

The Present State of Nuclear Medicine Practice in Japan

- A Report of the 9th Nationwide Survey in 2022 - *

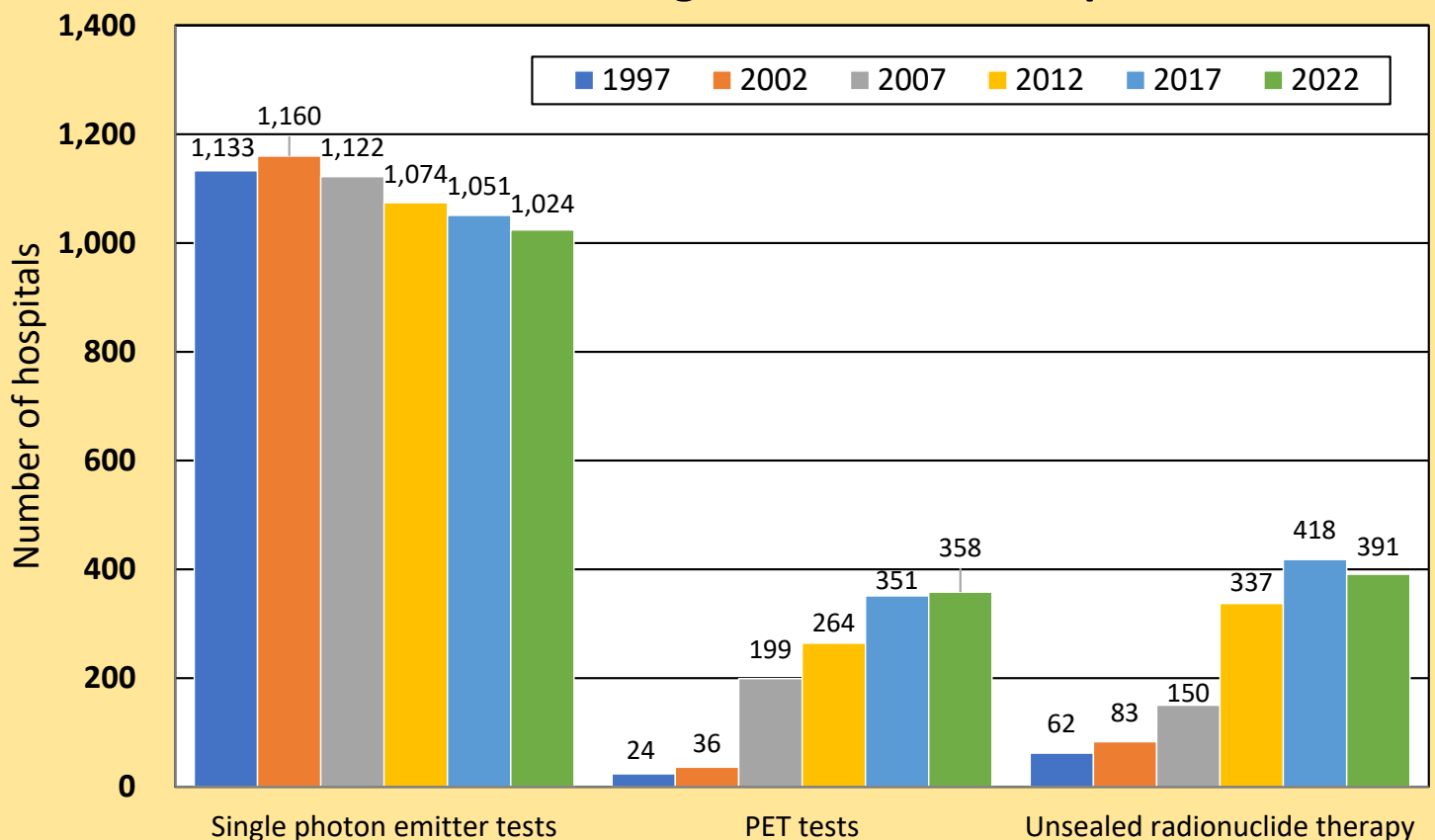
The Subcommittee of Japan Radioisotope Association on Survey of Nuclear Medicine Practice in Japan has performed a nationwide questionnaire survey every five years since 1982. The latest questionnaire survey was performed in June 2022, resulting in more than 90% response.

