axillary nerve  the nerves that are not related to the lower fixed portion of the capsule of the shoulder joint (between scapularis from above and the tendon m. triceps brachii medially):

		axillary
4)	<b>~</b>	musculocutaneous
5)	<b>~</b>	median
49.	Adjad	ent to the lateral wall of the foramen quadrilaterum (collum chirurgicum of the humerus) are:
1)		scapular artery
2)		n. radialis
3)	<b>⊘</b>	n. axillaris
4)	<b>⊘</b>	a. circumflexa humeri posterior
5)		a. circumflexa scapulae
50.	A pui	rulent process (or hematoma) from regio axillaris can spread to the following areas:
1)	<b>✓</b>	deltoid
1)	<ul><li>✓</li></ul>	deltoid
2)	<b>②</b>	scapular
2)	<b>⊘</b>	scapular anterior shoulder area
2) 3) 4)	<b>⊗</b>	scapular anterior shoulder area lateral neck area
2) 3) 4)	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	scapular anterior shoulder area lateral neck area
<ul><li>2)</li><li>3)</li><li>4)</li><li>5)</li></ul>	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	scapular anterior shoulder area lateral neck area anterior forearm area
2) 3) 4) 5)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	scapular  anterior shoulder area  lateral neck area  anterior forearm area  projection line of the axillary artery corresponds to the following external landmarks:
2) 3) 4) 5) <b>51.</b>	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	anterior shoulder area  lateral neck area  anterior forearm area  projection line of the axillary artery corresponds to the following external landmarks:  the anterior border of axillary hair growth (according to N.I. Pirogov)
2) 3) 4) 5) <b>51.</b> 1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	anterior shoulder area  lateral neck area  anterior forearm area  projection line of the axillary artery corresponds to the following external landmarks:  the anterior border of axillary hair growth (according to N.I. Pirogov)  the lower edge of the pectoralis major muscle

5)	$\checkmark$	the border of the anterior and middle thirds of the width of the axillary fossa
52.		ches from the a. subclavia basin participate in collateral blood circulation through the scapular
anas	stomoti	c circle:
1)	V	suprascapular artery is a branch of the thyroid trunk (I division of the subclavian artery)
2)		truncus costocervicalis
3)	$\checkmark$	superficial and deep branches of the transverse artery of the neck (III division a. subclavia)
4)		vertebral artery
5)		truncus thyrocervicalis
53.	Axilla	ry lymph nodes receive lymph from:
1)	<b>Ø</b>	the mammary gland (medial, central and apical groups)
2)	<b>⊘</b>	of the upper extremity (lateral group)
3)	<b>~</b>	of the anterior, lateral and posterior chest walls and abdominal wall above the navel (medial group)
4)	<b>Ø</b>	of the lower lateral neck region
5)		of the umbilical region
54.	The s	upraspinous bone-fibrous bed of the scapula is limited:
1)	<b>Ø</b>	fossa supraspinata of the posterior surface of the scapula
2)		by the acromion
3)	<b>⊘</b>	of the spine of the scapula
4)	<b>⊘</b>	by the supraspinatus fascia
5)		by the neck of the scapula

55.	The s	supraspinous bone-fibrous bed of the scapula contains:
1)		trapezius muscle
2)	$\checkmark$	supraspinatus muscle
3)	$\checkmark$	supraspinatus cellular space (between the scapula and the supraspinatus muscle)
4)	<b>~</b>	suprascapular artery with its accompanying veins
5)	<b>~</b>	suprascapular nerve (CV-CVI)
56.	The f	ollowing are involved in the formation of the subacute bone-fibrous bed of the scapula:
1)		deltoid muscle
2)	<b>⊘</b>	fascia infraspinatus
3)	<b>⊘</b>	spina scapulae
4)	<b>~</b>	fossa infraspinatus of the posterior surface of the scapula
5)		fascia of the deltoid muscle
57.	The i	nfrasinatus bone-fibrous bed of the scapula contains:
1)	<b>~</b>	a. circumflexa scapulae
2)	$\checkmark$	infraspinatus cellular space (between the scapula and the subcostal muscle)
3)		axillary nerve
4)	<b>⊘</b>	m. teres minor and m. infraspinatus
5)	<b>~</b>	continuation of the suprascapular artery (from truncus thyrocervicalis)
58.	The r	adial nerve channel (canalis humeromuscularis) is formed by:
1)		the brachial muscle

2)		of the deltoid tuberosity of the humerus
3)	<b>&gt;</b>	the triceps muscle of the shoulder
4)		the interlobular sulcus
5)	<b>~</b>	sulcus n. radialis of the humerus
59.	With	a fracture of the humerus in the middle third, there is a risk of damage to the radial nerve. Why?
1)	$\checkmark$	spirally bends around the humerus, located in the furrow of the same name directly on the bone
2)	$\checkmark$	the displacement of the nerve is limited by its position in the shoulder-muscular canal
3)	$\checkmark$	fixed to the humerus septum intermusculare brachii lateralis
4)		in the shoulder-muscular canal from a. profunda brachii depart aa. nutriciae humeri
5)		fixed to the humerus m. brachialis
60. and		r and sensory disorders with a complete anatomical rupture of the N. radialis at the level of the middle thirds of the shoulder consists in:
and	lower t	chirds of the shoulder consists in:
<b>and</b> 1)	lower t	inability to straighten the hand ("hanging brush", "kiss brush")
1) 2)	lower t	inability to straighten the hand ("hanging brush", "kiss brush")  loss of skin sensitivity of the posterior area of the shoulder and forearm
1) 2) 3)	lower t	inability to straighten the hand ("hanging brush", "kiss brush")  loss of skin sensitivity of the posterior area of the shoulder and forearm  loss of skin sensitivity of the back of the hand and fingers (thumb, index and lateral half of the middle)
and 1) 2) 3) 4) 5)	lower t	inability to straighten the hand ("hanging brush", "kiss brush")  loss of skin sensitivity of the posterior area of the shoulder and forearm  loss of skin sensitivity of the back of the hand and fingers (thumb, index and lateral half of the middle)  impossibility of supination of the forearm and hand  loss of thumb retraction  projection of the radial nerve in the posterior region of the shoulder corresponds to the line connecting
1) 2) 3) 4) 5)	lower to	inability to straighten the hand ("hanging brush", "kiss brush")  loss of skin sensitivity of the posterior area of the shoulder and forearm  loss of skin sensitivity of the back of the hand and fingers (thumb, index and lateral half of the middle)  impossibility of supination of the forearm and hand  loss of thumb retraction  projection of the radial nerve in the posterior region of the shoulder corresponds to the line connecting
and 1) 2) 3) 4) 5) 61. the	lower t	inability to straighten the hand ("hanging brush", "kiss brush")  loss of skin sensitivity of the posterior area of the shoulder and forearm  loss of skin sensitivity of the back of the hand and fingers (thumb, index and lateral half of the middle)  impossibility of supination of the forearm and hand  loss of thumb retraction  projection of the radial nerve in the posterior region of the shoulder corresponds to the line connecting arks:

3)		the medial sulcus of the biceps muscle of the shoulder
4)		the sulcus of the radial nerve of the humerus
5)	<b>Ø</b>	the lower end of the sulcus bicipitalis lateralis
62.	Moto	r and sensory disorders with a complete anatomical rupture of N. axillaris consist in:
1)		the inability to bend
2)		the forearm shoulder in a pierced position
3)	<b>~</b>	the inability to withdraw the arm up to 70
4)		the inability to straighten the shoulder
5)	<b>~</b>	loss of skin sensitivity in the deltoid region and the upper part of the posterolateral shoulder
63.	The p	projection line of the brachial artery corresponds to:
1)		the humerus
2)		to the modial adag of the muhicons brashii
2)		to the medial edge of the m. biceps brachii
3)	<ul><li>✓</li></ul>	sulcus bicipitalis medialis
3)	<b>Ø</b>	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the
3)	<b>Ø</b>	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the humerus and the tendon of the biceps biceps muscle of the shoulder
3)	<ul><li>✓</li></ul>	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the humerus and the tendon of the biceps biceps muscle of the shoulder
3) 4) 5)	<ul><li>✓</li></ul>	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the humerus and the tendon of the biceps biceps muscle of the shoulder  sulcus bicipitalis lateralis
3) 4) 5) <b>64.</b>	₩     with	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the humerus and the tendon of the biceps biceps muscle of the shoulder  sulcus bicipitalis lateralis  a complete anatomical rupture of the musculocutaneous nerve, the following disorders occur:
3) 4) 5) <b>64.</b> 1)	₩ith	sulcus bicipitalis medialis  line connecting the apex of the axilla with the middle of the distance between the medial condyle of the humerus and the tendon of the biceps biceps muscle of the shoulder  sulcus bicipitalis lateralis  a complete anatomical rupture of the musculocutaneous nerve, the following disorders occur:  the forearm is bent in the elbow joint

4)		develops, the deltoid muscle is turned off from the function
5)		the arm is in constant withdrawal
65.	The "	arch" ("roof") of the shoulder joint is formed by:
1)		conical ligament
2)	<b>⊘</b>	lig. coracoacromiale
3)	V	acromion
4)	<b>~</b>	processus coracoideus
5)		upper transverse ligament of the scapula
66.	Anato	omical and functional features of the shoulder joint in a newborn:
1)	<b>⊘</b>	the articular cavity of the scapula and the head of the humerus have a cartilaginous structure
2)	<b>~</b>	the angle between the axes of the head and the body (diaphysis) is 170® (35® more than in an adult)
3)	<b>~</b>	the upper, middle and lower glenohumeral ligaments are not developed
4)		the cranio-brachial ligament is not developed
5)	<b>Ø</b>	the volume of movements the joint is limited, especially the retraction, rotation and lifting of the limb above the horizontal level
67.	Cavit	as glenoidalis scapulae of a newborn is characterized by the fact that it is:
1)		deep
2)	V	oval
3)	<b>⊘</b>	oval flattened, shallow

5)		discoid shape
68.	Artic	ular capsule articulatio humeri of a newborn:
1)	<b>~</b>	fused with a short, sufficiently developed, cranio-brachial ligament
2)		ligaments are not differentiated
3)	<b>~</b>	stretched
4)		the free
5)		one has a loose structure
69.	In 3-y	rear-old children, with an increase in the range of motion, the capsule of the shoulder joint:
1)	<b>②</b>	becomes more free
2)	<b>②</b>	the coracohumerale ligament lengthens
3)	<b>②</b>	and acquires a shape typical for an adult
4)		there are no processes of collagenization of its fibrous membrane
5)		there is no intercellular vagina
70.	The s	ynovial membrane of the shoulder joint forms depressions:
1)		recessus sacciformis
2)	<b>②</b>	intertubercular vagina
3)	<b>~</b>	bursa subtendinea m. subscapularis
4)	<b>~</b>	in the lower part (recessus axillaris - isolated from clinical positions)
5)		depressions have no practical significance

71. are:	Anat	omical prerequisites for upward displacement of the clavicle in dislocations in the acromioclavicular joint
1)	$\checkmark$	the obliquely cut articular surface of the clavicle rests on the articular surface of the acromion
2)		traction of the muscle lifting the scapula
3)	$\checkmark$	the presence of discus articularis (in 1/3 of cases)
4)		traction of the trapezius muscle
5)	<b>②</b>	in relation to the horizontal plane the joint cavity forms an obtuse angle, open upward and medially
72.	The I	oundaries of the lower aperture of the axillary cavity correspond to:
1)		the anatomical neck of the humerus
2)	$\checkmark$	the lower edge of the pectoralis major muscle
3)	$\checkmark$	the lower edge of M. latissimus dorsi et M. teres major
4)		the spine of the shoulder blade
5)	<b>Ø</b>	lines connecting the lower edge of the pectoralis major muscle and the latissimus dorsi muscle on the chest wall and shoulder
73.	The	opper aperture of the axillary cavity is limited by:
1)		from behind - spina scapulae
2)	<b>V</b>	from the front - clavicle
3)	<b>V</b>	medially - I rib
4)		from above - acromion
5)	<b>V</b>	from behind - upper edge of the scapula

74. The exit (lower) opening of the radial nerve canal (between the middle and lower thirds of the humerus) is

limit	limited by:		
1)		the lateral intermuscular fascial septum of the shoulder	
2)	<b>~</b>	the brachial muscle	
3)	<b>~</b>	the brachioradialis muscle	
4)		the lateral condyle of the humerus	
5)		the short head of the biceps muscle of the shoulder	
75.	Fasci	a axillaris has the following features:	
1)	<b>✓</b>	more dense and durable along the edges of the axillary fossa	
2)	$\checkmark$	a significant part of the fiber of the axillary cavity is fused with it	
3)		forms a fascial sheath of the neurovascular bundle of the axillary region	
4)	<b>~</b>	in the center, thin (called the lattice axillary fascia; it is pierced by small veins, nerves, lymphatic vessels)	
5)	$\checkmark$	the plate of the clavicular-thoracic fascia is fused with it ("the supporting ligament of the armpit")	
76.	The e	external landmarks for determining the upper and lower boundaries of the regio cubiti are:	
1)		Olecranon	
2)	<b>②</b>	The medial epicondyle of humeri	
3)		The head of the radius	
4)	V	Epicondylus lateralis of the humerus	
5)		The coronal process of the ulna	
77.	Verti	cal lines drawn through the condyles of the humerus, the ulnar region is divided into:	
1)		Anterior elbow area	

2)		The ulnar fossa			
3)	$\checkmark$	Elbow joint			
4)	$\checkmark$	The posterior elbow area			
5)		Lateral ulnar sulcus			
78. corre	78. The external landmarks of the fossa, where, with a slightly bent forearm, the head of the radius is probed, correspond to:				
1)		Epicondylus medialis of the humerus			
2)	<b>V</b>	Olecranon			
3)	$\checkmark$	The lateral epicondyle of the humerus			
4)	$\checkmark$	A fossa 1 cm downwards from epicondylus lateralis			
5)		The coronal process of the ulna			
79.	The f	issura of the elbow joint is projected onto:			
1)		Humerus Block			
2)	<b>~</b>	A line drawn 1 cm downwards from the lateral and 2 cm from the medial epicondyles of the humerus			
3)		The head of the condyle of the humerus			
4)	$\checkmark$	1 cm down from the ulnar skin fold			
5)		The head of the radius			
80.	In the	e posterior ulnar region, N.ulnaris is located in a furrow ("channel"), the walls of which are formed by:			
1)		A medial supracondyle ridge			
2)	<b>~</b>	The medial edge of the olecranon			

3)		The coronal process of the ulna
4)	<b>~</b>	Sulcus nervi ulnaris of the medial epicondyle of the humerus
5)	<b>Ø</b>	Its own fascia of the posterior ulnar region
81.	Ulnaı	nerve "channel" syndrome is a complication:
1)	<b>②</b>	Arthrosis of the elbow joint
2)	<b>Ø</b>	Fracture of the medial condyle of the humerus
3)		Applying a tourniquet in the upper third of the shoulder
4)	<b>V</b>	Habits of putting your elbows on the table
5)	<b>Ø</b>	Frequent flexion and extension of the forearm
82.	The c	linical manifestations of the ulnar nerve "channel" syndrome are:
1)	<b>Ø</b>	Numbness of the little finger and medial side of the hand
2)		Violation of supination and pronation of the forearm and hand
3)		Weakness and atrophy of the muscles of the elevation of the little finger (short flexor, diverting and opposing
		little finger muscles), dorsal and palmar interosseous muscles, adductor muscle of the thumb, deep head of the
		little finger muscles), dorsal and palmar interosseous muscles, adductor muscle of the thumb, deep head of the short flexor of the thumb, 3rd and 4th wormlike muscles
4)		
4) 5)		short flexor of the thumb, 3rd and 4th wormlike muscles
		short flexor of the thumb, 3rd and 4th wormlike muscles  Hanging brush
	With	short flexor of the thumb, 3rd and 4th wormlike muscles  Hanging brush
5)	With	short flexor of the thumb, 3rd and 4th wormlike muscles  Hanging brush  Atrophy of the deltoid muscle
5) <b>83.</b>		short flexor of the thumb, 3rd and 4th wormlike muscles  Hanging brush  Atrophy of the deltoid muscle  palpation and percussion in the projection of the "channel" of the ulnar nerve, the pain spreads to:
83. 1)		short flexor of the thumb, 3rd and 4th wormlike muscles  Hanging brush  Atrophy of the deltoid muscle  palpation and percussion in the projection of the "channel" of the ulnar nerve, the pain spreads to:  The lower third of the anterior area of the forearm

