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Bukhara branch of the RSRC of forensic medical examination

✓ *Resume*

*The results of the work of the forensic medical service are indicators that characterize the socio-economic state of the region. The article deals with the dynamics of deaths by region, month, and time of year. The analysis was carried out by standardized categories: distribution by month, seasonality of fatal injuries and by main disease. The article presents the results of the analysis of statistical data on some violent and nonviolent deaths in the Bukhara region during 2019 year according to the main parameters.*

*Key words: forensic examination, autopsy, coronary heart disease, traumatic brain injury.*

**ДАНИЕ АНАЛИЗОВ ВСКРЫТИЙ ТРУПОВ БУХАРСКОГО ФИЛИАЛА Р.Н.И.Ц. СУДЕБНО-МЕДИЦИНСКОЙ ЭКСПЕРТИЗЫ ЗА ПЕРИОД 2019 ГОДА**

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✓ *Резюме*

*Результаты работы судебно-медицинской службы, являются индикаторными показателями, характеризующими социально-экономическое состояние региона. В статье рассмотрены особенности динамики смертных случаев по районам, по месяцам и временам года. Проведен анализ по стандартизованным категориям: распределение по месяцам, сезонности смертельных повреждений и по основным заболеваниям. В статье представлены результаты анализа статистических данных некоторых насильственных и ненасильственных летальных исходов в Бухарской области в течение 2019 года по основным параметрам.*

*Ключевые слова: судебно-медицинская экспертиза, аутопсия, ИБС, ЧМТ.*

**BUXORO VILOYATIDA 2019 YIL DAVOMIDA R.S.T.E.I.A.M BUXORO FILIALI TOMONIDAN OCHIB KO'RILGAN MURDALAR MA'LUMOTLARINI TAHLILI**

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R.S.T.E.I.A.M Buxoro filiali

✓ *Resume*

*Sud-tibbiyot xizmatining natijalari mintaqaning ijtimoiy-iqtisodiy holatini tavsiflovchi ko'rsatkichlardir. Maqolada hududlar, oylar va fasllar bo'yicha o'lim dinamikasining xususiyatlari ko'rib chiqiladi. Tahlillar standartlashtirilgan toifalar bo'yicha: oylar bo'yicha, o'limning mavsumiyliigi va asosiy kasallik bo'yicha taqsimlangan. Maqolada Buxoro viloyatida 2019 yil davomida asosiy parametrlar bo'yicha ayrim zo'raki va zo'ravonliksiz o'lim holatlarining statistik ma'lumotlari tahlili keltirilgan.*

*Kalit so'zlar: sud ekspertizasi, autopsiya, koronar yurak kasalligi, travmatik miya jarohati.*

**Relevance**

One of the main goals of a civilized society is to achieve the lowest possible mortality and preserve every human life. Scientific research aimed at improving the expert system for comprehensive assessment and control of the volume and quality of medical care has become of great importance in recent years. We found it

interesting to compare the dynamics of the number of autopsies of the deceased in the Bukhara region in 2019. It turned out that in 2019, forensic experts performed 319 autopsies of the deceased. We selected 243 cases of violent and nonviolent deaths selectively for study.

**The purpose of the study** is to analyze the corresponding autopsy indicators for 2019 with the study of regional characteristics of mortality, to show the medical and social significance of the problem.

**Material and methods**

The study presents the results of a comparative analysis of mortality in the Bukhara region during 2019 by the main parameters (time of year, injuries received). The object of the study was the forensic medical examination of the corpses and the acts of the dead.

