



WORLD RADIOTHERANOSTICS DAY

March 31st 2026

Celebrating more than 80 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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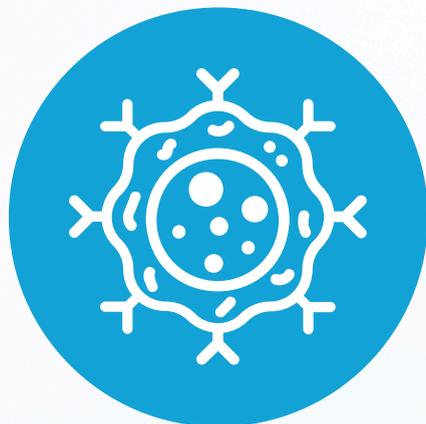
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Radiotheranostics: Targeting Cancer, Expanding Possibilities

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

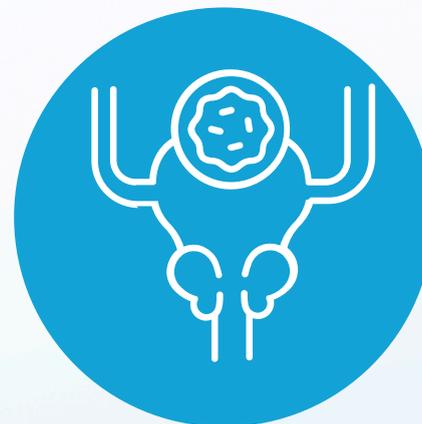
First patients treated with radiotheranostics:

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



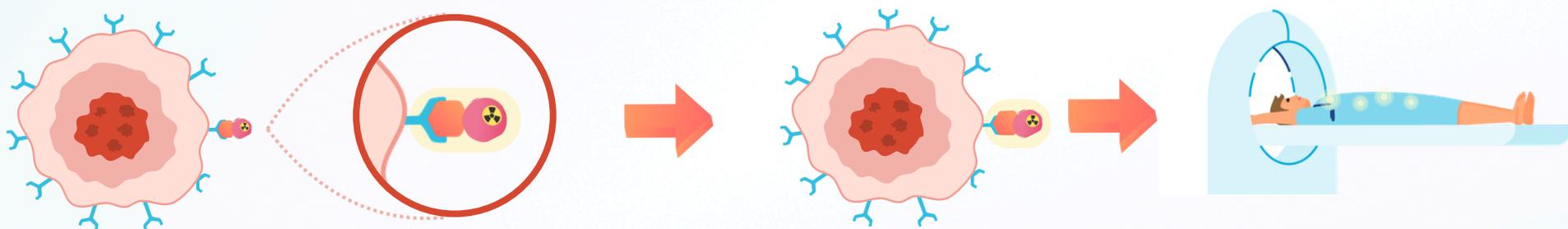
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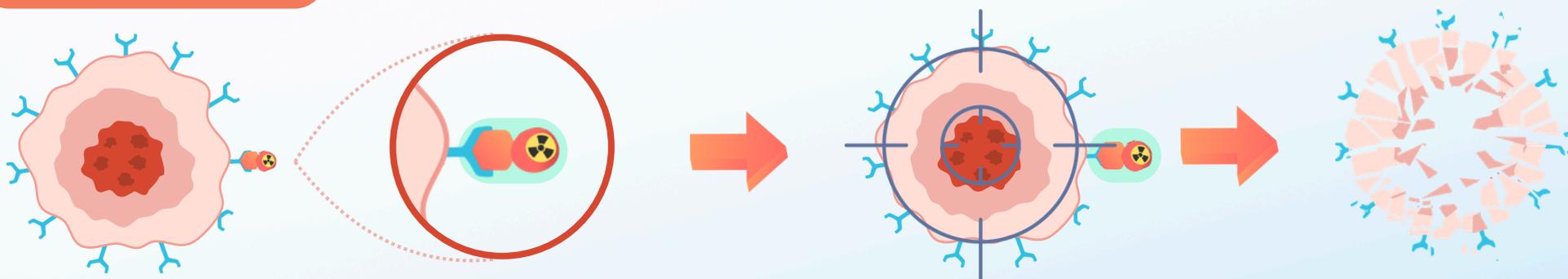
The Principle: See it. Treat it.

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.