4)		Elevation of the thumb
5)	<b>②</b>	Palmar surfaces of the V and medial half of the IV finger
84.	The p	ulse on the brachial artery in the anterior ulnar region is determined by focusing on:
1)		The head of the radius
2)	<b>~</b>	Tendo of m. bicipitis brachii
3)		The coronal fossa of the humerus
4)		The middle of the line between the condyles of the humerus
5)	<b>②</b>	Medial edge of biceps aponeurosis (lacertus fibrosus; fascia Pyrogovi)
85.	Subc	utaneous veins of the anterior ulnar region, which are used for intravenous injections:
1)		Medial subcutaneous vein of the forearm
2)	<b>~</b>	Lateral subcutaneous vein of the arm
3)	<b>⊘</b>	V. mediana cubiti
4)		Median vein of the forearm
5)	<b>⊘</b>	Medial saphenous vein of the arm
86.	V. ba	silica et v. cephalica in the anterior ulnar region form anastomoses which are indicated by letters:
1)		«A»
2)	<b>~</b>	«M»
3)		«Y»
4)	<b>~</b>	«N»
5)		«Z»

muscles consists of:			
1)		n. ulnaris et a. collateralis ulnaris superior	
2)		Median nerve	
3)		Radial nerve	
4)		The lateral subcutaneous vein of the arm and the lateral cutaneous nerve of the forearm	
5)	$\checkmark$	Radial collateral artery	
88. off br	88. On the capsule of the elbow joint between the shoulder muscle and the m. supinator, the radial nerve gives off branches:		
1)		Posterior cutaneous nerve of the forearm	
2)	<b>✓</b>	The superficial branch	
3)		Posterior ulnar nerve of the shoulder	
4)	<b>V</b>	n. interosseus posterior	
5)		r. profundus	
89.	The b	prachial artery in relation to the aponeurosis of the m. bicipitis brachii is located as follows:	
1)		Up	
2)		Medially	
3)	$\checkmark$	Laterally	
4)	<b>~</b>	Back up	
5)		To front	

90. The lymph nodes of the anterior ulnar region - one of the sources of the development of superficial and deep

phieg	pniegmon - are located:		
1)		Along the course of the ulnar artery	
2)	$\checkmark$	2 cm up from the medial epicondyle of the humerus, along the course of v. basilica	
3)		They accompany the median vein of the forearm	
4)	$\checkmark$	2 cm downwards from the line connecting the epicondyles (at the a. brachialis bifurcation)	
5)		Accompanied by v. cephalica	
91.	Nerv	es are attached to the capsule of the elbow joint:	
1)		Medial cutaneous nerve of the forearm	
2)	<b>~</b>	Deep branch of the radial	
3)		The median	
4)	$\checkmark$	Ulnaris	
5)		The surface branch of the radial	
92. capsı		nsufficient development of the fibrous membrane explains the localization of the "weak" places of the the elbow joint:	
1)		At the level of the radial incision of the ulna	
2)		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)	<b>✓</b>	A sac-like depression (recessus sacciformis) medially from the neck of the radius, directed downward	
5)		In the anterior-upper section	

93. The separation of the cavity of the elbow joint due to swelling of articular cartilage and synovial membrane

requi	requires incisions for dramage:		
1)		A bag-like recess	
2)	<b>⊘</b>	Anterior joint	
3)		Bursa subcutanea olecrani	
4)	<b>②</b>	Posterior joint	
5)		Subcutaneous bursa of the triceps muscle of the shoulder	
94.	The u	Ilna and radius, the proper fascia and the interosseous membrane of the forearm form:	
1)	<b>~</b>	The front bed of the forearm (for flexors and pronators)	
2)		The middle bed of the palm	
3)	<b>~</b>	Posterior bed of the forearm (for extensors and supinators)	
4)		The lateral bed of the palm	
5)	<b>Ø</b>	Lateral bed of the forearm (for the shoulder muscle, long and short extensors of the wrist)	
95.	The s	kin of the anterior region of the forearm can be used for plastic surgery on the face ("sharp" stem flap	
acco	rding t	o V.P. Filatov), because it:	
1)	<b>~</b>	Easily detaches from its own fascia	
2)	<b>~</b>	Thin	
3)	<b>~</b>	Mobile	
4)	<b>~</b>	Its properties are close to the skin of the face	
5)		Contains a large number of sebaceous glands	
96.	To de	termine the projection of the median nerve in the anterior region of the forearm, the following external	

landmarks are used:

1)		The middle of the distance between the epicondyles of the humerus
2)		Medial edge of the elbow flexor of the wrist
3)	<b>②</b>	The proximal end of the thenar skin fold (when bringing the thumb)
4)	<b>②</b>	The middle of the line between the styloid processes of the ulna and radius
5)		Medial edge of the brachialis muscle
97.	The p	projection line of the ulnar neurovascular bundle corresponds to the following external landmarks:
1)		The lateral edge of the circular pronator
2)	<b>~</b>	Medial epicondyle of the humerus
3)		The medial edge of the long flexor of the thumb
4)	<b>~</b>	Pisiformis bone
5)		Ulna
98.	Exter	nal landmarks of the radial artery projection:
1)		The radius
2)		Medial edge of the brachialis muscle
3)		The middle of the line between the epicondyles of the humerus
4)		
4)		Medial edge of the circular pronator
5)	<ul><li>□</li><li>✓</li></ul>	Medial edge of the circular pronator  The pulse point of the radial artery
	<b>⊘</b>	
5)	<b>⊘</b>	The pulse point of the radial artery
99.	✓ In the	The pulse point of the radial artery  e lower third of the forearm, the median nerve is not located in:

3)	$ \checkmark $	The ulnar sulcus between the superficial flexor of the fingers (laterally) and the ulnar flexor of the wrist (medially)
4)		The median sulcus between the tendon of the long palmar muscle (medially) and the tendon of the radial flexor of the wrist (laterally)
5)	<b>②</b>	The shoulder and elbow heads of the pronator teres
100.	The f	ront bed of the forearm is limited:
1)	<b>~</b>	Fascia antebrachii (front)
2)	<b>⊘</b>	By the anterior surfaces of the ulna, radius and interosseous membrane (back)
3)		by the fascial case of the pronator teres (back)
4)	<b>~</b>	by the fascia of the forearm (medially)
5)	$\checkmark$	Anterior radial intermuscular septum
101.	The d	eep cellular space of the anterior bed of the forearm is located between:
<b>101.</b> 1)	The d	eep cellular space of the anterior bed of the forearm is located between:  Membrana interossei anterbachii
1)	<b>②</b>	Membrana interossei anterbachii
1)	<b>②</b>	Membrana interossei anterbachii  M. flexor digitorum profundus
1) 2) 3)	<ul><li>✓</li></ul>	Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers
1) 2) 3) 4)		Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus
1) 2) 3) 4) 5)		Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus  Fascia of the pronator quadratus
1) 2) 3) 4) 5)		Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus
1) 2) 3) 4) 5)		Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus  Fascia of the pronator quadratus
1) 2) 3) 4) 5)	✓ ✓ The la	Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus  Fascia of the pronator quadratus  ateral bed of the forearm is limited by:
1) 2) 3) 4) 5) 102.	✓ ✓ The la	Membrana interossei anterbachii  M. flexor digitorum profundus  The surface flexor of the fingers  M. flexor pollicis longus  Fascia of the pronator quadratus  ateral bed of the forearm is limited by:  Anterior radial intermuscular septum (medially)

4)		Posterior radial intermuscular septum (posterior)
5)	<b>~</b>	Fascia of the forearm (laterally)
103.	The p	posterior fascial bed of the forearm is located between:
1)	<b>~</b>	The posterior radial intermuscular septum (laterally)
2)		Ulna (posterior)
3)	<b>Ø</b>	Fascia of the forearm, attached to the posterior edge of the ulnae (medially)
4)	<b>②</b>	The posterior surface of the ulna, radius and interosseous membrane (front)
5)	<b>~</b>	Fascia of the forearm (back)
104.	The v	valls of canalis supinatorius:
1)	<b>V</b>	Anteromedial - neck of the radius (at the level of the entrance hole)
2)		Medial - brachial muscle
3)		Lateral - M. brachioradialis
4)		Anterior - aponeurosis of the biceps muscle of the shoulder
5)	<b>Ø</b>	Lateral - supinator
105.	Infrir	gement (damage, or ingrowth into the callus) of the r. profundus of the radial nerve in collum radii
		due to the fact that it:
1)	<b>V</b>	Bends around the neck of the radius
2)		It passes in the radial furrow of the anterior region of the forearm
3)		Penetrates the M. supinator
4)	<b>~</b>	Fixed in canalis supinatorius (m. supinator - laterally, radius - medially)

106.	Phle	gmon of the cellular space of N.I. Pirogov - Parona is, as a rule, a complication:
1)	<b>~</b>	Tendobursitis of the radial sac (synovial vagina of the long flexor of the thumb)
2)		Tendovaginitis of the middle finger
3)	<b>~</b>	Tendobursitis of the ulnar sac (common synovial vagina of the flexors of the little finger and the proximal part of the synovial vaginas of the flexors of the index, middle and ring fingers of the hand)
4)		Subcutaneous palmar surface panaritium
5)	<b>~</b>	Phlegmons of the subaponeurotic space of the middle palm bed (via canalis carpi)
107.	Ways	s of spreading purulent congestion from the cellular space of N.I. Pirogov - Parona:
1)		Ascending (progressive phlegmon of the forearm - V.F. Voino-Yasenetsky) - along the anterior interosseous neurovascular bundle
2)		Along the ulnar neurovascular bundle
3)	$\checkmark$	When the synovial membrane melts into the distal radiocarpal joint, and then into the wrist joint
4)	<b>~</b>	Into the deep cellular space of the posterior bed of the forearm-through holes in the membrana interossea
5)		Into the intermuscular space of the anterior bed of the forearm (between the second and third layers of muscles)
108.	The v	walls of the carpal canal are formed by:
1)	$\checkmark$	pisiforme bone and os hamatum (medially)
2)		Retinaculum musculorum extensorum (rear)
3)	$\checkmark$	Navicular and trapezoid bone (laterally)
4)		Retinaculum flexorum Flexor (front)

5)

It is directly adjacent to the neck of the radius

		al tunnel syndrome (one of the most common types of tunnel syndrome is compression of N. medianus in pi) manifests itself:
1)		Irradiation of pain in the tenar area and the lateral half of the hand
2)	<b>~</b>	Numbness, paresthesia and pain in the I-VI fingers of the hand
3)	<b>~</b>	Paresthesia occurs at night; decreases with shaking of the hand
4)	<b>~</b>	Atrophy and weakness of the muscles of the hand, especially the elevation of the thumb
5)		Atrophy of M. flexor digitorum superficialis
110.	Com	pression of N. medianus in canalis carpi is a consequence of:
1)	<b>Ø</b>	Congenital narrowness of the canal
2)	<b>Ø</b>	An increase in the volume of callus in fractures of the wrist bones
3)	<b>~</b>	Constant overload of the hand (musicians, cutters, seamstresses, etc.)
4)		Fracture of the III metacarpal bone
5)	<b>~</b>	Tendoburcitis
111.	The o	canalis carpi radialis contains:
1)		The radial artery with its accompanying veins
2)		Superficial branches of the radial nerve
3)	<b>V</b>	Vagina tendinis musculi flexoris carpi radialis
4)		Radial nerve
5)	<b>~</b>	The tendon of the radial flexor of the wrist

 ${f ec{V}}$  The bones of the wrist and the deep ligaments of the wrist

5)

112.	The u	Ilnar canal of the wrist contains:
1)		The tendo m. flexor carpi ulnaris with its synovial vagina
2)	<b>~</b>	Ulnar nerve
3)		The deep branch of N. ulnaris
4)	<b>②</b>	The ulnar artery with its accompanying veins
5)		The superficial branch of the ulnar nerve
113.	The v	vrist joint is formed by:
1)	$\checkmark$	Carpal articular surface radius
2)		The awl-shaped process of the ulna
3)	$\checkmark$	Articular disc (triangular shape)
4)		The pea-shaped bone
5)	<b>②</b>	Proximal row of wrist bones (navicular, semilunar, triangular)
114.	A ga <sub>l</sub>	o in the articular disc informs (in 40%) joints:
1)		Interstitial
2)	$\checkmark$	The wrist
3)		The joint of the pisiform bone
4)		Medial metacarpal
5)	<b>~</b>	Distal radioulnaris
115.	The o	avity of the wrist joint corresponds to:
1)		The apex of the styloid process of the radius

2)		Proximal arcuate skin fold of the wrist when extending the hand
3)		The line connecting the bases of the awl-shaped processes of the radius and ulna
4)	<b>⊘</b>	An arcuate line on the back of the wrist between the tips of the awl - shaped processes of the forearm bones with a bulge up to 1 cm upward in its middle
5)		The forbidden area of the Canavel
116.	Palma	ar aponeurosis is characterized by the fact that it is:
1)	$\checkmark$	Triangular in shape with a base to the fingers of the hand
2)	$\checkmark$	Durable, thick
3)		Is an extension of the radial flexor tendon of the wrist
4)	<b>②</b>	It is formed by longitudinal (superficial) fibers of the tendon of M. palmaris longus and transverse (deep) fibers of the fascia of the palm
5)	<b>⊘</b>	In the distal part of the palm, the commissural openings are limited between the heads of the II-V metacarpal bones
117.	Throu	igh the commissural openings are communicated:
1)	<b>~</b>	Subcutaneous tissue of the palmar surface of the proximal phalanges of the II-V fingers of the hand
2)	<b>~</b>	Subaponeurotic cellular cleft of the middle fascial bed of the palm
3)		The space of N.I. Pirogov - Parona
4)	$\checkmark$	Subcutaneous tissue corresponding to the commissural openings ("palm pads")
5)	<b>⊘</b>	Fiber along the course of its own palmar finger neurovascular bundles
118.	The n	nedial fascial bed of the palm is limited:
1)		I-th metacarpal bone (laterally)

2)		Fascia (hypothenar) of the palm (front)
3)		Deep fascia of the palm and V-th metacarpal bone (back)
4)	$\checkmark$	Medial intermuscular septum (laterally)
5)		Palmar aponeurosis (front)
119.	The v	valls of the lateral fascial bed of the palm are:
1)	$\checkmark$	Fascia (thenar) of the palm (front)
2)	$\checkmark$	Lateral intermuscular septum (laterally)
3)		Deep plate of the fascia of the palm and the I-th metacarpal bone (back)
4)		Palmar aponeurosis (front)
5)	<b>✓</b>	The connection of the fascia of the palm with the I-th metacarpal bone (laterally)
120.	The r	niddle fascial bed of the palm is limited by:
<b>120.</b> 1)	The r	niddle fascial bed of the palm is limited by:  Palmar aponeurosis (anterior)
1)	<b>⊘</b>	Palmar aponeurosis (anterior)
1)	<b>⊘</b>	Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)
2)	<ul><li>✓</li></ul>	Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)
1) 2) 3) 4)		Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)  Lateral intermuscular septum (laterally)
1) 2) 3) 4) 5)		Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)  Lateral intermuscular septum (laterally)  Deep plate of the fascia of the palm (back)
1) 2) 3) 4) 5)		Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)  Lateral intermuscular septum (laterally)
1) 2) 3) 4) 5)		Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)  Lateral intermuscular septum (laterally)  Deep plate of the fascia of the palm (back)
1) 2) 3) 4) 5)	✓ ✓ ✓ In the	Palmar aponeurosis (anterior)  Medial intermuscular septum (medial)  The V-th metacarpal bone (medially)  Lateral intermuscular septum (laterally)  Deep plate of the fascia of the palm (back)  e subaponeurotic (superficial) slit of the middle fascial bed, the palms are arranged in layers:

3)		Palmar aponeurosis
4)	$\checkmark$	Tendons of the superficial and deep flexors of the fingers with a common synovial vagina
5)		Lateral intermuscular septum
122.	The s	superficial palmar arch, crossing the tendons of the flexors of the fingers, is located at the level of:
1)		The middle third of the length of the metacarpal bones
2)		The proximal transverse skin fold of the palm
3)		Distal transverse skin fold of the palm
4)	$\checkmark$	2 cm downwards from the lower edge of the retinaculum flexorum
5)		The heads of the metacarpal bones
123.	The p	projection of the r.r. musculares of the median nerve (the "forbidden zone" of the Canavel) is located:
1)	<b>⊘</b>	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)
1)	<b>⊘</b>	
		3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)
2)		3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)
2)	<ul><li>□</li><li>✓</li></ul>	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom)
2)	<ul><li>□</li><li>✓</li></ul>	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the
3)	<ul><li>□</li><li>✓</li></ul>	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom) (according to A.S. Naryadchikova)
3)		3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom) (according to A.S. Naryadchikova)
2) 3) 4)		3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom) (according to A.S. Naryadchikova)  At the level of the carpocarpal joint
2) 3) 4) 5)	The I	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom) (according to A.S. Naryadchikova)  At the level of the carpocarpal joint
2) 3) 4) 5) 124.	The I	3-4 cm down from the distal skin fold of the wrist (according to A.A. Travin)  At the level of the metacarpal heads (II,III)  Accordingly, the proximal third of the skin fold is thenar  In the area between the thenar fold (bottom) and the lines from the trapezoid bone to the medial edge of the palmar-palmar fold of the V finger (top) and the lateral edge of the palmar-palmar fold of the III finger (bottom) (according to A.S. Naryadchikova)  At the level of the carpocarpal joint  ateral fascial bed of the palm (thenar bed) contains:  m. abductor pollicis brevis and branches of r. profundus n. ulnaris

4)	V	Oblique and transverse glans of the m. adductor pollicis and branches of the median nerve
5)	<b>Ø</b>	The tendon m. flexor pollicis longus with its synovial vagina
125.	The c	leep cellular gap of the thenar bed is located between:
1)		The tendon of the long flexor of the thumb
2)		The transverse head of the m. adductor pollicis
3)	<b>~</b>	The lateral part of the deep (interosseous) fascia thenar
4)		Tendon of M. palmaris longus
5)		Ulnar synovial sac
126.	The I	ateral cellular space communicates with:
1)		The space of N.I. Pirogov-Parona
2)	<b>~</b>	Deep cellular cleft thenar at the lateral edge of the transverse head of the m. adductor polilcis
3)	<b>✓</b>	Along the radial artery it passes to the rear of the I-th carpocarpal space
4)		The hypothenar bed
5)	<b>~</b>	The back of the hand between the heads of m. abductor pollicis under m. interosseus posterior primus
127.	The s	ubcutaneous tissue of the palm surface of the finger is characterized by the following features:
1)	<b>Ø</b>	Contains a large amount of adipose tissue
2)	<b>~</b>	It has the form of spherical clusters
3)	<b>✓</b>	Located between connective tissue (fibrous) bridges from the papillary layer of the skin to the periosteum (distal phalanx) and fibrous sheaths of flexor tendons (middle and proximal phalanges)
4)		It has a layered structure

5)		The structure of the subcutaneous tissue of the palm surface of the finger does not matter in the clinical manifestations of inflammation
128.	The b	oorders of the gluteal region correspond to:
1)	<b>⊘</b>	the iliac crest (upper)
2)		of the large sciatic notch (lateral)
3)	<b>⊘</b>	of the gluteal fold (lower)
4)		of the posterior median line in the depth of the interagodial fold (medial)
5)	<b>~</b>	of the vertical line drawn through the spina iliaca anterior superior et trochanter major (lateral)
		exit point of a.glutea superior into the gluteal region is located on the border of the upper and middle etween:
1)		tuber ischiadicum
2)		upper posterior iliac spine
3)	<b>Ø</b>	upper posterior iliac spine
4)	<b>✓</b>	apex of the large trochanter
5)		on the Roser-Nelaton line
130.	Land	marks of the projection of the exit of the inferior gluteal artery into the gluteal region:
1)		pubic tubercle
2)	<b>✓</b>	spina ileaca posterior superior
3)		spine iliac wing
4)	<b>~</b>	medial edge tuber ischiadicum
5)		apex of the coccyx

131.	The s	ciatic nerve is projected at a point in the middle of the distance between (the point of nerve blockage):
1)		promontorium
2)		sciatic spine
3)	<b>~</b>	apex of the great trochanter
4)		superior anterior iliac spine
5)	<b>②</b>	medial edge of the tuber ischiadicum
132.	The s	kin of the gluteal region (closer to the interdigital fold) is characterized by the presence of:
1)	<b>Ø</b>	hair
2)	<b>~</b>	of the sebaceous glands
3)	<b>~</b>	of connective tissue partitions, fixing it to its own fascia
4)		of significant
5)	<b>②</b>	displacement of sweat glands
133.	Struc	tural features of the subcutaneous base of the upper lateral gluteal region:
1)	V	divided into superficial and deep layers by the plate of the superficial fascia
2)	<b>⊘</b>	the deep layer of the subcutaneous base upwards from crista iliaca passes into massa adiposa lumboglutealis there
3)	<b>~</b>	are branches of the upper gluteal neurovascular bundle
4)	<b>Ø</b>	pass the upper, middle and lower nerves of the buttocks
5)		has a loose structure
134.	The g	luteal fascia has a close anatomical relationship with the muscles:

1)		m. erector spine
2)		m. obturatorius interna
3)	<b>⊘</b>	gluteus maximus
4)	$\checkmark$	gluteus medius
5)		biceps femoris muscle
135.	The c	linical significance of the anatomical relationship of the gluteal fascia with M. gluteus maximus:
1)		passes into the lumbar-thoracic fascia (fascia thoracolumbalis)
2)	$\checkmark$	fascia from the muscle can only be separated by acute
3)		suppuration in the thickness of the gluteus maximus muscle (complication of intramuscular injection) is limited in nature
4)		gluteal fascia passes into fascia lata
5)	<b>⊘</b>	inflammatory infiltrates are accompanied by a sharp increase in pressure with the development of pronounced pain the syndrome
136.	The c	ellular space of the gluteal region is located under:
1)		the middle gluteus
2)		m. quadratus femoris
3)		piriformis muscle
4)	<b>Ø</b>	the gluteus maximus muscle
5)	<b>⊘</b>	the deep plate of the gluteal fascia
137.	The I	arge sciatic opening is limited by:
1)		the upper aperture of the pelvis

3)	V	large sciatic notch
4)		sciatic tubercle
5)	$\checkmark$	sacro-spinous ligament
		lent exudate from under the gluteus maximus (subclavian space) cannot spread into the lateral space of inal cavity of the pelvis through the holes:
1)	$\checkmark$	obturatorium
2)	<b>~</b>	suprapiriforme
3)	$\checkmark$	small sciatic
4)		infrapiriforme
5)	V	hiatus saphenus
		e foramen suprapiriforme, the trunk of the superior gluteal artery is fixed to:  fascia of the internal locking muscle
2)	<b>✓</b>	periosteum of the large sciatic notch
3)		fascia of the piriformis muscle
4)	$\checkmark$	fascia of the middle gluteal muscle
5)		fascia of the squared thigh muscle
140.	It exi	its into the gluteal region through the foramen suprapiriforme:
<b>140.</b>	It exi	its into the gluteal region through the foramen suprapiriforme:  nn. clunium superiores

3)		superior giuteai nerve
4)	<b>⊘</b>	superior gluteal artery
5)	<b>~</b>	superior gluteal veins
141.	Nerve	es exit through the foramen infrapiriforme into the gluteal region:
1)		the upper gluteal
2)	<b>⊘</b>	genital
3)	<b>⊘</b>	gluteal inferior
4)	<b>~</b>	sciatic
5)	<b>~</b>	n. cutaneus femoris posterior
1)		a. rectalis inferior
142.	The a	rteries enter the gluteal region through the foramen infrapiriforme:
2)	<b>~</b>	inferior gluteal
3)	<b>V</b>	
4)		a. pudenda interna
	<b>~</b>	a. pudenda interna  artery accompanying the sciatic nerve
5)		
		artery accompanying the sciatic nerve
		artery accompanying the sciatic nerve  internal iliac artery
143.	The s	artery accompanying the sciatic nerve  internal iliac artery  mall sciatic foramen is limited by:
<b>143.</b> 1)	The s	artery accompanying the sciatic nerve  internal iliac artery  mall sciatic foramen is limited by:  a branch of the ischia bone
143. 1) 2)	The s	artery accompanying the sciatic nerve  internal iliac artery  mall sciatic foramen is limited by:  a branch of the ischia bone  the sacro-tubercular ligament

5)	<b>⊘</b>	of the small sciatic incisura
144.	In fos	ssa ischiorectalis, the following pass through the small sciatic opening from the gluteal region:
1)	<b>⊘</b>	internal pudendal artery
	<b>⊘</b>	internal pudendal nerve
2)		
3)		perineal nerves
4)		femoral nerve
5)	<b>Ø</b>	internal pudendal vein
145.	For i	ntramuscular injections of drugs, the upper lateral quadrant of the gluteal region is used because:
1)	<b>V</b>	there are no large neurovascular bundles
2)	<b>~</b>	a pronounced muscular array
3)		there located n. ischiadicus
4)	<b>②</b>	when sitting, soft tissues are subjected to a lesser degree of compression
5)		the subcutaneous base has a cellular structure
146.	The c	lifficulties of stopping bleeding in wounds of the gluteal region are due to:
1)	<b>Ø</b>	the deep position of the source of bleeding in the musculocellular array
2)	<b>Ø</b>	short out-of-phase sections of the upper and lower gluteal arteries
3)	<b>⊘</b>	the proximal ends of the arteries contract into the supra- and subarachnoid openings, distal - into the depth of the musculocellular array
4)	<b>~</b>	the gluteal arteries have a large number of anastomoses
5)		blood outflow occurs into the internal iliac vein

neurovascular bundles:		
1)	<b>~</b>	to the posterior region of the thigh (according to N.ischiadicus)
2)	V	through the small sciatic foramen into the ischiorectal fossa (along the int. pudendal bundle)
3)	<b>~</b>	through the infrapiriforme foramen into the lateral cellular space of the pelvis (along the lower gluteal and genital bundles)
4)		through the suprapiriforme foramen into the lateral the cellular space of the pelvis (along the upper gluteal bundle)
5)		into the medial musculofascial bed of the thigh (along the obturator bundle)
148.	To bu	uild the Roser-Nelaton line, landmarks are used:
1)		iliac crest
2)		pubic tubercle
3)	$\checkmark$	spina ileaca anterior superior
4)		trochanter minor
5)	$\checkmark$	trochanter major
149.	The I	Roser-Nelaton line is used in the diagnosis of:
1)		phlegmons of the gluteal region
2)	<b>~</b>	of congenital hip dislocation
3)		coxarthrosis of the hip joint
4)	<b>⊘</b>	fracture of the femoral neck
5)	<b>~</b>	coxa vara

147. Possible ways of spreading purulent congestion from the gluteal region along the course of the

150.	The I	igament of the femoral head contains:
1)		the occlusal nerve
2)	<b>②</b>	the trochanteric branch (from R. posterior a. obturatoria)
3)		the femoral-genital nerve
4)	<b>②</b>	v.v. acetabularis (tributaries of the obturator vein)
5)		v.v. gluteae inferiores
151.	The h	nip joint is strengthened by ligaments:
1)		sacro-tubercular
2)	<b>⊘</b>	iliofemorale (transverse and descending parts)
3)	<b>⊘</b>	lig. ischiofemorale
4)	<b>✓</b>	zona orbicularis
5)	<b>Ø</b>	pubofemorale
152.	The I	acuna vasorum is limited by:
1)	<b>✓</b>	inguinal ligament
2)		m. pectineus
3)	<b>✓</b>	lacunar ligament
4)	V	pectineal ligament with the upper branch of the pubic bone
5)	<b>~</b>	arcus ileopectineus
153.	Lacui	na vasorum contains:
1)		external iliac artery

2)		loose fibrous connective tissue
3)	<b>Ø</b>	femoral branch of the n. genitofemoralis
4)	<b>✓</b>	femoral vein
5)	$\checkmark$	femoral artery
154.	The v	valls of the anulus femoralis (inner opening of the femoral canal) form:
1)		inguinal ligament
2)	$\checkmark$	pectineal ligament
3)		ilio-pubic elevation
4)	<b>~</b>	lacunar ligament
5)	$\checkmark$	fascial sheath of the femoral vein
155.	Spec	ify the intermuscular fascial septa of the thigh area and their characteristics:
<b>155.</b> 1)	Spec	ify the intermuscular fascial septa of the thigh area and their characteristics:  lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)
1)	<b>⊘</b>	lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)
1)	<b>⊘</b>	lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)
2)	<ul><li>✓</li><li>✓</li></ul>	lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)
1) 2) 3) 4)		lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)
1) 2) 3) 4)		lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)  tractus iliotibialis (durable, has an aponeurotic structure)
1) 2) 3) 4)		lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)
1) 2) 3) 4) 5)		lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)  tractus iliotibialis (durable, has an aponeurotic structure)
1) 2) 3) 4) 5)		lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)  tractus iliotibialis (durable, has an aponeurotic structure)  a pinched femoral hernia, they do not dissect:
1) 2) 3) 4) 5) 156.	With	lateral (in the form of aponeurosis; between the anterior and posterior muscular-fascial beds)  posterior (loose; between the posterior medial beds)  iliac-pectineal arch (between the inguinal ligament and the crest of the pubic bone)  medial (strong; between the medial and anterior muscular-fascial beds)  tractus iliotibialis (durable, has an aponeurotic structure)  a pinched femoral hernia, they do not dissect:  lacunar ligament

5)	<b>Ø</b>	sacro-spinous ligament
		se of a pinched femoral hernia, the lacunar ligament is dissected between the Kocher hemostatic clamps t in order to avoid bleeding due to damage to:
1)		the femoral vein
2)		of the femoral artery
3)	<b>~</b>	of the obturator artery - branches a.epigastrica inferior (corona mortis-27.6% according to V.V.Kovanov and T.A.Anikina)
4)		of the umbilical artery
5)	<b>~</b>	of anastomosis between the pubic branch a.obturatoria and the occlusal branch of the inferior epigastric artery (corona mortis - 30%)
158.	The <sub>l</sub>	projection line of the femoral artery (Ken's line) corresponds to the landmarks:
158.	The <sub>l</sub>	
	The p	projection line of the femoral artery (Ken's line) corresponds to the landmarks:  the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis
1)		projection line of the femoral artery (Ken's line) corresponds to the landmarks:
1)	<b>Ø</b>	projection line of the femoral artery (Ken's line) corresponds to the landmarks:  the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis
1) 2) 3)	<b>Ø</b>	projection line of the femoral artery (Ken's line) corresponds to the landmarks:  the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis  in the middle of the inguinal ligament
158. 1) 2) 3) 4)	<b>⊗</b>	the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis in the middle of the inguinal ligament to the pubic tubercle
1) 2) 3) 4)		the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis in the middle of the inguinal ligament to the pubic tubercle tuberculum adductorium of the medial epicondyle of the femur
1) 2) 3) 4) 5)		the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis in the middle of the inguinal ligament to the pubic tubercle tuberculum adductorium of the medial epicondyle of the femur of the tibial tuberosity
1) 2) 3) 4)		the point in the middle of the distance between the anterior superior iliac spine and the pubic symphysis in the middle of the inguinal ligament to the pubic tubercle tuberculum adductorium of the medial epicondyle of the femur of the tibial tuberosity  position is given to the lower limb when determining the projection line a.femoralis?