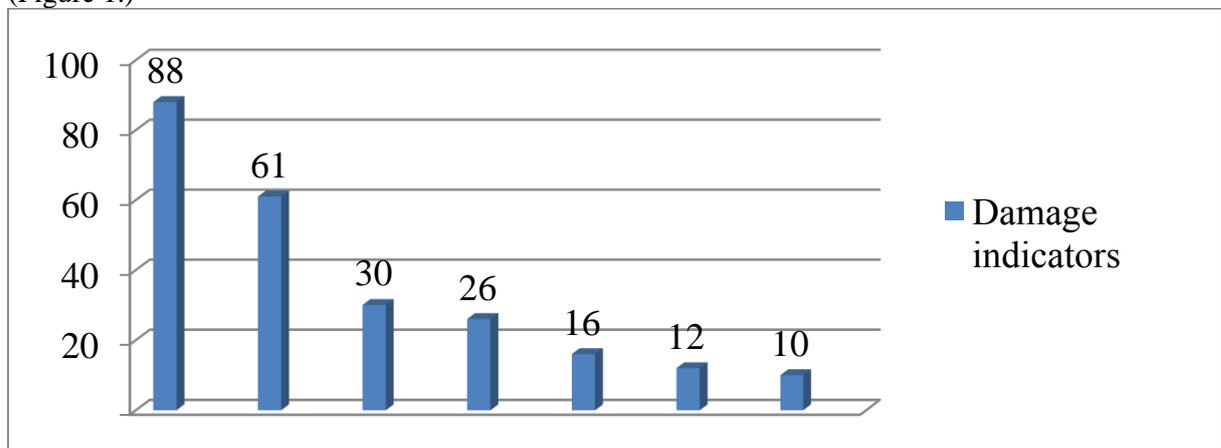
**Result and discussion**

We analyzed deaths from the hanged, drowned, burns, electrical trauma, TBI, ischemic

heart disease, sudden deaths that occurred at the scene and in hospitals in the Bukhara region for the period of 2019.

Reflecting the total number of deaths for the period of 2019, the prevalence of the number of those hanged should be highlighted, which amounted to 88 cases; the second place was taken by lethal outcomes from ischemic heart disease - 61 cases; in third place, there were deaths from drowning - 30 cases; in fourth place TBI - 26 cases; in fifth place burns - 16 cases; in sixth place, electrical injury - 12 cases; the smallest number of observations was sudden death - 10 cases.

(Figure 1.)

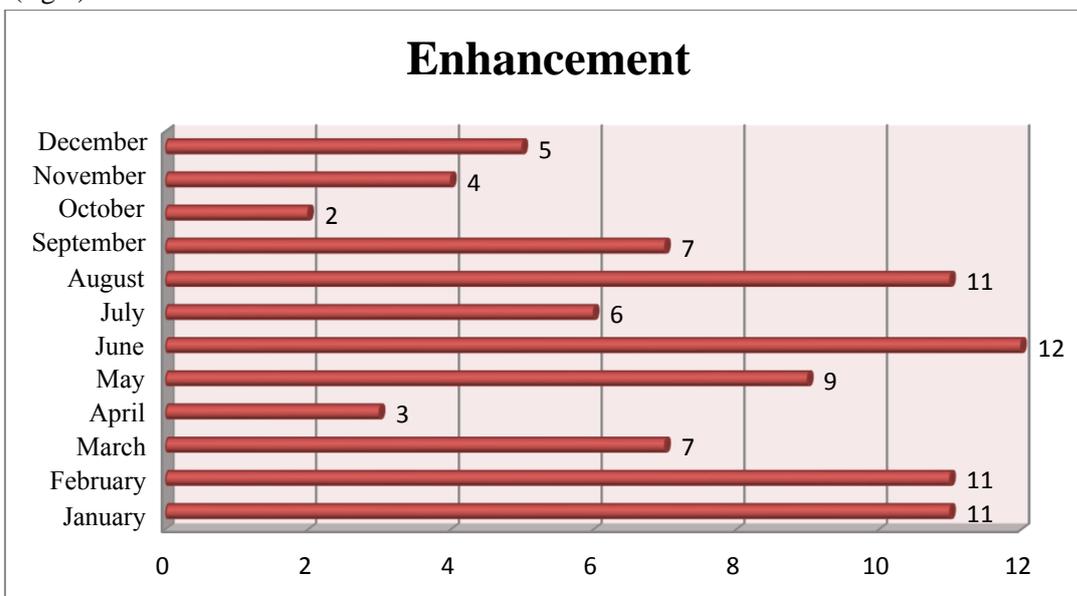


- 1- The Hanged
- 2- ischemic heart disease
- 3- Recessed
- 4- TBI
- 5- Burns
- 6- Electrical injury
- 7- Sudden death

