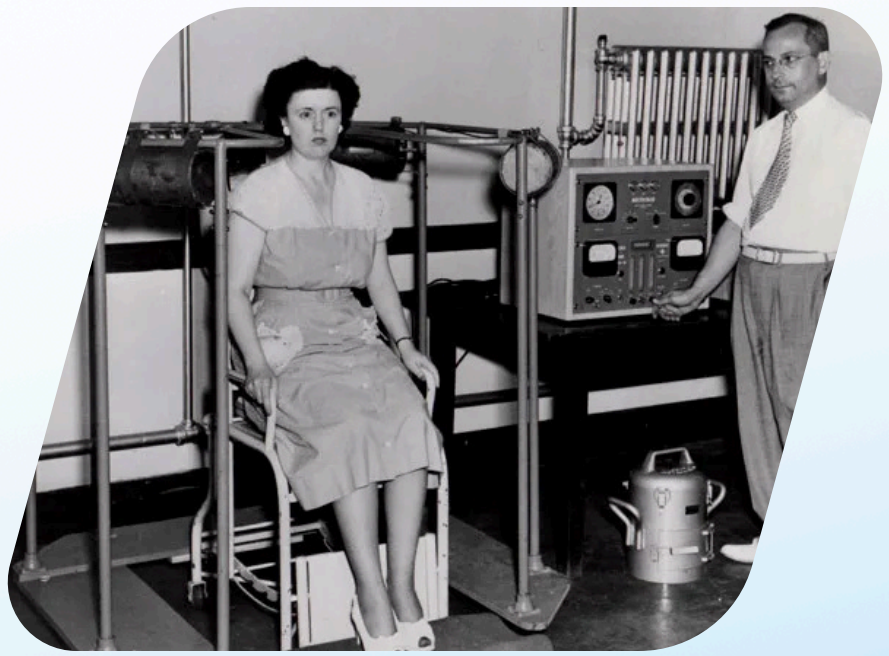
WORLD **RADIOTHERANOSTICS** DAY
March 31st 2026

Celebrating more than 85 years of innovation in nuclear medicine.

In **1941**, physician **Saul Hertz,** used **radioactive iodine to treat thyroid** disease, **marking the first radiotheranostic treatment**.

This discovery introduced a new idea: **using the same radioactive molecule to** both **detect and treat disease**, a principle still used in radiotheranostics today.



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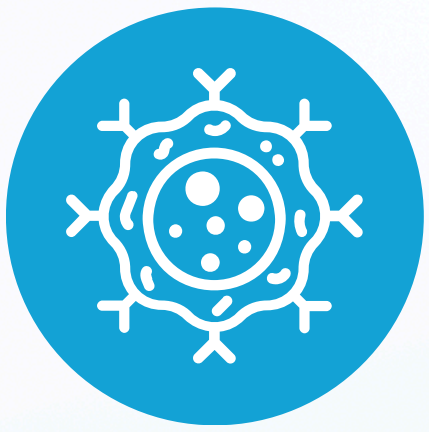
Radiotheranostics: Targeting Cancer, Expanding Possibilities

Today, radiotheranostics helps treat cancers such as **prostate cancer and neuroendocrine tumors**, with **new therapies continuing to emerge**.

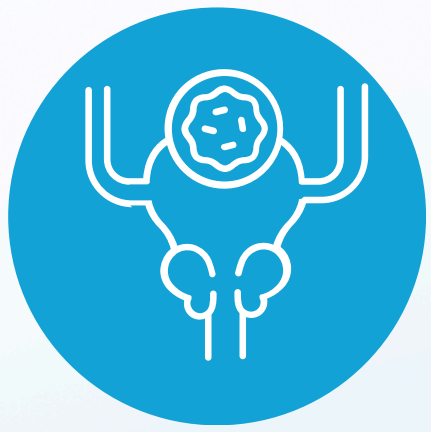
First patients treated with radiotheranostics:

2000



in NETs
(Lu-177 DOTATATE)

2011



in Prostate Cancer
(Lu-177 PSMA)

Sources: Kwekkeboom et al. Journal of Clinical Oncology 2008
& Kratochwil et al. Journal of Nuclear Medicine 2015

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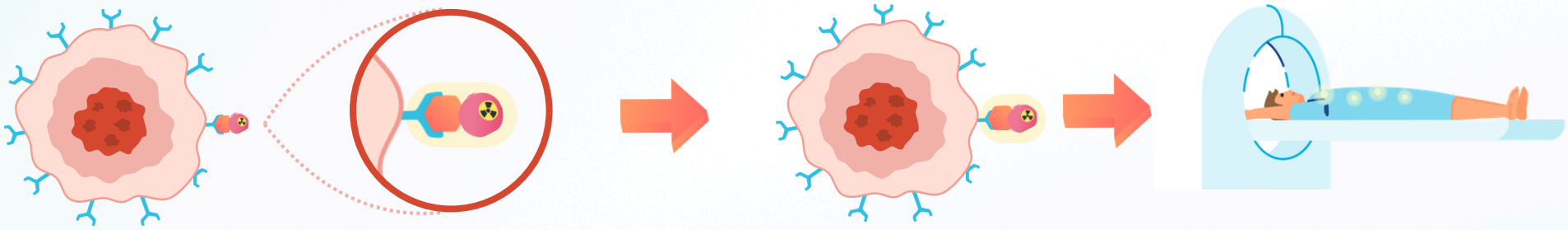
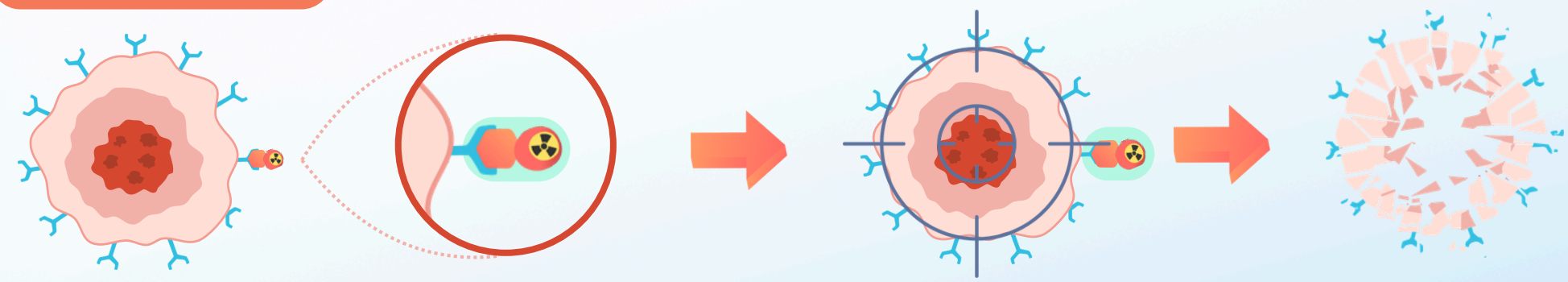
The Principle: See it. Treat it.

Radiotheranostics is based on a simple but powerful principle: **using a molecular target to first detect disease and then deliver treatment.**

See it.



Treat it.



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A growing field in cancer care.

Researchers and clinicians around the world are **working to expand access to radiotheranostics** and bring these therapies to more patients.

Today, **around 2,000 clinical trials worldwide are investigating radiopharmaceuticals and radiotheranostics**, highlighting the rapid growth of this field in nuclear medicine.