4)		slightly bent at the knee joint
5)	<b>②</b>	turned along the axis (rotated) to the lateral side
160.	In the	e upper medial part of the anterior femoral region, the surface plate of the broad fascia is characterized
by he	eterog	eneity of structure:
1)	<b>~</b>	in the lateral part covering a.femoralis, dense, forms a crescent-shaped edge
2)		throughout the department of the same thickness and density
3)	<b>~</b>	in the medial part, anteriorly from v.femoralis, loosened (latticed fascia)
4)		has an aponeurotic structure
5)	<b>Ø</b>	in the medial part forms hiatus saphenus for the large saphenous vein of the leg
161.	The r	nedial bed of the thigh contains:
1)	<b>~</b>	an obturator neurovascular bundle
2)	<b>Ø</b>	m. gracilis
3)		m. iliopsoas
4)	<b>Ø</b>	m. pectineus
5)	<b>Ø</b>	adductor muscles (long, short, large)
162.	In the	e posterior bed of the thigh are located:
1)	$\checkmark$	sciatic nerve
2)	<b>~</b>	biceps femoral muscle
3)		medial broad femoral muscle
4)	$\checkmark$	m. semitendinosus

5)	<b>V</b>	semimembranosus muscle
163.	The a	nterior thigh bed contains:
1)	<b>V</b>	m. sartorius
2)	<b>~</b>	quadriceps muscle (rectus muscle, lateral, medial and intermediate broad thigh muscles)
3)	<b>~</b>	femoral neurovascular bundle
4)		comb muscle
5)		obturator neurovascular bundle
164.	The v	valls of canalis femoralis (formed with a femoral hernia) are represented by:
1)	$\checkmark$	anterior- inguinal ligament with the upper horn of margo falciformis fused to it of the wide fascia of the thigh
2)	<b>Ø</b>	posterior- deep plate of the fascia lata covering the m. pectineus
3)	<b>Ø</b>	lateral- fascial sheath v. femoralis
4)		anterior- fascial sheath of the ilio-lumbar muscle
5)		medial- comb ligament
165.	Cana	lis adductorius (s.canalis femoropopliteus) is formed by:
1)	<b>②</b>	m. adductor magnus (medially)
2)	<b>②</b>	m. vastus medialis (laterally)
3)	<b>②</b>	lamina vastoadductoria (front)
4)		m.sartorius (laterally)
5)		m.pectineus (medially)

166.	Thro	igh the upper opening, the adductor canal is entered by:
1)		the obturator nerve
2)	<b>Ø</b>	femoral artery
3)		deep femoral artery
4)	<b>⊘</b>	femoral vein
5)	<b>~</b>	n. saphenous (branch N. femoralis)
167.	Thro	igh the anterior opening of the adductor canal exit:
1)		femoral nerve
2)	<b>Ø</b>	n. saphenous
3)		large subcutaneous vein of the leg
4)	V	descending artery of the knee
5)		deep vein of the thigh
		igh the lower opening of the canalis adductorius, bounded by the tendon of the great adductor muscle nur, the following enter the fossa poplitea:
1)		the third perforating artery
2)		n. saphenous
3)	<b>②</b>	femoral artery
4)		medial artery encircling the femur
5)	<b>Ø</b>	femoral vein
169.	Into 1	he medial bed of the thigh through the occlusal canal enter:

1)		n.genitofemoralis
2)		inferior epigastric artery
3)	$\checkmark$	obturator artery
4)		obturator nerve
5)	<b>V</b>	obturator vein
170.	The s	uperficial and deep inguinal lymph nodes receive lymph from:
1)	<b>~</b>	the perineum
2)	<b>~</b>	area of the anterior abdominal wall (down from the navel)
3)	$\checkmark$	of the lumbar and gluteal regions
4)	$\checkmark$	of the lower extremity
5)		of the colon
171.	Dama	age to aa. perforantes when accessing the femur is complicated by significant bleeding, since:
<b>171.</b> 1)	Dama	age to aa. perforantes when accessing the femur is complicated by significant bleeding, since:  the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus
1)	<b>Ø</b>	the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus
1)	<ul><li>✓</li></ul>	the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes
1) 2) 3)	<ul><li>✓</li><li>✓</li></ul>	the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes the arteries have multiple anastomoses
1) 2) 3) 4)	<ul><li>✓</li><li>✓</li></ul>	the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes the arteries have multiple anastomoses the search for the source of bleeding in the muscle mass is difficult
1) 2) 3) 4) 5)		the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes the arteries have multiple anastomoses the search for the source of bleeding in the muscle mass is difficult
1) 2) 3) 4) 5)		the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes the arteries have multiple anastomoses the search for the source of bleeding in the muscle mass is difficult aa.perforantes - arteries from the pool a. profunda femoris
1) 2) 3) 4) 5)	<ul><li>✓</li><li>✓</li><li>✓</li><li>Purul</li></ul>	the walls of the arteries are fixed in the openings of the tendons m.adductor brevis et m.adductor magnus the lumen of the artery gapes the arteries have multiple anastomoses the search for the source of bleeding in the muscle mass is difficult aa.perforantes - arteries from the pool a. profunda femoris  ent congestion with phlegmon of the posterior thigh area spreads to:

3)		gluteal region
4)		sciatic-anal fossa
5)		inguinal region
173.	In ch	ildren under 3 years of age, the projection line of the femoral artery as the femur lengthens:
1)	<b>~</b>	shifts to the medial side
2)		corresponds to the Ken line
3)	$\checkmark$	the artery approaches the medial edge femur
4)		corresponds to the Roser-Nelaton line
5)		occupies a stable position despite the increase in bone length
174.	Feati	ures of acetabulum in newborns:
1)	<b>②</b>	oval-shaped
2)	<b>V</b>	shallow (most of the femur head is located outside the acetabulum)
3)		acetabulum is the same as in adults
4)	<b>V</b>	the acetabulum deepens with the development and modulation of the femur head
5)	<b>~</b>	cartilaginous lip is low
175.	In inf	ants, the acetabulum on the side of congenital hip dislocation is characterized by the fact that it is:
1)	<b>Ø</b>	not deep due to the underdevelopment of all components of the joint, especially its upper edge
2)		the structure of the acetabulum does not change with hip dislocation
3)	<b>Ø</b>	flat
4)	<b>Ø</b>	triangular shape

5)	<b>V</b>	the arch is not expressed
176.	With	congenital hip dislocation, pathological changes in the hip joint develop with age:
1)	<b>⊘</b>	at the position of the femur head on the ilium, a "new acetabulum"
2)	<b>~</b>	is formed by a sliding furrow, a "new depression" connects to the true
3)	<b>⊘</b>	acetabulum the sliding furrow is covered with cartilage
4)		the femur head does not undergo changes
5)	<b>Ø</b>	the femur head is underdeveloped, with uneven contours, ovoid, cone-shaped, later mushroom-shaped
177.	Femu	r neck with congenital hip dislocation undergoes pathological changes:
1)	<b>Ø</b>	shortens
2)		does not undergo changes
3)	<b>V</b>	bends
4)	<b>V</b>	turns anteriorly, or
5)		thickens posteriorly
178.	The b	oundaries of the anterior knee area correspond to:
1)		vertical lines running along the epicondyle of the femur (lateral)
2)	<b>~</b>	horizontal line drawn 5-6 cm upward from the base patellae (upper)
3)	<b>~</b>	horizontal line at the level of the tibial tuberosity
4)	<b>~</b>	vertical lines passing through the posterior edges of the medial and lateral condyles of the femur (lateral)
5)		to the level of the base of the patella (upper)

1)	<b>⊘</b>	density
2)	<b>⊘</b>	slight displacement along
3)	<b>✓</b>	the periphery of the patella contains hair
4)		the skin is firmly fixed to the patella
5)		between the plates of the superficial fascia and contains subcutaneous pre- and subcutaneous synovial bags
180.	The p	proper fascia of the regio genus anterior is not a continuation:
1)	<b>~</b>	fascia glutea
2)	<b>~</b>	tractus iliotibialis
3)		fascia lata
4)	V	arcus ileopectineus
5)		of the lateral intermuscular fascial septum of the thigh
181.	Syno	vial bursas that do not communicate with the cavity of the knee joint include:
1)		bursa suprapatellaris
2)	<b>~</b>	bursa prepatellaris subcutanea
3)	V	bursa subcutanea tuberositas tibiae
4)	V	bursa prepatellaris subfascialis
5)	<b>Ø</b>	bursa prepatellaris subtendinea
182.	The v	valls of the suprapatellar synovial bursa are formed by:
1)	<b>~</b>	the posterior surface of the quadriceps tendon (anterior)

179. The skin of the anterior knee area is characterized by:

2)		patella (anterior)
3)		patellar ligament (anterior)
4)		the anterior surface of the femur, separated from the synovial membrane by a layer of loose connective tissue (posterior)
5)		fascia lata
183.	Fasci	al septa of the proper fascia of the posterior knee region (fascia poplitea) are attached to:
1)		tibial tuberosity
2)	<b>⊘</b>	medial labrum linea aspera
3)		epicondylus lateralis
4)	<b>~</b>	lateral labrum rough line
5)		epicondylus medialis
184.	The f	ascia propria of the regio genus posterior and its septa form vaginas:
<b>184.</b>	The f	ascia propria of the regio genus posterior and its septa form vaginas:  tendons m.biceps femoris
1)	<b>⊘</b>	tendons m.biceps femoris
1)	<b>⊘</b>	tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)
1) 2) 3)	<ul><li>✓</li><li>✓</li></ul>	tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)  tendons of the m.rectus femoris
1) 2) 3) 4)		tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)  tendons of the m.rectus femoris  tendons of the semi-tendon muscle (m.semitendinosus)
1) 2) 3) 4) 5)		tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)  tendons of the m.rectus femoris  tendons of the semi-tendon muscle (m.semitendinosus)
1) 2) 3) 4) 5)		tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)  tendons of the m.rectus femoris  tendons of the semi-tendon muscle (m.semitendinosus)  in the lower half of the region - v.saphena parva canal (N.I.Pirogov canal)
1) 2) 3) 4) 5)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	tendons m.biceps femoris  of the neurovascular bundle of the popliteal fossa (n.tibialis, a. et v. poplitea)  tendons of the m.rectus femoris  tendons of the semi-tendon muscle (m.semitendinosus)  in the lower half of the region - v.saphena parva canal (N.I.Pirogov canal)

3)		inferior medial- medial head of the calf muscle
4)		of the inferior medial- M.soleus
5)		inferior lateral- lateral head of M.gastrocnemius
186.	The b	pottom of fossa poplitea is made up of:
1)		tuberositas glutea femur
2)	<b>✓</b>	facies poplitea femur
3)	<b>~</b>	posterior part of the capsule of the knee joint, strengthened by oblique and arched popliteal ligaments
4)	$\checkmark$	popliteal muscle
5)		flounder muscle
187.	The ι	upper medial part of the popliteal fossa (Joubert's fossa) is limited by:
1)	$\checkmark$	the tendon of the large adductor muscle (in front)
2)		the tendon of the long adductor muscle (in front)
3)		the tendons of the semi-tendon, semi-membranous and thin muscles (behind)
4)		the edge of the tailor's muscle (above)
5)	<b>~</b>	the medial head of the calf muscle and the medial condyle of the femur (below)
188.	A her	natoma from the popliteal fossa along the course of the neurovascular bundles can spread to:
1)		into the canal of N.I. Pirogov (according to v.saphena parva)
2)	<b>Ø</b>	the posterior region of the thigh (according to n.ischiadicus) the
3)	<b>Ø</b>	posterior region of the shin (in canalis cruropopliteus according to N.tibialis and A. et v.poplitea)
4)	<b>V</b>	into the anterior region of the thigh (according to A. et v.femoralis)
		into the anterior region of the thigh (according to A. et v.iemoralis)

5)		into the cavity of the knee joint (along the medial inferior knee artery)
	The k	lood vessels and nerves of the popliteal fossa are located as follows (when the patient is on his
1)	<b>✓</b>	n.tibialis - superficially, along the middle vertical line fossa poplitea
2)	<b>~</b>	v.poplitea- medially and deeper n.tibialis
3)	$\checkmark$	a.poplitea- medially and deeper than the vein
4)		of the same name, the cutaneous nerve of the calf at the level of the beginning of the lower tendon of the calf muscle penetrates its own the fascia of the tibia
5)	<b>②</b>	is the common fibular nerve – along the medial surface of the tendon m.biceps femoris
		entering the canalis cruropopliteus at the level of the lower edge of the popliteal muscle, the arteries a.poplitea:
1)		lateral upper knee
2)	<b>~</b>	anterior tibial
3)		medial upper knee
4)		middle knee
5)	<b>⊘</b>	posterior tibial
191.	The I	mph nodes of the popliteal fossa, as the cause of adenophlegmon, are located as follows:
1)	<b>②</b>	superficial- under the popliteal fascia along v.saphena parva
2)	<b>~</b>	medium- accompany the popliteal artery and vein
3)		superficial- accompany v.saphena parva et n.cutaneus surae medialis in the N.I. Pirogov canal
4)	<b>Ø</b>	deep- located on the capsule of the knee joint

5)		medium- they are located along the course of N.peroneus communis
192.	Artic	ular cavity articulatio genus corresponds to:
1)	<b>V</b>	transverse grooves on the sides of the patellar ligament (with a bent shin)
2)	<b>②</b>	to the upper edges of the tibial condyles
3)		of a horizontal line drawn through the femur
4)	<b>~</b>	epicondyles to the gap between the epicondyles of the femur and tibia
5)	<b>~</b>	of the transverse skin fold of the posterior knee area (with a bent shin)
193.	The a	rticulatio genus intraarticular ligaments include:
1)	<b>~</b>	anterior cruciate
2)		tibial collateral
3)	<b>~</b>	transverse ligament of the knee
4)		lateral supporting ligament of the patella
5)	<b>⊘</b>	posterior cruciate
194.	In the	e anterior part, the knee joint is strengthened by the following extra-articular ligaments:
1)	<b>⊘</b>	patellar ligament
2)	<b>⊘</b>	medial supporting ligament patellar
3)		arched popliteal
4)	<b>⊘</b>	lateral supporting ligament patellar
5)		oblique popliteal

195.	The e	extra-articular ligaments of the posterior knee joint include:
1)		posterior cruciate
2)	<b>~</b>	oblique popliteal
3)		fibular collateral
4)	<b>~</b>	arcuate
5)		tibial collateral
196.	The I	nedial and lateral menisci are attached to:
1)	<b>~</b>	the intercondylar elevation of the tibia
2)	$\checkmark$	transverse ligament of the knee
3)		ligament of the patella
4)		patella
5)		anterior intercondylar field
197.	With	purulent gonitis, the cavity of the knee joint is divided into sections: the
1)		upper
2)	<b>V</b>	anterior
3)		lower
4)	<b>~</b>	posterior
5)		cavity of the joint does not separate
198.	The s	symptom of a "drawer" - displacement of the shin anteriorly when trying to sit down indicates:
1)	<b>②</b>	fracture of the medial condyle of the tibia