The estimated total number of examinations using single photon emitters increased by 2.7%, whereas the number of PET examinations decreased by 1.5% as compared to the survey in 2017. As a result, the total nuclear medicine examinations increased by 1.0%. Unsealed radionuclide therapy was newly initiated for treatment of pheochromocytoma / paraganglioma with ^{131}I -MIBG and neuroendocrine tumors with ^{177}Lu -oxodotreotide, while treatments with ^{223}Ra and ^{131}I decreased and some products were discontinued. Therefore, the total number of unsealed radionuclide therapy decreased by 17.7%. The total number of nuclear medicine examinations did not change much, but unsealed radionuclide therapy showed significant changes.

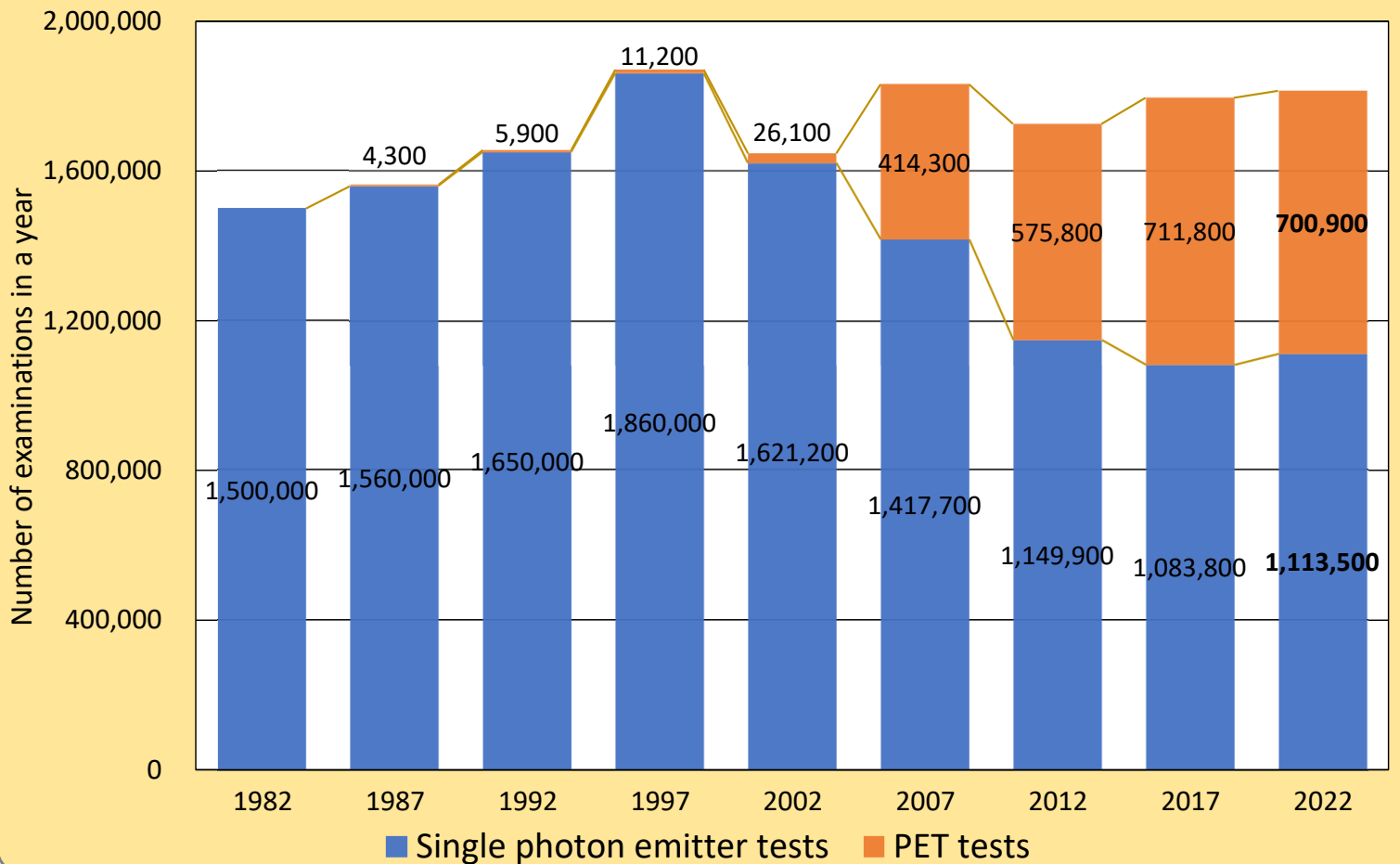
* **RADIOISOTOPES**, 72, 49–100 (2023) (in Japanese with English abstract)
A report in English will be published in **Annals of Nuclear Medicine** by spring 2024.