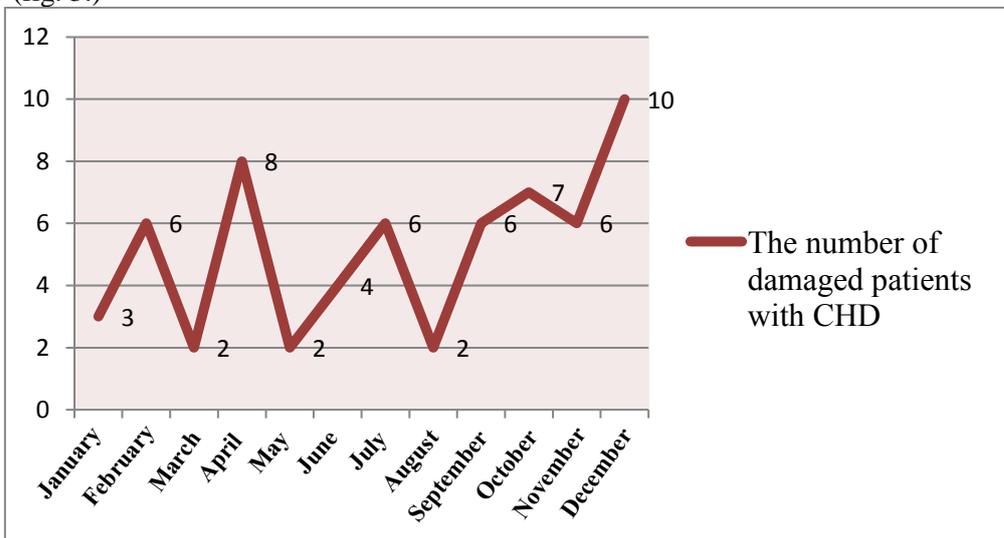
Distribution of injury cases by month revealed that a large number of hanged cases occurred in January (11 cases), February (11 cases), June (12 cases) and August (11 cases); Death from ischemic heart disease in April (8 cases) and December (10 cases) Fig. 3; drowned in July (10 cases), August (7 cases) rice 4; the predominant number of deaths from burns was determined in November and December (Figure 5); craniocerebral trauma in the month of November (8 cases) Fig. 6. Separately about sudden death. According to the criteria recommended by a group of WHO experts in

1964, death that occurred unexpectedly within 6 hours from the onset of the disease in a healthy person or a patient who was in a satisfactory condition is classified as sudden. Sudden cardiac death is characterized by a significant prevalence and potential reversibility in a significant proportion of cases, provided that timely and adequate resuscitation measures are taken. In this regard, there is a growing need for the study of deaths from cardiovascular accidents by both clinicians, pathologists and forensic physicians.

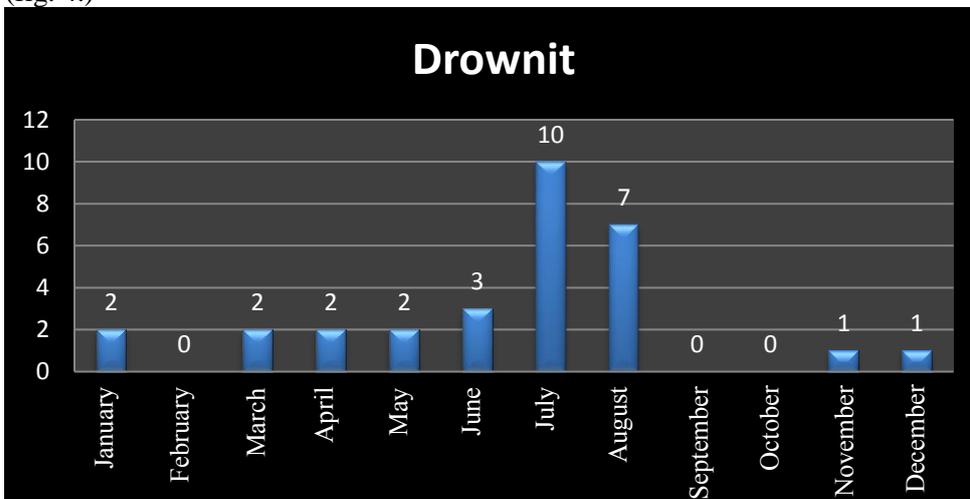
(fig 2)