2)		rupture of the posterior cruciate ligament
3)		hemarthrosis
4)	$\checkmark$	rupture of the ligamentum cruciatum anterius
5)		valgus deformity in the knee joint
		rticular phlegmons, as a complication of the accumulation of pus in the posterior recesses (inversions) ulatio genus cavity, develop as a result of their communication with:
1)	<b>~</b>	bursa m.poplitei
2)		bursa m.semimembranosi
3)	$\checkmark$	bursa capitis medialis m.gastrocnemii
4)		bursa suprapatellaris
5)		deep pre-knee bursa
200.	The a	interior fascial bed of the tibia contains:
1)	<b>~</b>	m.tibialis anterior(medially)
2)	$\checkmark$	m.extensor hallucis longus (from the level of the middle third of the fibula)
3)	$\checkmark$	long extensor II-V toes
4)		a.fibularis [s.peronea] with two veins of the same
5)		name anterior tibial artery with two veins of the same name and n.fibularis profundus
201.	The r	eference points of the projection of the anterior tibial artery are the middle of the distance between:
1)		tuberositas tibiae
2)		margo anterior tibiae

3)		fibular head
4)	<b>~</b>	medial ankle
5)	<b>⊘</b>	lateral ankle
	A cor	nplete anatomical rupture of the deep fibular nerve is accompanied by motor disorders in the form of a
1)	<b>⊘</b>	violation of foot supination
2)		violation of shin flexion in the knee joint
3)	<b>~</b>	inability to unbend the foot in the ankle joint
4)	<b>~</b>	inability to unbend the thumb of the foot
	<b>~</b>	inability to unbend the II-V fingers in the metatarsophalangeal joints
	The ¡	posterior wall of canalis cruropopliteus is not formed by muscles:
203.	The p	posterior wall of canalis cruropopliteus is not formed by muscles:  gastrocnemius
<b>203.</b>		
<b>203.</b> 1) 2)		gastrocnemius
203. 1) 2)	<b>⊘</b>	gastrocnemius soleus
203. 1) 2) 3)		gastrocnemius soleus m. tibialis posterior
203. 1) 2) 3) 4)		gastrocnemius  soleus  m. tibialis posterior  m. flexor hallucis longus
203. 1) 2) 3) 4)		gastrocnemius  soleus  m. tibialis posterior  m. flexor hallucis longus
203. 1) 2) 3) 4) 5)		gastrocnemius soleus m. tibialis posterior m. flexor hallucis longus m. fibularis longus
203. 1) 2) 3) 4)	✓ ✓ ✓ ✓ ✓ The i	gastrocnemius  soleus  m. tibialis posterior  m. flexor hallucis longus  m. fibularis longus  muscles that make up the walls of the canalis cruropopliteus:

4)		m. flexor digitorum longus (medial)
5)	<b>~</b>	m. soleus (posterior)
205.	The v	ragina of the neurovascular bundle of the posterior region of the lower leg is formed by:
1)	<b>⊘</b>	the plate of the deep leaf of the fascia of the lower leg, covering the anterior surface of the m.soleus
2)		interosseous membrane
3)		posterior intermuscular fascial septum
4)		anterior intermuscular fascial septum
5)	<b>~</b>	plate of the deep leaf of the fascia of the lower leg, covering the posterior surface of the deep flexors
206.	Artic	ulatio talocruralis form: the
1)	<b>~</b>	lower articular surface of tibiae
2)	$\checkmark$	the articular surface of the medial ankle
3)		the articular surfaces of the lower
4)	$\checkmark$	tibial joint, the articular surface of the lateral ankle
5)	<b>~</b>	the block and the ankle surfaces of the talus
207.	Ligar	nentum mediale (s.deltoideum) of the ankle joint consists of ligaments:
1)	<b>~</b>	tibial-navicular
2)	<b>~</b>	tibial-calcaneal
3)		calcaneal-fibular
4)	<b>~</b>	anterior tibial-talus
5)	<b>~</b>	posterior tibial-talus

208.	The I	andmarks for the construction of the pulse point a.tibialis posterior are:
1)		lateral ankle
2)	<b>~</b>	calcaneal (Achilles) tendon
3)		navicular bone
4)		calcaneal tubercle
5)	<b>Ø</b>	medial ankle
209.	The r	nain anatomical components of the musculoskeletal "pump" of the lower limb are:
1)	<b>~</b>	muscles and their fascial cases
2)	<b>②</b>	fascial cases of neurovascular bundles
3)		joint capsules
4)	$\checkmark$	valvular vein apparatus
5)	V	numerous anastomoses of superficial and deep veins through perforating veins
210. betw		oulse point a.dorsalis pedis is determined above the navicular bone in the middle of the distance
1)		calcaneus
2)	<b>~</b>	lateral ankle
3)		medial sphenoid bone
4)		middle II metatarsal
5)	<b>Ø</b>	medial ankle
211.	The c	analis calcaneus is a slit-like gap between:

1)		the muscle that drives the thumb of the foot
2)		the square muscle of the sole
3)	<b>~</b>	the calcaneus
4)		the worm-like muscles
5)	<b>Ø</b>	m. abducens hallucis
212.	The p	plantar canal passes into the deep part of the middle fascial bed between:
1)		the square muscle of the sole
2)	<b>~</b>	the tendons of the long flexor of the toes
3)		the muscle withdrawing the thumb of the foot
4)	$\checkmark$	the m. adductor hallucis
5)		with the short flexor of the thumb
		ildren, from the moment of transition to an upright position and walking, the following processes occur s of the foot:
1)	<b>~</b>	ossification develops
2)		
	$\checkmark$	articular surfaces are finally formed
3)		articular surfaces are finally formed  the line of the transverse joint of the tarsus remains almost straight
4)		
		the line of the transverse joint of the tarsus remains almost straight
4) 5) <b>214.</b>	✓ The p	the line of the transverse joint of the tarsus remains almost straight  ligaments and joint capsules
4) 5) <b>214.</b>	✓ The p	the line of the transverse joint of the tarsus remains almost straight  ligaments and joint capsules  develop, arches of the foot are formed  parts of the lig.bifurcatum - the "key" of the transverse joint of the tarsus (Chopar), the dissection of

2)		
3)		talus-navicular
4)	$\checkmark$	calcaneal-cuboid
5)		posterior talus-fibular
215.	The p	permanent points of support of the foot include:
1)	<b>~</b>	the head of the I metatarsal
2)		the block of the talus
3)		the tuberosity of the cuboid bone
4)	<b>~</b>	of the head of the V metatarsal
5)	$\checkmark$	the tuber calcaneus
	Percu	Itaneous puncture and catheterization of arteries and veins are used for the purpose of:
216.		
	Percu	ataneous puncture and catheterization of arteries and veins are used for the purpose of:  angio- and phlebography  of intensive infusion (catheter) therapy
<b>216.</b>	<b>⊘</b>	angio- and phlebography
<b>216.</b> 1) 2)	<ul><li>✓</li></ul>	angio- and phlebography  of intensive infusion (catheter) therapy
216. 1) 2) 3)	<ul><li>✓</li></ul>	angio- and phlebography  of intensive infusion (catheter) therapy  for endovascular
216. 1) 2) 3) 4)		angio- and phlebography  of intensive infusion (catheter) therapy  for endovascular  ligation of the main artery during
216. 1) 2) 3) 4)		angio- and phlebography  of intensive infusion (catheter) therapy  for endovascular  ligation of the main artery during  the removal of a part of the blood vessel for bypass surgery
216. 1) 2) 3) 4) 5)		angio- and phlebography  of intensive infusion (catheter) therapy  for endovascular  ligation of the main artery during  the removal of a part of the blood vessel for bypass surgery  tive angiography is the introduction of a radiopaque substance into a specific artery by:
216. 1) 2) 3) 4) 5) 217.	Select     ■	angio- and phlebography  of intensive infusion (catheter) therapy  for endovascular  ligation of the main artery during  the removal of a part of the blood vessel for bypass surgery  tive angiography is the introduction of a radiopaque substance into a specific artery by:  venesection (v. saphena magna)

4)		by puncture and catheterization of an accessible artery with a catheter at the mouth of the artery, blood supply to the organ (or part thereof)
5)		venipuncture (v.intermedia cubiti)
218.	Туре	s of selective angiography:
1)	$\checkmark$	coronary angiography
2)		translumbal aortography
3)	<b>②</b>	carotid angiography
4)	<b>~</b>	mesentericography
5)	<b>~</b>	renography
		ture and catheterization of a.femoralis according to the Seldinger method is performed after g the pulse at the point, with the following landmarks:
1)		the middle of the Ken line
2)	<b>~</b>	1 cm medially from the middle of the linea spinosymphisialis (inguinal ligament)
3)		2 cm down from the tuberculum pubicum
4)		3 cm down from spina iliaca anterior superior
5)	<b>~</b>	1 cm down from the middle of the line between the upper anterior iliac spine and the pubic symphysis
220.	Resto	oration of the physiological conditions of hemodynamics in the main artery is achieved by the use of:
1)		embolization
2)		perforation of the artery wall
3)	<b>~</b>	embolectomy
4)	<b>~</b>	bypass

221.	For o	pen surgical interventions on the arteries, surgical approaches are used:
1)		transmuscular
2)	<b>~</b>	direct, projection (along the projection line)
3)		intermuscular
4)	<b>✓</b>	indirect, non-projection (1-2 cm medially or laterally from the projection line)
5)	<b>✓</b>	endosurgical (when taking the radial artery for coronary artery bypass grafting)
222.	Ву рг	ojection operative access, the arteries are exposed:
1)		a. brachialis
2)	<b>~</b>	radial
3)		femoral (in the femoral triangle)
4)	<b>~</b>	ulnar
5)	<b>~</b>	anterior tibial
223.	Out-o	of-projection access is used in operations on the arteries:
1)	<b>V</b>	axillary
2)	<b>~</b>	a. femoralis (in the femoral triangle)
3)		radial
4)		ulnar
5)	<b>⊘</b>	brachial

5)

stenting

224.	Adva	ntages of non-projected access to the components of the neurovascular bundle:
1)	$\checkmark$	the direct risk of damage to an artery, vein or nerve is reduced
2)	$\checkmark$	The neurovascular bundle is separated from the skin scar by a muscle
3)		Non-projected access has no advantages
4)	<b>~</b>	the nerve does not grow into the scar
5)		the access accompanying the artery is accompanied through the posterior wall of the fascial sheath of the muscle
		ure needles (Deschamps, Cooper) and dissectors in operations on organs of the neurovascular bundle or the purpose of:
1)		displacement of the nerve from the artery and vein
2)	<b>~</b>	isolation of the corresponding organ of the neurovascular bundle
3)		compression of the vein accompanying
4)	$\checkmark$	the artery ligature under the artery, vein, nerve
5)		knot tying apodactyly
226.	The	nain methods of ligation of a blood vessel include:
1)		applying an Esmarch tourniquet
2)		using a Blalock terminal
3)	$\checkmark$	ligation of a bleeding vessel in a wound
4)		using a turnstile
5)	<b>~</b>	ligation of a blood vessel throughout
227	Anas	tomoses contribute to the restoration of blood circulation during ligation of the main artery

1)		intrasystemic (intraorgan) – anastomoses of branches of one main vessel
2)	<b>~</b>	intersystemic (extraorgan) – anastomoses of various main arteries
3)	<b>~</b>	arterial circle of the large brain
4)		splenorenal in the treatment of portal hypertension
5)		femoral-tibial shunt with occlusion of the femoral artery during canalis adductorius
228.	Vasc	ular suture requirements:
1)	<b>~</b>	tightness
2)	<b>~</b>	hemostasis
3)		elasticity
4)	<b>~</b>	thrombogenicity
5)	<b>Ø</b>	scar stenosis is not allowed
220	<b>T</b> l	
229.	ine e	ends of the artery after their mobilization are brought closer due to:
	ine e	the use of a fascial coupling
1)		
1)		the use of a fascial coupling
1)		the use of a fascial coupling  of vascular clamps (or Block terminals)
1) 2) 3)		the use of a fascial coupling  of vascular clamps (or Block terminals)  the natural elasticity of the walls
1) 2) 3) 4) 5)		the use of a fascial coupling  of vascular clamps (or Block terminals)  the natural elasticity of the walls  uniform stretching of the walls with sutures
1) 2) 3) 4)		the use of a fascial coupling of vascular clamps (or Block terminals) the natural elasticity of the walls uniform stretching of the walls with sutures the use of a patch made of synthetic material (Teflon)
1) 2) 3) 4) 5)	Over	the use of a fascial coupling  of vascular clamps (or Block terminals)  the natural elasticity of the walls  uniform stretching of the walls with sutures  the use of a patch made of synthetic material (Teflon)  growth of the walls of the ends of the artery is dangerous for complications:

4) 5) 231. 1) 2) 3) 4)	The c	thrombosis  necrosis of the wall in the early postoperative period  cause of thrombosis of the vascular suture zone are:  detached and unfixed intima  surgical access to the vessel was incorrectly selected  the matching of the same-named shells of the ends of the vessel was not ensured  the outer shell was screwed into the lumen of the vessel  excessive trauma to the vessel wall during vasography
<b>231.</b> 1) 2) 3)	The c	detached and unfixed intima  surgical access to the vessel was incorrectly selected  the matching of the same-named shells of the ends of the vessel was not ensured  the outer shell was screwed into the lumen of the vessel
1) 2) 3)		detached and unfixed intima  surgical access to the vessel was incorrectly selected  the matching of the same-named shells of the ends of the vessel was not ensured  the outer shell was screwed into the lumen of the vessel
2) 3) 4)	<ul><li>✓</li><li>✓</li></ul>	surgical access to the vessel was incorrectly selected  the matching of the same-named shells of the ends of the vessel was not ensured  the outer shell was screwed into the lumen of the vessel
3)	<ul><li>✓</li></ul>	the matching of the same-named shells of the ends of the vessel was not ensured the outer shell was screwed into the lumen of the vessel
4)	<b>②</b>	the outer shell was screwed into the lumen of the vessel
5)	<b>~</b>	excessive trauma to the vessel wall during vasography
		s of vascular suture in relation to the artery wall (or vein):
1)		lateral
2)		eversion
3)	<b>~</b>	linear
4)		mattress
5)	<b>~</b>	circular (circular)
		suture of a blood vessel can be performed in the following way:
233.	The s	suture of a blood vessel can be performed in the following way:
<b>233.</b> 1)	The s	suture of a blood vessel can be performed in the following way:  adhesive
3)		linear

5)		biological glue (applied to the outer shell)
6)		using rings (D. A. Donetskoy, Nakayama)
234.	The o	diameter of the artery and the properties of its wall determine the choice of:
1)		surgical access to the vessel
2)	<b>~</b>	of the diameter of the suture material (monofilament non-absorbable polished synthetic thread)
3)	<b>~</b>	needle (round atraumatic)
4)	$\checkmark$	a set of instruments for macro- and microsurgical operations
5)		the position of the patient on the operating table
235.	Tight	ness and hemostasis of the vascular suture are achieved
1)		by connecting the ends of the vessel with inner shells
2)	<b>~</b>	uniformity of stitches (seam pitch 1-2 mm)
3)	$\checkmark$	the same distance of needle injection and puncture from the edge of the vessel (1 mm)
4)	<b>②</b>	in conditions of pathologically altered vascular wall and suture of large arteries, the suture pitch and the distance of needle injection and puncture from the edge of the vessel are increased
5)		by excision of the ends of the vessel with eye scissors, or with a safety razor blade in a hemostatic clamp
236.	A no	dular vascular suture in children is necessary in order to:
	A noc	dular vascular suture in children is necessary in order to:  ensure further growth of the artery, the organ of the tube, in length and diameter
1)		
236. 1) 2)	<b>②</b>	ensure further growth of the artery, the organ of the tube, in length and diameter

