Theme 2

ORGANIZATION AND CONDUCTION OF MEDICOLEGAL EXAMINATION OF DEAD BODY AND REGISTRATION OF DOCUMENTS

Actuality of theme. Medicolegal examination of dead body is one of the most important type of medicolegal examination. It is conducted by specialists – medicolegal experts. According to the legislation a doctor of any specialization may be enlisted as an expert, if there is no professional medicolegal expert. As a rule, it takes place in districts, where there is no district medicolegal examination, or due to circumstances a medicolegal expert can not discharge his duties.

General purpose of training

To be able to state the order of conduction, organization of medicolegal examination of dead body and to formulate a sectional diagnosis.

Concrete aims. To know:

1 To know judicial positions, common rules and order of medicolegal examination (research) of dead body.

2 To learn the features of methods and techniques of external and internal research during medicolegal examination of dead body in the process of their demonstration by a teacher.

3 To know the methods of extraction of parts of organs, tissues and liquids for additional laboratory researches.

To be able:

1 To be able to conduct the external examination of dead body.

2 To conduct the internal examination of dead body.

3 To be able to diagnose the pathomorphological changes.

4 To register «Act of medicolegal examination of dead body».

5 To be able to register the «Medical certificate about death» recognition features of medicolegal examination of dead body.

6 To formulate and to ground «Conclusions of expert».

7 To register «Conclusions of expert».

Initial level of abilities and knowledge. To know:

1 Definition of «medicolegal examination» and «medicolegal examination of dead bodies» («Order №6» of 17.01.1995).

2 Chart and content of «Act of medicolegal examination of dead body» (look addition).

3 Conditions and order of conduction of medicolegal examination of dead body («Order N_{26} » of 17.01.1995).

4 List of basic medicolegal documents («Order№6» of 17.01.1995).

5 Definition of «Additional researches» and «Results of additional researches».

6 Principles and registing of content of conclusions in the act of autopsy.

Basic literature

- 1. Kontsevich I.O., Mikhailichenko B.V. Judicial medicine. Kiev: Lesya, 1997. P. 38-55.
- 2. Sapozhnikov J.S., Hamburg A.M. Judicial medicine. Kiev: High school, 1976.-P. 58-64.
- 3. Sapozhnikov J.S., Hamburg A.M. Judicial medicine. Kiev: High school, 1980.–P. 59-66.
- 4. Judicial medicine/By ed. in chief. Smolyaninov V.M.-Moscow: Meditsina,1975.-P.35-47.

5. Judicial medicine/By in chief. Smolyaninov V.M-Moscow: Meditsina,1982.-P. 348-357.

Supplementary literature

1. Medicolegal examination of a corpse / Gromov A.P., Kapustin A.V. - Moscow: Meditsina, 1991. - 320 p.

2. Judicial medicine. Textbook for higher educational establishments / By ed. in chief. Tomilin V.V. – Moscow, 1996. – 370 p.

Lecture on the following topic.

Content of the topic in graphological charts and tables.

Every student gets protocol part of «Act of medicolegal examination of dead body», extract from the protocol review of dead body in place of his exposure and other materials of case. During their study one should be oriented on the questions, an answer on which he will have to illustrate in conclusions. Next students define the reason of death and make the act of research of dead body in a brief form, writing out the pathological changes and formulate a sectional diagnosis.

Theoretical questions to the training, on the basis of which the fulfillment of work, having special purpose, is possible

1 To explain basic rules, conditions and features of medicolegal examination of dead bodies. 2 To encounter the occasions of setting medicolegal autopsy.

3 To name parts and their content of act of dead body examination.

4 To analyze the technique of medicolegal autopsy.

5 To give comparative description of pathoanatomical and medicolegal examination of dead body.

Short methodical instructions to work on practical training

At the beginning of training the home tasks will be checked. Training is conducted as conversation with demonstration of tables and proper documents of medicolegal examination of dead body. Teacher acquaint students with previous information, content of resolutions, consideration of investigator on the conduction of medicolegal autopsy, names questions, on which answers should be given. The introductory part of «Act» is registered.

A teacher shows a technique and order of medicolegal examination of dead body. The external review of dead body is conducted, during which his features are stressed. Then internal examination is conducted, 2-3 students help a teacher. At the end of section a teacher summarizes the found changes in a dead body, acquaint with the rules of organs and tissues extraction for laboratory analysis.

Students independently give answers to the questions which were stressed at the beginning of research in the introductory part of «Act», set a sectional diagnosis and fill in the medical certificate about death.

Training is completed by the analysis of the results of the independent work of every student which must be able to give right answer to the theoretical question and task. The final level of theoretical knowledge will be cleared up by the standardized test control. **Situational tasks**

Task 1

Mr. Kozak A.A., 50 years old, in the morning was found dead in a bed. According to the words of his wife, the man the day before had troubles at work. By medicolegal expert in the act no signs of violent death were found. During the autopsy sharply marked, full, intensive death spots; face is pale, acute plethora of inner organs, liquid state of blood, points of crimson hemorrhages, in epicardium and under pleura, nidus crimson hemorrhages on the front wall of left ventricle, 1x1,5 cm in size, uneven blood filling of heart muscles of heart, atherosclerotic plaques, in the midwall of coronal vessels (on 2/3 broke the road clearance of

vessels), aorta, vessels of brain basis, edema of cerebrum, cystic disease of the right kidney. Other pathological changes are not found.