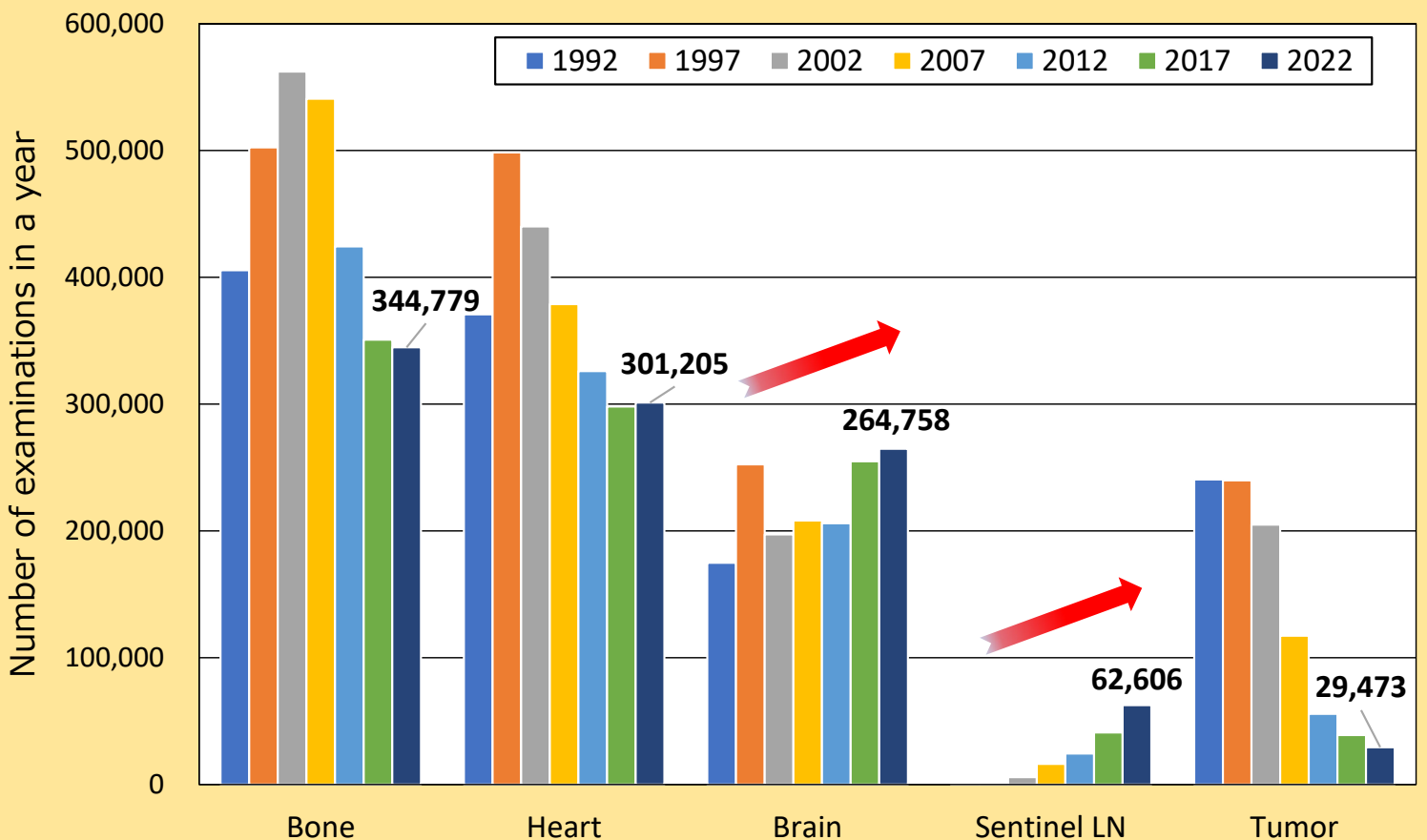
Institutions conducting nuclear medicine practice