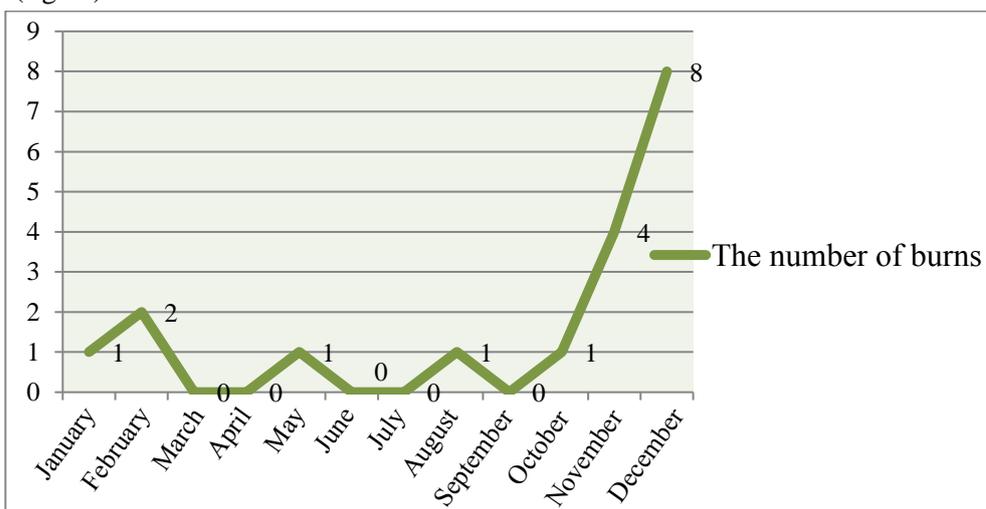
(fig. 3.)



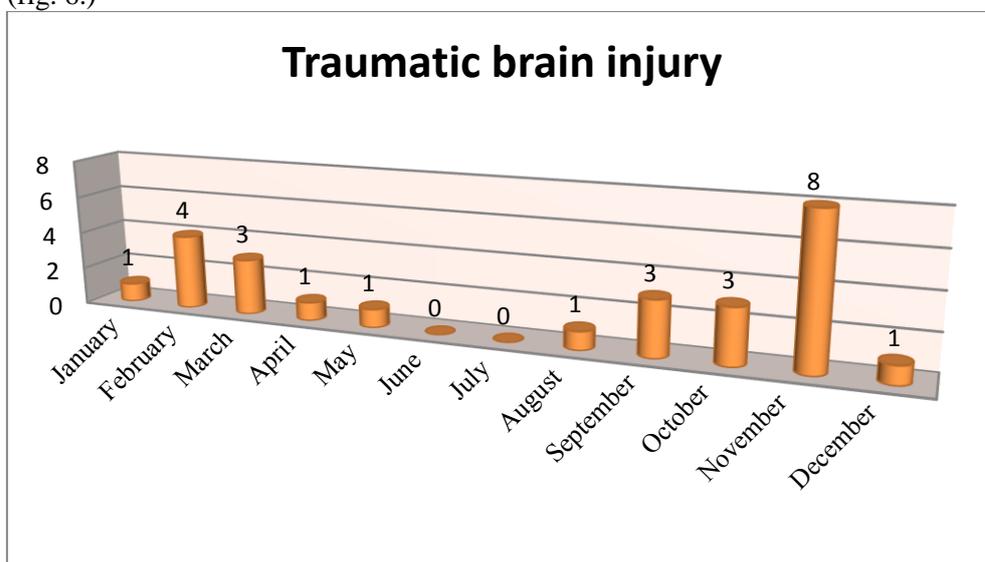
(fig. 4.)



(fig. 5.)



(fig. 6.)



We have investigated and identified 10 deaths from cardiovascular accidents based on the materials of forensic medical examinations.

It should be noted that high rates of deaths occurred from hanging, ischemic heart disease and drowning, which indicates the significant relevance of studying suicides, morphology and

pathogenesis of these groups of injuries. Materials that emphasize the importance of the industry - both in the judicial and healthcare systems - help medical students and clinicians make informed choices in the field of forensic medicine.

### Findings

1. In general, the work of the structural divisions of the Bukhara Regional Bureau of Forensic Medicine is systematically monitored. During the indicated period of time, work is proceeding at a consistently satisfactory level, with a noticeable tendency to improvement in recent years. The deadlines for the completion of expert studies have been significantly reduced, laboratory research objects are delivered on time, according to the approved schedule, there is an alternative way of delivery of biological objects and correspondence. The office work and labor discipline in the department has noticeably improved.
2. Constant cooperation with law enforcement agencies, healthcare, high-quality and conscientious performance of their official and official duties speaks of the high professionalism of the department employees. In general, the material and technical equipment, the staff of the department, fruitful interdepartmental cooperation, allow to carry out expert research of any complexity in the shortest possible time at a high professional level.

3. In addition, it is worth noting that it is necessary to strengthen scientific and practical ties with the leading departments of pathological anatomy and forensic medicine, with the aim of the possible creation of a

scientific school of pathomorphologists and forensic experts of the Bukhara region in the future, together with leading specialists in the field of forensic medicine of our country ...

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