



PREVALENCE AND EPIDEMIOLOGY OF MAMMARY CANCER IN BUKHARA REGION

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Annotation

This article provides information on the prevalence and epidemiology of mammary cancer in the Bukhara region. The data was taken on the contingent of patients with malignant neoplasms of the mammary registered in oncological institutions of the Bukhara region in 2021.

Keywords: malignant neoplasms, mammary, cancer, epidemiology.

РАСПРОСТРАНЕННОСТЬ И ЭПИДЕМИОЛОГИЯ РАКА МОЛОЧНОЙ ЖЕЛЕЗЫ В БУХАРСКОЙ ОБЛАСТИ

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Аннотация.

В этой статье представлена информация о распространенности и эпидемиологии рака молочной железы в Бухарской области. Данные взяты о контингенте больных злокачественных новообразований молочной железы, состоящих на учете в онкологических учреждениях Бухарской области в 2021 году.

Ключевые слова: злокачественные новообразования, молочная железа, рак, эпидемиология.

БУХОРО ВИЛОЯТИДА СУТ БЕЗИ САРАТОНИНГ ТАРҚАЛИШИ ВА EPIDEMIOLOGIYASI

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Annotatsiya

Ushbu maqolada Buxoro viloyatida sut bezi saratonining tarqalishi va epidemiologiyasi haqida ma'lumot berilgan. 2021-yilda Buxoro viloyati onkologiya



muassasalarida ro'yxatga olingan sut bezining xavfli o'smalari bilan kasallangan bemorlar kontingenti to'g'risida ma'lumotlar olindi.

Kalit so'zlar: xavfli o'smalar, bezi, saraton, epidemiologiya.

Relevance

According to the WHO, mammary cancer is the most common type of cancer, with over 2.2 million cases reported in 2020. During her lifetime, approximately one in twelfth women will experience mammary cancer. Breast cancer is the leading cause of cancer death in women. In 2020, approximately 685,000 women died from this disease. Most breast cancer cases and deaths occur in low- and middle-income countries [WHO, 2021].

Breast cancer occurs in the lining cells (epithelium) of the milk ducts (85%) or lobules (15%) of the glandular breast tissue. Initially, tumor growth is limited to the duct or lobule (preinvasive cancer, "cancer in situ" - in situ), where it does not cause any symptoms and has minimal potential for the formation of secondary foci of tumor growth (metastasis).

Over time, these pre-invasive malignancies (stage 0 or cancer in situ) can grow and invade more breast tissue (invasive breast cancer) and then spread to nearby lymph nodes (regional metastasis) and to other organs (distant metastasis).). If a woman dies from breast cancer, then this is due to extensive metastasis.

About half of the cases of breast cancer occur in women who do not have any identifiable risk factor for developing breast cancer other than gender (female) and age (over 40). Some factors increase the risk of developing breast cancer, such as increased age, obesity, harmful use of alcohol, family history of breast cancer, previous exposure to radiation, reproductive history (such as age of onset of menses and age of first pregnancy), tobacco use and hormone therapy in the postmenopausal period.

Triggers for the development of breast cancer in 2022 are: age over 45 years old, heredity, genetic mutations, hormonal imbalance, long-term use of hormone replacement therapy, high density of breast tissue, late first birth and early menarche (first menstrual cycle), excessive drinking, frequent radiation exposure and living in unfavorable environmental conditions. Usually there is a complex influence of 2-3 factors.

In 2021, the European Cancer Organization launched the Time to Act campaign to galvanize the general public, patients, healthcare professionals and government officials to take action to close the gaps in cancer care and delays caused by the



COVID-19 pandemic. According to the organization, in 2020, such delays affected every second patient in Europe, by October 2021, up to 20% of patients still face them. According to Professor M.N. Tillyashaykhova, in the Republic of Uzbekistan at the end of 2021, 113168 (in 2020 - 107196) patients were registered in oncological institutions, i.e. 0.3% of the country's population. In 2021, 45111 (39.9%) patients with MN were registered in the dispensary for 5 years or more (in 2020 - 39.4%).

Information on the contingent of patients with malignant neoplasms of the mammary registered in oncological institutions of the Bukhara region in 2021

Abs.number of detected cases	Per 100,000 population	Actively detected (%)	Diagnosis confirmed morphologically (%)	1-year mortality (%)
327	16,8	45,6	93,0	7,1

Distribution by disease stages (%)

I	II	III	IV	Registered at the end of the year (total)		
				Absolute number	Per 100,000 population	Of which 5 years or more (%)
7,0	60,2	18,0	14,7	1884	96,8	46,1

Information about patients who died from malignant neoplasms of the mammary in the Bukhara region in 2021

Absolute number	men	women	Total	Rate per 100,000 population.
	1	72	73	7,5

Oncological incidence of the mammary cancer in the population of the Republic of Uzbekistan for 2015-2021 (per 100,000 population)

	years													
	2015		2016		2017		2018		2019		2020		2021	
	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop	Abs. number	per 100,000 pop
Total MN	17980	56.9	17517	54.54	17737	54.8	18692	56.7	20140	60.6	20861	615	22443	64.9



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