Set a sectional diagnosis.

Task 2

From the consideration of investigator it is known, that Mrs. Hnuda V.A., 75 years old, suddenly died at home. During the autopsy continuous blue-purple death spots, right-side groin hernia, hydropericardium, increase of the heart (15,6x16x5,5 cm), cardiac muscle is flabby, with whitish layers, there is considerable deformation of bivalve valve, hardening, which in some places is stony, atherosclerotic plaques in a midwall aortas, cyst of the left kidney, cyst of the right ovary.

Set a sectional diagnosis.

Examples of the standardized test control

To choose one right answer

1 What document does a medicolegal expert register after finishing medicolegal research of dead body:

2 What document does a medicolegal expert register after examination of dead body and getting additional information of laboratory analysis:

3 How many generally accepted parts make up the "Medicolegal diagnosis":

4 How many generally accepted parts make up the "Medical certificate about death":

5 What does expert specifies in the first point (a) of "Medical certificate about death":

6 What does expert specifies in the second point (b) of "Medical certificate about death":

7 What does expert specifies in the first point (a) of the "Medicolegal diagnosis":

8 What does expert specifies in the second point (b) of the "Medicolegal diagnosis":

9 What does expert specifies in the third point (c) of the "Medicolegal diagnosis":

10 What part does not make up "Conclusion of expert":

Addition. Table of contents of theme in charts

Example of the resolution about the setting of medicolegal examination

1.01.2006 Senior investigator of public office of prosecutor in Poltava (Name, Patronymic Name, Surname) after examining materials of criminal case №...

Set

On December, 31, 2005 about 7 o'clock 30 minutes in the open room under the external staircase of swimming pool «...» on ... Street, 1 in Poltava the dead body of Mr... (Name, Patronymic Name, Surname) was found in Poltava with numerous injuries in the area of head and neck.

On the basis of foregoing, considering, that for answering the questions which arose up, necessary special knowledge in the branch of judicial medicine, following the article of.... criminal-legal code of Ukraine

I decree

To appoint in this criminal case medicolegal examination, the conduction of which charge to the experts of the Poltava regional bureau of medicolegal examination.

For the decision by experts put such questions:

1 What physical injuries are there on the dead body of Mr...? (Name, Patronymic Name, Surname), their localization, time of formation, and also degree of physical injuries, from them relatively to the living person?

2 What mechanism of formation of present physical injuries?

3 What is the direct reason of death of victim?

4 What is the time of death?

5 What from physical injuries present on a corpse were caused during lifetime, and which of them have posthumous character?

6 What is the description of injuring object (objects) from the action of which physical injuries appeared on a corpse?

7 From the action of one or different objects did these physical injuries appear?

8 From which by force and in what order physical injuries present on a dead body were caused to the victim?

9 Did a victim take alcoholic drinks before death and if so, what state of alcoholic intoxication he was in relatively to the living person?

During the research of dead body to take: pieces of skin with the damages, samples of hair from five areas of head, standards of blood on group belonging, samples of urine and blood on the presence of alcohol, cut the nail plates from both hands, and also other objects which are necessary for objective illumination of the put questions.

To give to the disposal of experts copy of the necessary resolution. Dead body of Mr... (Name, Patronymic Name, Surname) in a medicolegal morgue was delivered according to the direction of the senior investigator of public office of prosecutor of Poltava (Name, Patronymic Name, Surname).

Copy of this decision was directed to the public prosecutor of Poltava.

Example of act about death verification

City of N., May, 29, 2005, 5 hours 30 minutes. We, that signed below: Medicolegal expert of city N. doctor (Name, Patronymic Name, Surname), duty doctor of the ambulance station, doctor (Name, Patronymic Name, Surname) and junior intern of N. Military Hospital captain of medical service (Name, Patronymic Name, Surname), on suggestion and in the presence of investigator of N. public city office of prosecutor of adviser justices (Name, Patronymic Name, Surname) and witness (Name, Patronymic Name, Surname) and (Name, Patronymic Name, Surname) and witness (Name, Patronymic Name, Surname) and (Name, Patronymic Name, Surname) which live: 1) on a Hriboedov Street №00 and 2) on a Nahorny Street №00, in the building of morgue of N. city Medicolegal examination which is situated on D... Street №00 medicolegal research of dead body of Mr... (Name, Patronymic Name, Surname), 41 years old was conducted. The dead body was delivered by order of above-mentioned investigator for the purpose of death fact establishment and possibility of its autopsy before the expiration of 12-hours term from a moment of death, set by law. From above-mentioned report of investigator it is evident, that death of Mr... (Name, Patronymic Name, Surname) happened 2 hours earlier - on May, 29, 2005 at 3 o'clock 30 minutes. The autopsy of his body before the end of the noted term is necessary for extraction of a bullet, which is in the corpse.