5)		create conditions for intraoperative quality control of the vascular suture
237.	A cor	nplete anatomical rupture of the nerve trunk is accompanied by the following symptoms:
1)		Motor disorders. The position of the limb segment is determined by antagonist muscles that have retained innervation
2)	<b>Ø</b>	violation of skin sensitivity in the territory of the distribution of the cutaneous branches of the nerve
3)	<b>Ø</b>	vasomotor disorders followed by soft tissue atrophy
4)	<b>~</b>	nerve ingrowth into scars (callus) with the development of pain syndrome
5)		formation of regenerative neuroma at the central end of the nerve
238.	The r	nain purpose of surgical intervention in case of nerve rupture:
1)	<b>Ø</b>	is to bring the ends of the nerve
2)		closer together to ensure hemostasis in the cross section of the nerve
3)		mobilization of nerve ends
4)	<b>⊘</b>	creation of conditions for regeneration
5)		careful suturing of the fascial sheath of the neurovascular bundle
239.	After	the initial surgical treatment of the wound, operations on nerve trunks are performed after 4-6 weeks,
beca	use:	
1)	<b>~</b>	the wound heals
2)	<b>~</b>	under the influence of drug therapy, the scars undergo resorption
3)	<b>~</b>	the risk of exacerbation of a "dormant" infection (microflora in the scar)
4)		is reduced, the best cosmetic effect
5)		is ensured, patients concentrate in specialized surgical departments

240.	The I	nerve is isolated from the scar (neurolysis) by non-projection access, which allows:
1)	<b>~</b>	to expose the nerve in unchanged topographic and anatomical conditions
2)	<b>~</b>	to 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)	$\checkmark$	to facilitate the separation of the nerve from the central and peripheral departments into the scar area
5)	<b>~</b>	to avoid the formation of adhesions between nerve sheaths and soft tissues
241.	Acco	rding to the timing of neuroraphy, there are:
1)	<b>~</b>	primary nerve suture (during primary surgical wound treatment)
2)		during primary surgical wound treatment, nerve blockade is limited
3)	<b>⊘</b>	to early delayed nerve suture (3-4 weeks after injury, if there were no conditions for primary suture during primary wound treatment)
4)		primary nerve suture is not used
5)		early delayed nerve suture does not provide satisfactory functional result
242.	Ther	e are features in the technique of neuroraphy:
1)	<b>~</b>	it is advisable to capture the external epineurium in the suture
2)	<b>~</b>	the ends of the nerve are carefully matched (without twisting) to create conditions for selective regeneration of the axons of its central end
3)	<b>~</b>	a 1 mm diastasis is left between the ends of the nerve to avoid compression of its bundles
4)	<b>~</b>	nerve tension at the suture site is unacceptable
5)		features of the technique of neuroraphy do not matter in achieving functional results
243.	In re	lation to the membranes, the following types of nerve suture are distinguished:

1)		epineural
2)	<b>~</b>	perineural
3)		through all layers
4)		of the nodular nerve
5)		"U"-shaped
244.	The c	onvergence of the ends of the nerve for their connection is achieved by the following techniques:
1)	<b>~</b>	flexion (or extension) of the limb segment
2)		by additional mobilization of the ends
3)		by fixing the ends of the nerve with strips of glove rubber
4)	$\checkmark$	by shortening the trajectory of the nerve, moving it from one bed to another
5)		by strengthening the suture zone with epineural flaps (plates)
		and the same and the same and the
245.	Rupti	ure of nerve sutures is prevented:
<b>245.</b> 1)	Rupti	by applying a plaster splint to the operated limb for 3-4 weeks
1)	<b>₹</b>	by applying a plaster splint to the operated limb for 3-4 weeks
1)		by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)
1) 2) 3)		by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)  using "U"-shaped sutures
1) 2) 3) 4)		by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)  using "U"-shaped sutures  strengthening the nerve suture with a coupling from the epineurium of the nerve ends
1) 2) 3) 4)		by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)  using "U"-shaped sutures  strengthening the nerve suture with a coupling from the epineurium of the nerve ends
1) 2) 3) 4) 5)		by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)  using "U"-shaped sutures  strengthening the nerve suture with a coupling from the epineurium of the nerve ends  using a mechanical nerve suture
1) 2) 3) 4) 5)	✓ ✓ ✓ Straig	by applying a plaster splint to the operated limb for 3-4 weeks  by wrapping the nerve suture area with a fibrin film (or a canned amniotic membrane)  using "U"-shaped sutures  strengthening the nerve suture with a coupling from the epineurium of the nerve ends  using a mechanical nerve suture

3)		silk
4)		catgut
5)	<b>⊘</b>	metal wire (tantalum) are used to suture the tendon
247.	Requ	uirements for the suture of the tendon:
1)	<b>⊘</b>	must ensure the strength of the connection of the ends of the tendon
2)	<b>~</b>	compression of the blood vessels of the tendon
3)		must be hemostatic
4)	$\checkmark$	must not allow the tendon
5)	$\checkmark$	to become loose, must create a smooth surface for the tendon to slide in the synovial vagina
<b>248.</b> 1)	Tech	free tendon
2)		free tendon  plastering the imposition of additional "U"-shaped sutures
3)		tendon plate with a tractus iliotibialis flap
4)	<b>⊘</b>	immobilization of the limb with a plaster splint
5)		capturing a larger volume of tendon into the seam
249.	The a	adaptive suture of the flexor tendon of the fingers of the hand consists of:
1)	<b>~</b>	a nodular suture connecting the ends of the tendon
2)		
		suture fixing the distal end of the tendon
3)		suture fixing the distal end of the tendon  of the mattress suture
3) 4)		

5)		of a continuous wound suture
250.	The I	pasic rules for opening purulent foci:
1)	<b>~</b>	opening the purulent cavity in the zone of greatest fluctuation
2)	<b>~</b>	in order to avoid infection of the adjacent bed, it is unacceptable to dissect the intermuscular fascial septa
3)	$\checkmark$	to ensure the completeness of the evacuation of pus and the removal of necrotic tissues
4)	<b>~</b>	to treat the purulent cavity with an antiseptic solution and drain it
5)		in layers to suture the wound
251.	Whe	n opening a purulent lesion, the incision of soft tissues should be:
1)	$\checkmark$	the shortest way to the purulent focus
2)	<b>~</b>	outside the projection of the neurovascular bundle
3)	<b>~</b>	is to ensure the completeness of the examination of the purulent cavity
4)		if necessary, combine with the contraperture to
5)	<b>~</b>	create a free outflow of pus
252.	A coi	ntraperture (additional incision(s)) away from the main one is formed in order to:
1)	<b>~</b>	complete the revision of the purulent cavity (are there pockets and foci of necrotic tissues?)
2)	<b>~</b>	evacuation of pus when the main incision does not create conditions for adequate drainage of the purulent cavity
3)	<b>~</b>	using a flow-washing drainage system
4)	<b>V</b>	for visual monitoring of the healing processes

skin of the palm

5)		of laser treatment of the purulent cavity
253.	Oper	ations for purulent diseases of the fingers and hand are performed using:
1)	<b>~</b>	conduction anesthesia of the own finger nerves at the base of the finger (A.I. Lukashevich, Oberst)
2)	<b>~</b>	anesthesia
3)		of spinal anesthesia
4)	<b>~</b>	blockade of N. medianus, N. ulnaris and the superficial branch of N. radialis in the wrist
5)	<b>⊘</b>	area conduction anesthesia of common finger nerves at the level of the horizontal line from the rear of the metacarpophalangeal joint of the I finger to the medial edge of the metacarpus (Braun, E.V. Usoltseva)
254.	Exsai	nguination of the surgical area by applying a tourniquet for panaritia and tendovaginitis is due to:
1)	<b>V</b>	the need for visual identification of foci of tissue necrosis
2)		the choice of a method for radical removal of necrotized tissues
3)		a decrease in blood loss
4)	<b>②</b>	during necrectomy, to preserve neurovascular bundles, tendons, fascial septa
5)		to create a "depot" of anesthetic solution
		bcutaneous panaritisation of the palmar surface of the distal phalanx of the finger, the following e used:
1)	<b>V</b>	"club-shaped" on the anterolateral surface
2)	<b>Ø</b>	linear on the anterolateral surface
3)	<b>Ø</b>	various combinations of "club-shaped" and linear incisions (Zegesser)
4)		through the nail plate
5)		along the midline of the palmar surface of the finger with continuation to the interphalangeal joint

1)	<b>~</b>	incisions (1-1.5 cm) along the lateral edges of the nail plate in the proximal direction
2)	<b>~</b>	of detachment of the skin flap to the base of the phalanx and excision of the pus-detached part of the nail plate
3)		scraping of granulations is contraindicated
4)	V	removal of necrotic tissues and granulations
5)	<b>~</b>	a strip of glove rubber is placed under the flap and an aseptic bandage is applied
257.	In ca	se of a callous abscess after excision of the exfoliated epidermis, make sure that there is no
1)		purulent fistula on the back of the hand
2)	<b>~</b>	commissural phlegmon
3)	<b>~</b>	of a subcutaneous abscess within the boundaries of the excised epidermis
4)		phlegmons of the middle fascial bed of the palm
5)		lymphadenitis of the apical axillary lymph nodes
258.	The r	nain local symptoms of tendovaginitis are:
1)	V	uniform swelling of the finger with the spread of edema to the back of the hand
2)	V	soreness along the entire length of the synovial vagina during palpation with a probe
3)	<b>✓</b>	severe pain that increases when the finger
4)		is extended radiating pain into the deltoid region
5)	<b>Ø</b>	the finger is fixed in the position of slight flexion
259.	Acco	rding to the classical Klapp method, in case of tendovaginitis of the II-IV fingers of the hand, incisions
are m	nade:	

256. Surgical interventions for paronychia (by Canavel) consists of stages:

1)		on the back of the interdigital
2)		spaces on the anterolateral surfaces of the distal phalanx
3)	<b>~</b>	on the anterolateral surfaces of the middle phalanx
4)	<b>~</b>	on the anterolateral surfaces of the proximal phalanx
5)	<b>Ø</b>	in the distal part of the palm, respectively, the proximal end of the synovial vagina at the level of the heads of the metacarpal bones
260.	Open	ing of the synovial vagina in tendovaginitis provides:
1)	<b>~</b>	decompression of the tendon
2)	<b>~</b>	visualization of the tendon (are there any foci of necrosis?)
3)	$\checkmark$	elimination of intoxication of the body and
4)	<b>~</b>	relief of pain reduction of the risk of thrombosis of blood vessels mesenteric tendons
5)		insignificant amount of tendon injury
		se of tendovaginitis of the thumb and tendobursitis of the radial synovial sac with a breakthrough of pus ace of N.I. Pirogov, incisions are used:
1)	$\checkmark$	anterolateral – on the proximal phalanx
2)	<b>~</b>	an incision 1-2 cm laterally from the skin fold thenar, without entering the "forbidden" zone of the groove,
3)	<b>~</b>	two incisions in the lower third of the forearm
4)		the incision on the back of the first interdigital
5)		space is longitudinal – on the palm in the III interdigital space
		se of tendovaginitis of the little finger and tendobursitis of the ulnar synovial sac, complicated by the out on the space of N.I. Pirogov, incisions are used:

1)		anterolateral – on the middle phalanx of the little finger
2)	<b>~</b>	anterolateral – on the proximal phalanx
3)	<b>~</b>	along the lateral edge of the hypothenar (drainage of the ulnar synovial sac)
4)	<b>~</b>	two incisions in the lower third of the forearm (opening of the phlegmon of the space of N.I. Pirogov)
5)		on the back of the hand, respectively, to the IV interdigital space
263.	A str	ip of glove rubber for drainage of the synovial vagina from Klapp incisions is carried out between:
1)	<b>~</b>	the anterior wall of the fibrous vagina of the tendon with the outer (parietal) plate of the synovial layer
2)		the skin
3)		of the middle and proximal bone phalanges
4)	<b>~</b>	tendon with an inner (visceral) plate of the synovial layer
5)		palmar aponeurosis
		natomical basis for the development of the "U"-shaped (cross) phlegmon of the hand in tendovaginitis  V fingers of the hand is that:
1)	<b>②</b>	in 10% of cases, the radial and ulnar sacs communicate directly with each other
2)		in the sacs, the pressure changes when the I and V fingers of the hand
3)	<b>Ø</b>	are extended in the carpal canal, the sacs are closely adjacent to each other – due to the melting of the wall, pus breaks into the adjacent sac
4)		with the accumulation of exudate in the bags, the pressure increases sharply
5)		the pressure change in the radial and ulnar synovial sacs does not relate to the anatomical basis of the "U"-shaped phlegmon
265.	An in	tradermal abscess, as a result of infection of the corn, can be complicated by:

2)	<b>~</b>	the phlegmon of the interdigital
3)	<b>⊘</b>	space, the spread of the purulent process (through the commissural opening) into the middle bed of the palm
4)		the breakthrough of pus into the ulnar synovial sac
5)	<b>⊘</b>	the spread through the channels of the vermiform muscles to the back of the hand
266.	The s	cope of surgical intervention for suppurated calluses consists in:
1)	$\checkmark$	radical excision of the exfoliated epidermis (without overhanging edges)
2)	<b>~</b>	palpation of the area of the corn abscess with a button probe
3)		application of an incision of the interdigital fold from the palm side
4)	<b>~</b>	in the presence of a purulent cavity – open and drain the purulent focus in the subcutaneous base
4)		· p · · · · · · p · · · · · · · · · · ·
5)		dissect the interdigital fold from the back
5)		dissect the interdigital fold from the back stages of opening and drainage of the subfascial phlegmon of the thenor bed:
5) <b>267.</b>	The s	dissect the interdigital fold from the back
<b>267.</b> 1)	The s	dissect the interdigital fold from the back  tages of opening and drainage of the subfascial phlegmon of the thenor bed:  an incision (4-5 cm) parallel and laterally from the projection of the tendon m. flexor pollicis longus  to drain the gap between the muscle leading the thumb and the I dorsal interosseous muscle, make an incision
<b>267.</b> 1) 2)	The s	dissect the interdigital fold from the back  tages of opening and drainage of the subfascial phlegmon of the thenor bed:  an incision (4-5 cm) parallel and laterally from the projection of the tendon m. flexor pollicis longus  to drain the gap between the muscle leading the thumb and the I dorsal interosseous muscle, make an incision along the I interdigital fold
267. 1) 2) 3)	The s	dissect the interdigital fold from the back  tages of opening and drainage of the subfascial phlegmon of the thenor bed:  an incision (4-5 cm) parallel and laterally from the projection of the tendon m. flexor pollicis longus  to drain the gap between the muscle leading the thumb and the I dorsal interosseous muscle, make an incisior along the I interdigital fold  open the space of N.I. Pirogov
267. 1) 2) 3) 4) 5)	The s	dissect the interdigital fold from the back  stages of opening and drainage of the subfascial phlegmon of the thenor bed:  an incision (4-5 cm) parallel and laterally from the projection of the tendon m. flexor pollicis longus  to drain the gap between the muscle leading the thumb and the I dorsal interosseous muscle, make an incision along the I interdigital fold  open the space of N.I. Pirogov  strips of glove rubber are inserted into the incisions  and the fingers are fixed in a half-bent position with the thumb as far away as possible  shlegmon of the middle fascial bed of the palm according to V.F. Voino-Yasenetsky is opened in the
267. 1) 2) 3) 4) 5)	The s	dissect the interdigital fold from the back  stages of opening and drainage of the subfascial phlegmon of the thenor bed:  an incision (4-5 cm) parallel and laterally from the projection of the tendon m. flexor pollicis longus  to drain the gap between the muscle leading the thumb and the I dorsal interosseous muscle, make an incision along the I interdigital fold  open the space of N.I. Pirogov  strips of glove rubber are inserted into the incisions  and the fingers are fixed in a half-bent position with the thumb as far away as possible  shlegmon of the middle fascial bed of the palm according to V.F. Voino-Yasenetsky is opened in the

		projection of the tendon m.flexor pollicis longus and along the elevation of the little finger
2)	<b>~</b>	into the middle bed of the palm penetrate bluntly through the lateral and medial fascial septa
3)	$\checkmark$	strips of glove rubber are inserted into the subaponeurotic (through both incisions
4)		strips of glove rubber are inserted into the lateral bed of the palm
5)	$\checkmark$	of the hand and the fingers are fixed on the tire in a semi-bent position
269.	The s	scope of surgical intervention for subaponeurotic phlegmon of the back of the hand consists in:
1)	<b>~</b>	layered incision of the skin, subcutaneous base, superficial and own fascia over the II and IV metacarpal bones
2)		incision of soft tissues, respectively, III metacarpal space
3)	<b>⊘</b>	treatment of the purulent cavity with an antiseptic solution
4)	<b>~</b>	introduction of strips of glove rubber into both incisions
5)	<b>~</b>	immobilization of the hand in a semi-bent position
270.	The p	phlegmon of the upper third of the forearm bed is approached between:
<b>270.</b> 1)	The p	phlegmon of the upper third of the forearm bed is approached between:  the ulna
	The p	
1)	The p	the ulna
1)		the ulna and the ulnar flexor of the wrist
2)		the ulna and the ulnar flexor of the wrist m. flexor pollicis longus
1) 2) 3) 4)		the ulna and the ulnar flexor of the wrist m. flexor pollicis longus m. flexor carpi radialis
1) 2) 3) 4) 5)		the ulna and the ulnar flexor of the wrist  m. flexor pollicis longus  m. flexor carpi radialis  radius
1) 2) 3) 4)		the ulna and the ulnar flexor of the wrist m. flexor pollicis longus m. flexor carpi radialis
1) 2) 3) 4) 5)		the ulna and the ulnar flexor of the wrist  m. flexor pollicis longus  m. flexor carpi radialis  radius

