

Epidemiology of neuroendocrine tumors (NETs) and socio-clinical profile of patients according to data from the National Cancer Registry and the Federal Patient Registry of the MOLNEO Medical Society for Treatment of Neuroendocrine Tumor

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Received Date: 02 March 2023 | **Accepted Date:** 17 March 2023 | **Published Date:** 22 March 2023

Citation: Yastrebova E. S, Prostov M.Yu, Komarova L.E, Gurevich L.E, Gorbounova V.A (2023), Epidemiology of neuroendocrine tumors (NETs) and socio-clinical profile of patients according to data from the National Cancer Registry and the Federal Patient Registry of the MOLNEO Medical Society for Treatment of Neuroendocrine Tumor. *J. Endocrinology and Disorders*. 7(2): DOI:10.31579/2640-1045/130

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This article contains the latest epidemiological data on the incidence of NETs in the Russian Federation

It is well known that the incidence of NETs significantly exceeds the increase in the incidence of all other malignant tumors. Since the International statistical classification of diseases 10 does not contain a separate column for NEN, data collection is difficult and it has been done selectively for each nosology or by collecting information by regions. It is all the more remarkable that this article contains information obtained by these two methods: the first is information from the State Register; the second is the register of the medical society for the treatment of NETs named MOLNEO.

The authors emphasize a significant increase in the incidence of NETs in Russia.

From the first - State Register (National Cancer Registry) it became known that during the period from 2010 to 2019 the number of patients with malignant tumors has increased by 40.6%, for the same period of time, the population of patients with NETs increased by 83.9%. According to data from the National Cancer Registry, the incidence of NETs in the general population has been increasing more rapidly in the recent years. During the last decades, the number of newly identified cases of NET increased from 0.03 cases registered in 2001 to 5.19 cases in 2019 per 100,000 population.

This fact can be explained by improved diagnostics, increased interest and knowledge on this issue, as well as a real increase in the incidence. It is noteworthy that the data given in the article is comparable with the data published according to statistics of ENETS. So, for example, in the MOLNEO register gastroenteropancreatic neuroendocrine tumors (GEP NETs) are the most common tumors among NETs accounting for 60.8%; other than GEP NETs make up 39.2%; the percentage of pulmonary NETs is 27.1% or 69% from other than GEP NETs. According to ENETS there are similar results: GEP NETs – 60.52%; other – 39.48%, 69% of which are the tumors of respiratory organs. However pancreatic NETs are much more common in Russia compared to European data: 43.4% from all GEP NETs, in Europe – 26.3%.

The article provides detailed data on the frequency of functioning and non-functioning tumors, syndromes, grade, characteristics by gender, race, age, smoking factor, treatment.

The article may be of interest to endocrinologists, oncologists, gastroenterologists and other specialists dealing with the problem of NETs treatment.



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DOI: [10.31579/2640-1045/130](https://doi.org/10.31579/2640-1045/130)

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