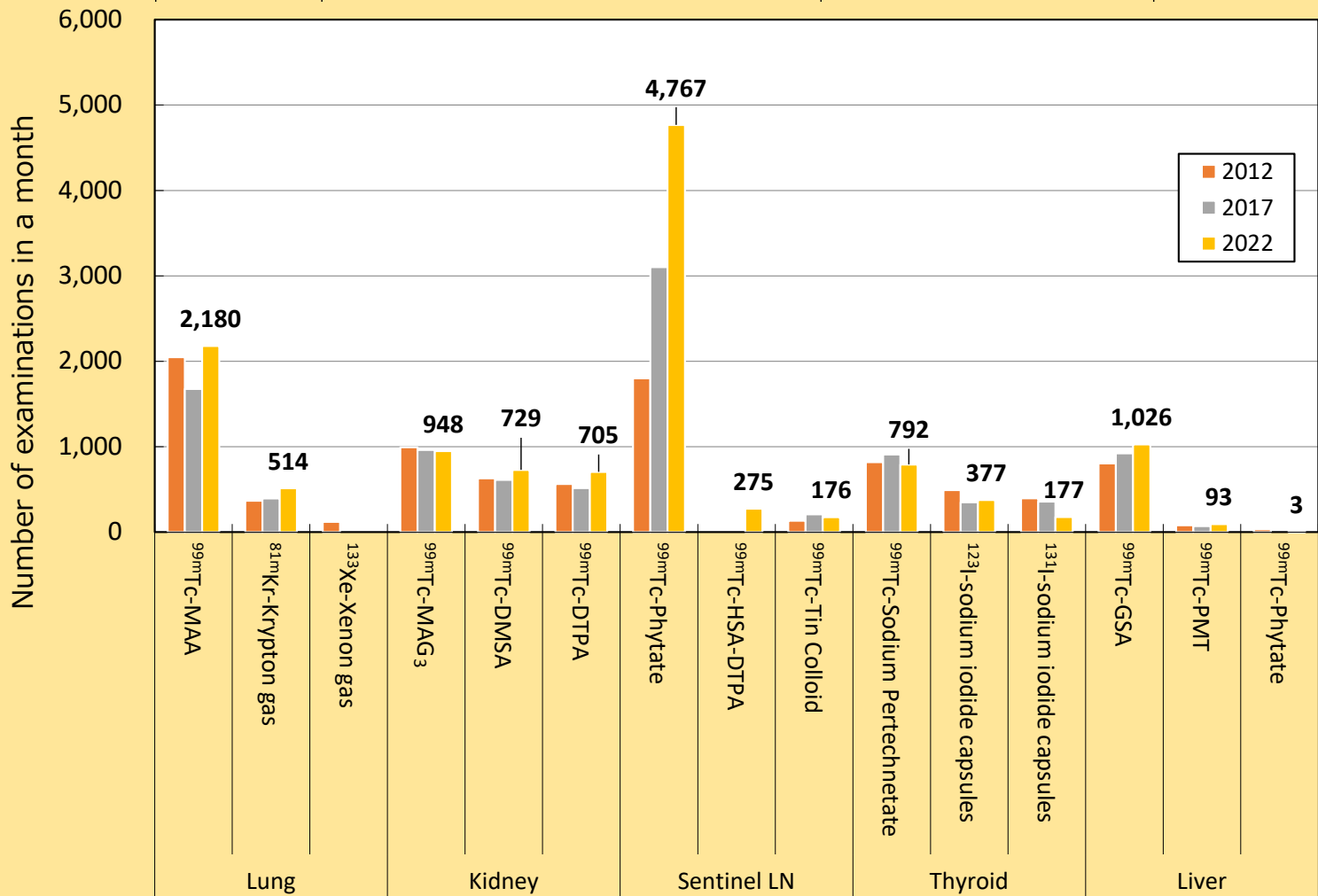
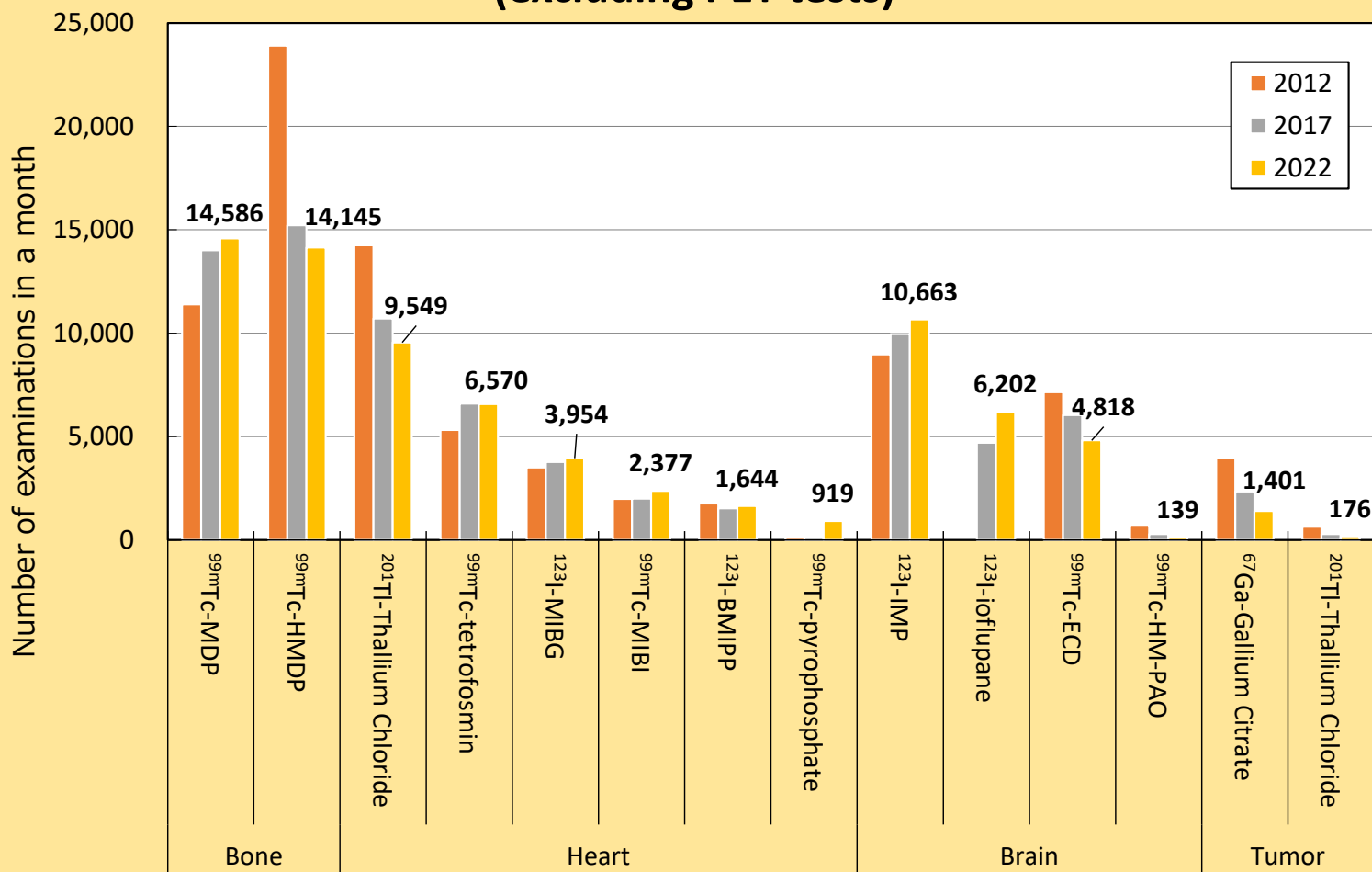
Number of single photon emitter tests and PET tests (Estimated number of examinations in a year)