While the research it was found that: dead body, in the places covered by clothes, keeps the lifetime warmth of body, cadaveric rigidity and death spots were not found. While stethoscope listening in the region of heart signs of heart beating are not heard. Burning hot on the flame of spirit burner copper wire was put to the skin on the front surface of right hip - in place of burn brown scab appeared, but, round the scab during 20 minutes no signs of lifetime reaction were

not marked. During the conduction on this place of a few cuts of skin to the subcutaneous allulose bleeding was not marked.

Medicolegal expert Investigator, adviser of justice Witness

Conclusion

On the basis of above-mentioned facts we consider that the conducted researches confirmed the fact of death of Mr... (Name, Patronymic Name, Surname), and there are no obstacles for implementation of immediate medicolegal autopsy of his corpse.

A medicolegal expert, doctor Doctor

Addition ACT

medicolegal research of dead body

		<u>№</u>				
«»	200	year from weather and		till		
hours with	W6	eather and	illumination, on the			
basis of						
from «»		year №				
in the building of						
medicolegal expert c	onducted medico	legal examin	ation of dead	l body		
•				r the address		
During the examinat	ion were present					
	C	ase circums	tances			
		External reso				
Clothes on the dead	body					
A dead body was del	livered without cl	othes.				
			rs old (visua	lly and according documents),		
-		-				
signs in cases of auto	opsy of unidentified	ed person are	filled on in	the columns about		
unidentified dead bo	dy	_				
of a cadaveric rigidit	У					
Coverlet in general						
Coverlet in general _ Death spots of				colour, are found on		
While pressing						
Putrid changes						
Hair on the head						
On hairy part of head	d during a examin	nation and pal	lpation			
Skin of the face						
-						
pupils	C					
connective membran	les of eyes					
Bones and cartilages	of nose by touch	·				
Openings of nose						
		, mucous tunic of lips,				
-						
Thoray						
Stomach						
Stomach						

External genitals
Anus
Extremities
Injuries
Any other injuries and peculiar features during the external research of dead body were not
found.
Internal research
While section of abdominal cavity
Hypodermic cellular tissue reaches in the area of chest cm, in the area of stomach cm.
Epiploon The localization of abdominal cavity organs
Stomach, intestine loops Peritoneum
In the abdominal cavity
Diaphragm cupola is situated on the right on the level
on the left ribs. Rib cartilage are cut
Thorax bone
While thorax autopsy lungs
In pleural cavities
Pericardium,
in its cavity there is
From the cavity of heart and large vessels is excreting Heart is shaped,
in sizescm, its weight is g. Epicardium contains,
heart surface is
Right vein opening in diameter is cm, left is cm.
In heart cavities there is Heart muscle on the sections is of
consistence Thickness of the muscle of left ventricle is cm, right is cm.
Three-leaved valve
Two-leaved valve
Inner heart membrane is
Aorta width on the cut above the valves iscm.
Its valves are
Inner surface of aorta is
Width of lung artery on the section above the valves is cm.
Its valves are
Inner tunic of lung artery is
Coronal artery of heart is
In the hypodermic cellular tissue of the neck it was found
Larynx cartilages, sublingual bone
Thyroid gland is
The tongue is
Tonsils are
Gullet and esophagus are
Larynx and trachea are
Lungs by touch are
On the surface of lungs there is
Tissue on the cut is
While ribs examination from the side of thorax

Collar bone is	Shoulder blades are	
	Spleen is	
	, spleen consistence is	
	Gall bladder is	
in its cavity there is	, mucous tunic is	
In the stomach cavity t	there is, the sn	nell
Stomach mucous tunic is	s Pancreas is	cm in size.
In intestine	Its mucous tunic is	·
Kidneys are	cm in size. Adipose capsule	is
	aken away Kidney surface is	
On the section tissue i	s Border between laye	rs is
Kidney pelvises are		
Adrenal glands are	Bladder is	
Its mucous tunic is _		
Inner genitals are _		
Pelvis bones are	Soft head covers from their inne	r surface are
	, their thicknes	
Hard cerebrum tunic is _	with bones of calvarium is	adnated.
In the upper linear sinus	s and sinus of skull basis	
	Its vessels are	
	asis are	
Gyri are		
Fissures between them an	re	
	ut is	
From the cerebrum tissue	e there is a smell	of
In the cerebrum ventricle	es	
	oblongata tissues	
Bones of skull basis are	:	
	l laboratory researches:	
Medicolegal diagnosis		
Basic disease (injury, sta		
Complications	njuries, alcoholic intoxication)	
Concomitant (diseases, in		
	Expert conclusions	
	icolegal examination of the corpse	
	ional researches, medical documents with	
circumstances and acc	ording to the set question, come up	to such conclusions:
Medicolegal expert		(signature)