3)		to the phlegmon
4)		a strip of glove rubber is inserted between the superficial and deep layers of muscles
5)	<b>~</b>	a strip of glove rubber is inserted under the deep muscles of the posterior forearm beds
272.	The p	phlegmon of the anterior shoulder bed is opened with incisions (10-12 cm):
1)		along the medial edge m.
2)		biceps brachii biceps brachii is dissected transversely
3)	$\checkmark$	along the lateral edge of m.
4)		biceps brachii biceps brachii is divided along the course of fibers
5)		by sulcus bicipitalis medialis
273.	The p	phlegmon of the posterior shoulder bed is opened by incisions (10-12 cm):
1)	<b>~</b>	along the lateral edge of m.triceps brachii, excluding damage to the terminal branches of n. radialis
2)		they bluntly penetrate into the gap between the triceps muscle and the humerus
3)		the triceps shoulder muscle is divided along the fibers
4)	$\checkmark$	along the medial edge of m.triceps brachii
5)		the triceps shoulder muscle is dissected in the transverse direction
274.	With	phlegmon of the axillary fossa, complicated by edema to its apex, the following actions are performed:
1)		an incision parallel to the clavicle (according to V.F. Voino-Yasenetsky)
2)		is separated along the course of the fibers of M.deltoideus
3)	<b>~</b>	the large and small pectoral muscles and their fascia are dissected
4)	<b>~</b>	fascia clavipectoralis is dissected along a grooved probe

5)		and drainage is introduced into a four-sided hole
275.		low of pus into the scapular space as a complication of the phlegmon of the axillary fossa is opened as
1)	<b>⊘</b>	an incision is bordered by the angle of the scapula
2)		the trapezoidal, small and large diamond-shaped and anterior dentate muscles are dissected
3)		along the fibers. m. deltoideus
4)		bluntly penetrate between the chest wall and the anterior (costal) surface of the scapula with the scapular muscle
5)		to the purulent focus penetrate through the trepanation opening of the scapula
6)	<b>⊘</b>	drains are installed in all sections
276.	Subp	ectoral phlegmons can be a complication of:
1)	<b>Ø</b>	purulent panaritia of the I, II and III fingers of the hand (lymphogenically)
1)	<ul><li>✓</li></ul>	purulent panaritia of the I, II and III fingers of the hand (lymphogenically)  phlegmons of the submandibular space
2)	<b>⊘</b>	phlegmons of the submandibular space
2)	<ul><li>✓</li></ul>	phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)
3)	<ul><li>∅</li><li>∅</li></ul>	phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa
3)		phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa
2) 3) 4) 5)		phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa  purulent arthritis (purulent inflammation of the shoulder joint)
2) 3) 4) 5)		phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa  purulent arthritis (purulent inflammation of the shoulder joint)  sechnique of opening the subpectoral phlegmon:
2) 3) 4) 5) 277.	The t	phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa  purulent arthritis (purulent inflammation of the shoulder joint)  cechnique of opening the subpectoral phlegmon:  the purulent focus is approached by disconnecting m. pectoralis major along the course of the fibers
2) 3) 4) 5) 277. 1)	The t	phlegmons of the submandibular space  phlegmons of the hand (lymphogenically)  phlegmons of the axillary fossa  purulent arthritis (purulent inflammation of the shoulder joint)  cechnique of opening the subpectoral phlegmon:  the purulent focus is approached by disconnecting m. pectoralis major along the course of the fibers  an incision along the lower edge of the pectoralis major muscle

5)		the suspensory ligament of the armpit is dissected for 4-5 cm
	Incis	ons with deep phlegmon of the sole are performed in the middle third of the lines corresponding to the :
1)		the transverse joint of the foot
2)		I-th metatarsal bone
3)		The V-th metatarsal
4)	<b>⊘</b>	of the medial fascial septum
5)	<b>✓</b>	of the lateral fascial septum
279.	Delo	me incisions with deep phlegmon of the sole have the following advantages:
1)	$\checkmark$	incisions outside the main support points of the foot
2)	$\checkmark$	do not damage plantar aponeurosis
3)		the risk of damage to the n.tibialis is eliminated
4)	$\checkmark$	the short flexor of the fingers is not damaged
5)	$\checkmark$	the integrity of the lateral and medial plantar neurovascular bundles is preserved
280.	The o	leep phlegmon of the posterior region of the lower leg is opened as follows:
1)		an incision along the midline of the lower leg area throughout its
2)	<b>~</b>	entire length, an incision in the upper third of the lower leg, retreating 2 cm from the medial edge of tibiae (v.saphena magna is displaced by a hook)
3)	<b>✓</b>	the medial head of the calf muscle is pulled back and the flounder muscle is cut off from the tibia
4)	<b>⊘</b>	in the lower third, a contraperture is formed by dissecting the layers of the area, including a deep plate of the fascia of the shin

5)	<b>Ø</b>	strips of glove rubber are inserted into the upper and lower incisions
281.	The s	subdeltoid phlegmon is opened by incision along:
1)		the cranio-brachial muscle
2)	<b>Ø</b>	the anterior edge of the deltoid muscle, the
3)		edge of the latissimus dorsi
4)		muscle, the lower edge of the pectoralis major muscle
5)	$\checkmark$	the posterior edge of the m.deltoideus
282.	The p	phlegmon of the anterior thigh bed is opened as follows:
1)	V	a layered incision along the lateral edge of the rectus femoris
2)		muscle a layered incision along the lateral edge of the sartorial muscle
3)	<b>~</b>	the wide fascia of the thigh is dissected between the rectus and lateral broad muscles
4)		in the transverse direction, the rectus femoris is dissected
5)	<b>Ø</b>	with paraossal (circumflex) femoral phlegmon through the gap between the rectus and lateral broad muscles along the fibers, the intermediate the wide thigh muscle
283.	Stage	es of opening the phlegmon of the gluteal region:
1)	<b>Ø</b>	incision of the skin, subcutaneous base and superficial fascia along the line from the upper posterior iliac spine to the tip of the large trochanter
2)	<b>⊘</b>	after dissection of the gluteal fascia along the fibers, the gluteus maximus muscle is stratified
3)	<b>Ø</b>	if necessary, a contraperture is formed at the lower border of purulent congestion in the posterior thigh region or at the large trochanter
4)		when opening the phlegmon of the gluteal region, the contraperture is not

5)	<b>Ø</b>	a wound is used through m. gluteus maximus can be sutured before drainage; drains are left in contrapertures
		n forming a lateral contraperture for drainage of the posterior depressions (inversions) of the knee joint, danger of dissection of nerves:
1)		n. ischiadicus
2)		n. cutaneus surae lateralis
3)		of the common fibular
4)		tibial
5)		n. saphenus
285.	The	ouncture of the elbow joint is performed in the posterolateral section - in a triangle bounded by:
1)	<b>~</b>	the lateral condyle of the humerus
2)		deltoid tuberosity
3)	V	olecranon
4)		ulnar nerve sulcus
5)	<b>~</b>	caput radii
286.	The p	ouncture point of the wrist joint is determined by the intersection on its back surface:
1)		the axes of the radius and I metacarpal bones
2)		the axes of the ulna and pea bones
3)	<b>Ø</b>	the line between the styloid processes radius et ulna
4)	<b>~</b>	the axis of the II metacarpal bone
5)		above the neck of the radius

287.	Artic	ulatio coxae is punctured at the points corresponding to:
1)		sciatic tubercle
2)		trochanter minor
3)	<b>~</b>	at the apex of trochanter major
4)	<b>⊘</b>	is the middle of the distance between the middle of the linea spinosymphisialis et trochanter major
5)		of the Roser-Nelaton line
288.	Punc	ture of the knee joint at the lateral edge of the base of the patella ensures that the needle enters:
1)		deep subcutaneous bursa
2)		subcutaneous bursa of tuberosity of the tibia
3)	<b>~</b>	suprapatellar bursa
4)		subcutaneous pre-patellar bursa
5)	<b>~</b>	joint cavity
289.	In ar	throtomy of the shoulder joint, the muscles are separated by hooks with an anterior Langenbeck access:
1)		the subclavian
2)	$\checkmark$	deltoid
3)		triceps of the shoulder
4)		the long head of the biceps of the shoulder
5)	<b>②</b>	the large pectoral
290.	Arthi	otomy - opening of the joint cavity - is performed for the purpose of:
1)	<b>V</b>	drainage of the cavity in case of purulent inflammation

2)	V	aseptic operations in the joint cavity
3)	<b>⊘</b>	removal of a foreign body
4)		opening of the phlegmon of the bone-fibrous beds of the scapula
5)		reduction of hip dislocation
291.	Opera	ative access to the joint cavity can be carried out by:
1)	<b>V</b>	arthroscopy
2)		of the intramuscular approach
3)		resection of articular surfaces
4)		of the intermuscular approach
5)	<b>~</b>	arthrotomy
292.	Surgi	cal technique - joint resection - consists in:
<b>292.</b> 1)	Surgi	cal technique - joint resection - consists in:  excision of articular surfaces of articulating bones
1)	<b>⊘</b>	excision of articular surfaces of articulating bones
2)	<ul><li>✓</li></ul>	excision of articular surfaces of articulating bones removal of intra-articular ligaments
2)	<ul><li>✓</li></ul>	excision of articular surfaces of articulating bones removal of intra-articular ligaments removal of extra-articular ligaments
1) 2) 3) 4)		excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane
1) 2) 3) 4)		excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane
1) 2) 3) 4) 5)		excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane
1) 2) 3) 4) 5)		excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane  removal of fibrous cartilaginous plates (meniscus, disc)
1) 2) 3) 4) 5)		excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane  removal of fibrous cartilaginous plates (meniscus, disc)  odesis is fundamentally different from arthroplasty:
1) 2) 3) 4) 5) 293.	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	excision of articular surfaces of articulating bones  removal of intra-articular ligaments  removal of extra-articular ligaments  excision of the capsule of the joint with the synovial membrane  removal of fibrous cartilaginous plates (meniscus, disc)  odesis is fundamentally different from arthroplasty:  the type of surgical access to the joint cavity

4)		removal of fibrous cartilaginous plates
5)	<b>~</b>	during arthroplasty provides interposition of articulating bones and early mechanotherapy of the "new" joint
294.	Rules	for performing surgical access to long tubular bones:
1)	<b>~</b>	away from the neurovascular bundle
2)		by a projection approach
3)	<b>Ø</b>	along the intermuscular spaces, furrows and fascial septa - intermuscular access
4)		by an extra-projection approach
5)	<b>~</b>	in the area with the smallest thickness of the muscular layer- intramuscular access
295.	The l	andmarks of one of the low-traumatic accesses to the femur are:
1)		small spit
2)		Ken's line
3)	<b>Ø</b>	Trochanter majus
4)		The Roser-Nelaton line
5)	<b>②</b>	is the lateral condyle of the femur
296.	Princ	iples of surgical treatment of osteomyelitis:
1)	<b>✓</b>	radical surgical treatment of a purulent focus
2)		puncture of a joint adjacent to the focus of inflammation
3)	<b>~</b>	plastic bone defect
4)	<b>~</b>	plastic defect of soft tissues surrounding the bone
5)	<b>~</b>	immobilization of the limb

1)	<b>~</b>	sequestrectomy – removal of bone sequesters
2)	<b>~</b>	sequestrnecrectomy – excision of fistulas together with sequesters
3)	<b>~</b>	trepanation of long tubular bone with sequestrnecrectomy – opening of the bone marrow canal with removal of sequesters and non-viable tissues
4)	V	bone resection – removal of non-viable and infected areas of bone
5)		arthrotomy of the joint
298.	Indic	ations for osteotomy are:
1)	<b>②</b>	elimination of deformities of long tubular bones of various origins (rickets, improperly fused fracture)
2)	<b>②</b>	correction of limb position in arthrogenic contractures (varus and valgus character)
3)		coxarthrosis
4)	<b>~</b>	limb elongation limb
5)	<b>~</b>	shortening
299.	The f	form of osteotomy is chosen taking into account the following conditions:
1)	V	bone fragments should touch on a larger area
2)		it is necessary to use a terminal for skeletal traction
3)	<b>Ø</b>	it is necessary to ensure stable retention of bone fragments in a given position
4)		osteotomy should be performed with a wire saw
5)		to ensure thorough hemostasis
300.	In op	erative orthopedics, such types of osteotomy are used as:

297. Types of surgical treatment of a purulent necrotic lesion in osteomyelitis:

1)		linear and angular
2)	<b>~</b>	transverse and oval
3)	<b>~</b>	oblique (in various planes)
4)	<b>~</b>	"Z" – shaped and curly
5)		osteotomy does not matter in obtaining good results
301.	Requ	irements for operative access to bone for osteotomy:
1)	$\checkmark$	bone exposure from a small incision based on data on the topographic and anatomical situation
2)		projection access is used to approach the bone
3)	<b>~</b>	it is unacceptable to skeletonize the bone over a long distance and especially to separate the periosteum
4)		for an approach to the bone, an out-of-projection access is used
¬,		
5)		osteotomy from a small incision requires the use of an oscillating or ultrasonic saw
5)		osteotomy from a small incision requires the use of an oscillating or ultrasonic saw  e osteosynthesis after osteotomy is achieved by:
5) <b>302.</b>		
<b>302.</b>		e osteosynthesis after osteotomy is achieved by:
<b>302.</b> 1)	Stab	e osteosynthesis after osteotomy is achieved by:  bone nails
<b>302.</b> 1) 2)	Stab	e osteosynthesis after osteotomy is achieved by:  bone nails  metal structures
<b>302.</b> 1) 2) 3)	Stab	e osteosynthesis after osteotomy is achieved by:  bone nails  metal structures  compression and distraction devices
302. 1) 2) 4)	Stab	e osteosynthesis after osteotomy is achieved by:  bone nails  metal structures  compression and distraction devices  limb bandaging
302. 1) 2) 4)	Stab	e osteosynthesis after osteotomy is achieved by:  bone nails  metal structures  compression and distraction devices  limb bandaging  using various types of ligatures