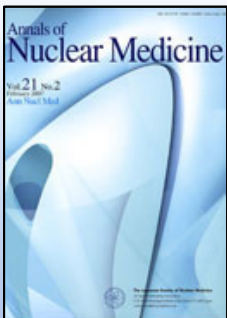
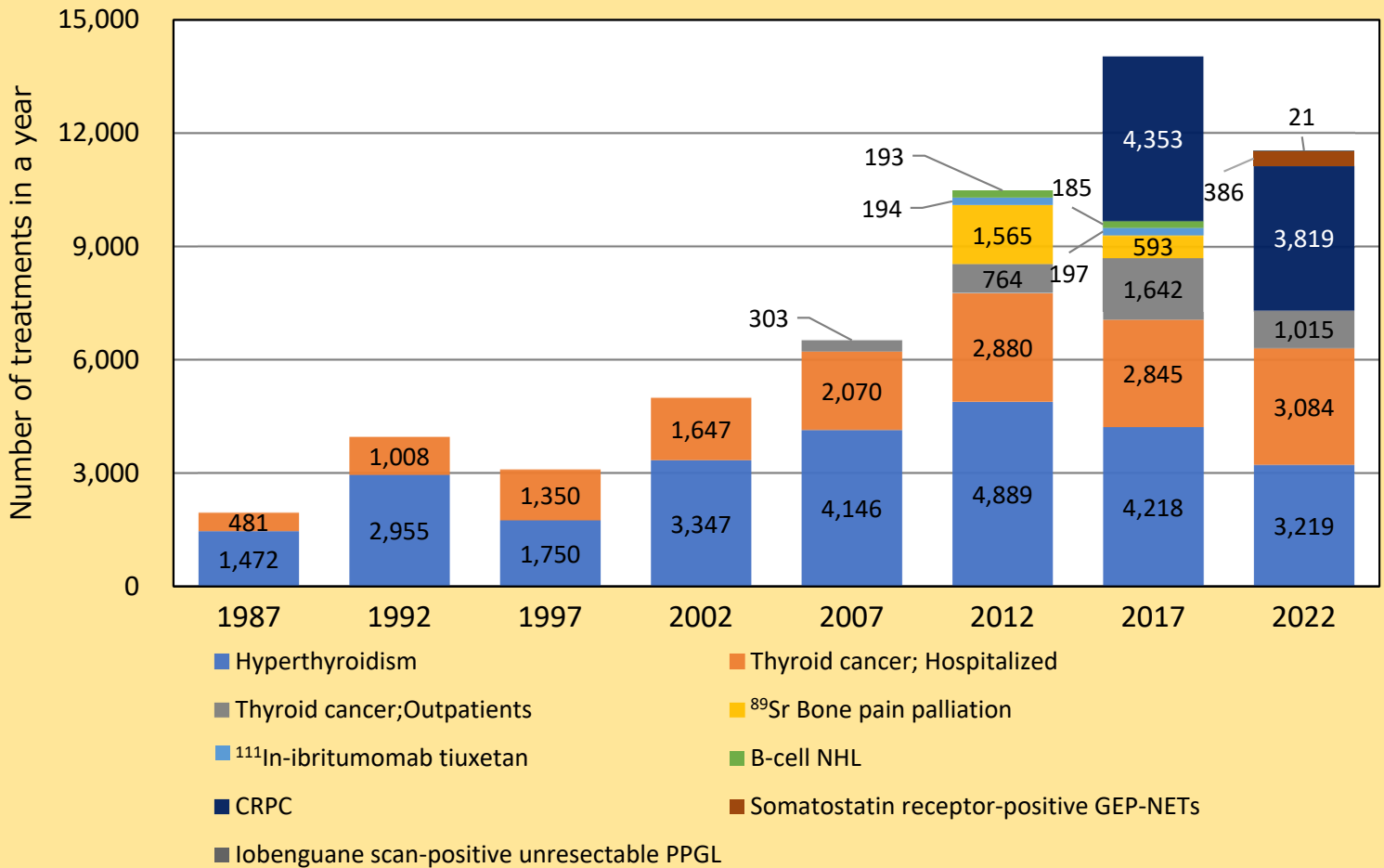
Number of single photon emitter tests by categories (Estimated number of examinations in a year)



Common radiopharmaceuticals in each category in a month (excluding PET tests)



Number of unsealed radionuclide therapy (Number of treatments in a year)



Annals of Nuclear Medicine

Annals of Nuclear Medicine is an official journal of the Japanese Society of Nuclear Medicine. It develops the appropriate application of radioactive substances and stable nuclides in the field of medicine. The journal promotes the exchange of ideas and information and research in nuclear medicine and includes the medical application of radionuclides and related subjects. It presents original articles, short communications, reviews and letters to the editor.



Past reports of this Survey are available in below journals.

- **Annals of Nuclear Medicine** (2002-)
- **RADIOISOTOPES** (1982-) (in Japanese)

RADIOISOTOPES

RADIOISOTOPES has been published by Japan Radioisotope Association (JRIA) since 1952 and renewed as an online, open-access, peer-reviewed journal in 2022.

The journal accepts manuscripts from a wide range of research areas related to radioisotopes, stable isotopes, and radiation, as various manuscript types such as articles, reviews, notes, reports, and commentaries.

