



Enhancing access to medical uses of radiation globally safely and securely

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IRSN







Medical uses of IR are of key importance for cancer treatment

one mean joals











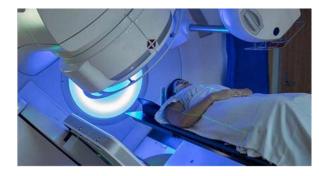


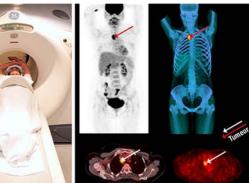
SCIENTIFIC FOR HEALTH

Major progress this last decade in the fight against solo of cancer patient require cancer

19.3M

new cases of cancer diagnosed each year worldwide (2020)





50% survival at 5 years and 38% are cured

Tackling the burden of cancer requires :

- a multi-sectoral, multidisciplinary approach,
- an equal access to medical uses of radiation globally safely and securely is central.



Principle of Patient Radiation Protection:

The Two Pillars







JUSTIFICATION

OPTIMISATION

LIMITATION



Stakes for radio-oncology

- Complex sociotechnical system
- Risk: technologies, organization, procedures, professional

Defence in depth in medical radiation protection for a safely and securely use of IR

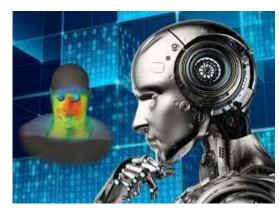
- Anticipate new technologies
- Assess the risk
 Experience feedback, epidemiology survey
- Face unexpected situation



Emerging issues according to medical challenges in relation with risks

Participatory Medicine: Risk perception and communication to the patient.





Equality access of care and dissemination of techniques: IAEA initiative "Rays of Hope"







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