3)	$\checkmark$	removal of a bone segment using an oscillating or wire saw, osteotomy
4)		trepanation of bone with filling of the cavity with biological material
5)	<b>~</b>	reposition (comparison) of bone fragments followed by osteosynthesis by one of the accepted methods
304.	Bone	trepanation is an operative access to an intraosseous pathological focus:
1)	$\checkmark$	a cyst
2)	$\checkmark$	of a benign tumor
3)	$\checkmark$	a foreign body
4)	$\checkmark$	an osteomyelitic focus and a sequester
5)		a foreign body of the joint cavity
305.	Bone	trepanation is performed by:
1)		electric circular saw
2)	$\checkmark$	drill (in acute hematogenous osteomyelitis)
3)		ultrasonic bone cutting
4)	$\checkmark$	osteotome
5)		Olivecron wire saw
306. a "tro	Durin ough":	g bone trepanation, one should strive to ensure that the bone cavity has gentle edges, i.e. the shape of
1)	<b>~</b>	the overhanging edges of the bone wound are a source of necrosis
2)		it is impossible to give the bone wound a trapezoidal shape due to bone destruction
3)	<b>~</b>	better conditions are created for tamponade of the bone wound by surrounding tissues

4)		sharp overhanging edges injure the surrounding soft tissues
5)	<b>Ø</b>	the edges of the bone wound receive adequate blood supply
307.	After	sequestrectomy, the bone cavities are filled with:
1)		biological materials: bone, cartilage
2)		adipose tissue
3)	<b>~</b>	artificial materials, for example, gypsum
4)		fascial flap
5)	<b>~</b>	muscle flap on the vascular "leg" in combination with antibiotic therapy
308.	Name	the methods of osteosynthesis:
1)	V	extramedullary
2)	<b>②</b>	intramedullary
3)	<b>Ø</b>	out-of-focus using compression-distraction devices
4)	<b>Ø</b>	combined – a combination of extra- and intramedullary osteosynthesis
5)		plaster dressing
309.	Rules	for fixing a metal plate with screws during extramedullary osteosynthesis:
1)	<b>⊘</b>	the diameter of the hole should be 1-2 mm smaller than the diameter of the screw
2)		the screw is inserted through one cortical plate
3)	<b>⊘</b>	the screw is immersed strictly perpendicular to the axis of the bone
4)		the diameter of the screw hole should be larger than the diameter of the screw
5)	<b>~</b>	the screw should pass through both cortical plates without going outside

1)	<b>~</b>	insertion of a metal rod into the bone marrow canal
2)	<b>✓</b>	driving the rod under X-ray control
3)	<b>✓</b>	immersion of the rod without exposing the bone
4)	V	insertion of the rod from the proximal or distal metaphysis
5)		using Kirchner spokes
311.	Basic	requirements for osteosynthesis:
1)	<b>②</b>	careful reposition of bone fragments along the axis and along the plane
2)	<b>⊘</b>	reliable fixation of bone fragments for a long period of bone regeneration
3)	<b>~</b>	ensuring a slight degree of compression of bone fragments
4)	$\checkmark$	interposition is unacceptable – the presence of fatty tissue, fascia, etc
5)		interposition is possible between bone fragments
312.	Bone	resection is indicated for:
1)	<b>Ø</b>	pathological processes: tumors, terminal post-traumatic osteomyelitis
2)		congenital dislocation of the hip
3)	<b>~</b>	bone deformity requiring removal of part of this organ
4)	<b>Ø</b>	bone shortening
5)	<b>~</b>	autograft removal
313.	Acco	rding to the difference in indications and tasks, the following types of bone resection are distinguished:
1)		subcostal

310. The essence of the "closed" method of intramedullary osteosynthesis consists in:

2)		sequestrectomy
3)	<b>~</b>	periosteal
4)	V	marginal
5)	<b>Ø</b>	segmental
314.	Marg	inal bone resection is used:
1)	<b>Ø</b>	with the marginal localization of the pathological focus
2)		coxa vara
3)	<b>~</b>	as an operative access to an intraosseous located foreign body
4)		in case of an improperly fused fracture
5)		with congenital dislocation of the hip
315.	Segm	nental bone resection for a tumor has the following methods of completion:
<b>315.</b>	Segn	nental bone resection for a tumor has the following methods of completion:  the resulting bone defect is not replaced
1)	<b>⊘</b>	the resulting bone defect is not replaced
2)	<ul><li>✓</li></ul>	the resulting bone defect is not replaced bone grafting is performed
2)	<ul><li>✓</li><li>✓</li></ul>	the resulting bone defect is not replaced bone grafting is performed osteotomy is performed
1) 2) 3) 4)	<ul><li>✓</li><li>✓</li></ul>	the resulting bone defect is not replaced  bone grafting is performed  osteotomy is performed  the ends of bone fragments are treated
1) 2) 3) 4) 5)		the resulting bone defect is not replaced bone grafting is performed osteotomy is performed the ends of bone fragments are treated and thorough hemostasis is ensured
1) 2) 3) 4) 5)		the resulting bone defect is not replaced  bone grafting is performed  osteotomy is performed  the ends of bone fragments are treated
1) 2) 3) 4) 5)		the resulting bone defect is not replaced bone grafting is performed osteotomy is performed the ends of bone fragments are treated and thorough hemostasis is ensured
1) 2) 3) 4) 5)		the resulting bone defect is not replaced  bone grafting is performed  osteotomy is performed  the ends of bone fragments are treated  and thorough hemostasis is ensured  craditional sites of autograft sampling for bone grafting are:
1) 2) 3) 4) 5) 316.	The t	the resulting bone defect is not replaced  bone grafting is performed  osteotomy is performed  the ends of bone fragments are treated  and thorough hemostasis is ensured  craditional sites of autograft sampling for bone grafting are:  gluteal tuberosity

4)		lateral condyle of the humerus
5)	<b>②</b>	less often – fibula
317.	The b	one grafting on the vascular pedicle is based on the following principle:
1)	<b>~</b>	the graft is taken (more often the fibula) together with the artery supplying it
2)	<b>~</b>	the graft artery is connected using microsurgical technique to the branch of the nearest artery
3)		the graft is fixed with a tractus iliotibialis flap, the
4)		graft is strengthened with a Linen plate
5)		the graft is fixed with plaster
318.	Intra	medullary osteosynthesis using pins and screws is characterized by:
1)	<b>~</b>	stable connection of bone fragments
2)	<b>⊘</b>	release of the patient from postoperative plaster immobilization
3)		during orthopedic operations, the ability to combine intramedullary osteosynthesis with extramedullary bone grafting, requiring additional external fixation of the limb
4)	<b>②</b>	after bone fusion, the pin must be removed, i.e. another operation is required
5)		after the formation of a callus, the pin remains in the bone marrow canal
319.	For i	ntramedullary osteosynthesis, fixators (pins, screws) are used from:
1)	$\checkmark$	metal alloys
2)	<b>✓</b>	metal polymer
3)	<b>⊘</b>	polymer
4)	<b>⊘</b>	pins, which eventually undergo resorption with the removal of decomposition products from the body

5)		bone pins
320.	The s	tages of antegrade insertion of the pin into the diaphysis of the femur:
1)	<b>✓</b>	in the area of the false joint, bone fragments are separated and their ends are treated
2)	<b>~</b>	retrograde, a conductor is inserted into the medullary canal of the proximal fragment
3)	<b>⊘</b>	a large spit is perforated with a conductor
4)	<b>⊘</b>	soft tissues are dissected above the end of the conductor and, having installed a pin on it, it is punched into the distal fragment
5)		for osteosynthesis, the Ilizarov apparatus is used
321.	The s	tages of retrograde immersion of the pin into the diaphysis of the femur:
1)	$\checkmark$	the pin is hammered from the side of the exposure of the fracture site into the proximal bone fragment until the formation of a protrusion of soft tissues above the trochanter major
2)	<b>~</b>	above the large spit, soft tissues are dissected above the protrusion
3)	<b>~</b>	bone fragments are repositioned along the axis
4)	<b>⊘</b>	the pin is driven in the opposite direction into the distal fragment
5)		for osteosynthesis, a compression-distraction apparatus is used
322.	Rules	for the introduction of spokes for osteosynthesis by Ilizarov and Kalnberz devices:
1)	<b>~</b>	the spokes are inserted transversely cruciform and fixed in rings or arcs
2)		the skin, before piercing with a spoke, is maximally shifted in the direction opposite to the intended displacement of the ring of the apparatus
3)	<b>⊘</b>	soft tissues are pierced with a spoke from the side where there are no neurovascular bundles
4)		when carrying a spoke through flexor muscles, the limb must be it is unbent; when carried through extensors, it is bent

5)		for free access to the limb segment from all sides, the limb is placed on the lining
323.	With	the help of a compression-distraction apparatus, for example, Ilizarov, they achieve:
1)	<b>~</b>	reposition of bone fragments
2)	<b>~</b>	their reliable fixation
3)	<b>~</b>	elimination of displacement of the ends of fragments at an angle
4)		immobilization of the limb
5)	<b>Ø</b>	light compression at the fracture site to stimulate osteogenesis; subsequently, distraction
324.	Oste	osynthesis of the femur with an external fixation device consists of the following:
1)	<b>✓</b>	on the proximal and distal fragments, 3 transverse channels are formed with a drill
2)	<b>~</b>	Rods with screw thread are inserted into the channels of each of the fragments at the end
3)	<b>~</b>	of the rods are connected with special rods that allow compression of fragments
4)	<b>~</b>	with an infected false joint of the femur osteosynthesis with an external fixation device is the method of choice
5)		it is necessary to ensure that so that the pins do not pass through the projection of the neurovascular bundle
325.	Whei	n amputating a limb after separate isolation of the main arteries and veins, they are treated as follows
1)		
_,		apply a central (first) ligature – ligation of the vessel with a thick catgut thread
2)		two clips are applied to the ends of the artery and veins
2)		two clips are applied to the ends of the artery and veins

1)	<b>~</b>	primary – in the form of primary surgical treatment of the wound within 24 hours after the injury
2)	<b>~</b>	secondary – at a later date (7-8 days), in cases where the injury, which did not give indications for amputation, was complicated by a life-threatening process (anaerobic infection)
3)		bone and plastic amputation according to Gritti-Shimanovsky
4)	<b>~</b>	the final femur (primary and secondary) is indicated in the absence of grounds for the development of dangerous inflammatory complications and the formation of a stump unsuitable for prosthetics
5)	<b>~</b>	reamputation is performed with a "vicious" cult formed after primary amputation
327.	Feat	ures of bone processing during amputation of the tibia:
1)	<b>~</b>	the fibula is sawn 2 cm proximal to the cut of the tibia
2)	<b>~</b>	with high amputations of the tibia, the fibula is
3)	<b>~</b>	to be removed from the tibia, the protruding anterior edge is removed at an angle of 45 $^{\circ}$
4)		more- and the fibula is dissected at the same level
5)	<b>Ø</b>	the edges of the tibial bone sawdust are rounded with a rasp after removal of the anterior edge
328.	Whe	n amputating a limb, the following methods of processing the periosteum and bone are used:
1)	<b>~</b>	aperiostal – the length of the bone sawdust without the periosteum is 3-5 mm
2)		periosteal – the level of dissection of the periosteum corresponds to bone
3)	<b>~</b>	sawdust subperiostal – bone sawdust is closed with a periosteal cuff the
4)		periosteum and bone are not treated
5)		bone sawdust is closed with a musculoskeletal flap
329.	The e	essence of the "vicious" stump, explaining the impossibility of using a prosthesis, is that:

326. Depending on the duration, the following types of amputations are distinguished:

1)		a conical stump develops
2)	<b>~</b>	bone sawdust protrudes from soft tissues
3)	<b>Ø</b>	with a circular amputation method, "bear ears" are formed - angularly protruding edges of the amputation stump
4)	<b>✓</b>	on the working (supporting) surface of the stump, scarred soft tissues with ulceration
5)		occur, guillotine amputation is performed at the level of the middle third of the thigh
330.		amputation requires so much consideration, so much common sense and the attention of a doctor as a ear compilation of indications for amputation" (N.I.Pirogov) because this is:
1)	<b>~</b>	a crippling, i.e. disabling operation
2)	<b>②</b>	emotional and mental trauma
3)		hemostasis surgery
4)	<b>~</b>	neurosurgical surgery
5)	<b>⊘</b>	vascular surgery
331.	Repe	ated amputation, re-amputation, is characterized by the fact that it
1)	V	is performed at a higher level of the same limb
2)	<b>✓</b>	due to the anatomical and functional unsuitability of the stump after amputation in the past
3)		it is performed with gas gangrene
4)	<b>✓</b>	the purpose is to reconstruct the amputation stump to adapt to the use of a prosthesis
5)		they are performed according to the three-stage method of N.I. Pirogov
332.	Post-	amputation pain: phantom, hyperesthesia of the stump, causalgic syndrome is a consequence of:
1)	<b>⊘</b>	the formation of a neuroma at the end of the nerve trunk

2)		causalgic pain does not subside under the influence of painkillers
3)	<b>②</b>	ingrowth of the end of the nerve into the scars of the amputation stump or the formation of intracarvular scars
4)	<b>~</b>	nerve irritation osteophytes or intracarvular foreign body
5)	<b>~</b>	ascending infectious neuritis
333.	In the	e process of limb amputation, gentle treatment of the nerve is required:
1)	<b>✓</b>	an anesthetic solution of 1-2 ml (1-2%) is injected into the nerve stump
2)		It is unacceptable to pull the nerve out of the soft tissues of the stump; the nerve is extracted, the
3)		nerve is crushed with a hemostatic clamp
4)	<b>~</b>	with high nerve truncation, muscle atrophy with trophic skin ulcers and contracture may develop
5)	<b>Ø</b>	in the case of low nerve truncation – its end grows into scars
334.	Rules	for secondary nerve truncation, including large cutaneous ones, during limb amputation:
<b>334.</b>	Rules	for secondary nerve truncation, including large cutaneous ones, during limb amputation:  nerve truncation is performed after dissection of soft tissues and bone
1)	<b>⊘</b>	nerve truncation is performed after dissection of soft tissues and bone  the nerve is held without pulling from the muscles with anatomical tweezers and infiltrated with a solution of
2)	<b>⊘</b>	nerve truncation is performed after dissection of soft tissues and bone  the nerve is held without pulling from the muscles with anatomical tweezers and infiltrated with a solution of novocaine (1-2%)
2)	<ul><li>✓</li><li>✓</li></ul>	nerve truncation is performed after dissection of soft tissues and bone  the nerve is held without pulling from the muscles with anatomical tweezers and infiltrated with a solution of novocaine (1-2%)  the nerve trunk is dissected with Cooper scissors  depending on the level of amputation and the thickness of the nerve, it is crossed strictly perpendicular to one
1) 2) 3) 4)		nerve truncation is performed after dissection of soft tissues and bone  the nerve is held without pulling from the muscles with anatomical tweezers and infiltrated with a solution of novocaine (1-2%)  the nerve trunk is dissected with Cooper scissors  depending on the level of amputation and the thickness of the nerve, it is crossed strictly perpendicular to one with a blow of a safety razor blade proximal to the muscles
1) 2) 3) 4)		nerve truncation is performed after dissection of soft tissues and bone  the nerve is held without pulling from the muscles with anatomical tweezers and infiltrated with a solution of novocaine (1-2%)  the nerve trunk is dissected with Cooper scissors  depending on the level of amputation and the thickness of the nerve, it is crossed strictly perpendicular to one with a blow of a safety razor blade proximal to the muscles  the bleeding nerve vessels are bandaged with a thin ligature of absorbable suture material

2)	<b>⊘</b>	there is no commensurability of soft tissue and bone growth – bones grow faster, which is accompanied by the development of a conical stump ("physiological taper" it is
3)		advisable to use cone-plastic amputations
4)	<b>Ø</b>	The radius and fibula grow faster than the ulna and tibia, increasing the taper
5)	<b>~</b>	flap amputations are preferred; flaps of the flexor regions, due to their greater contractility, should be longer than those on the extensor