

# Radiation Therapy word find



- Name the Brachytherapy system specifically developed for use with iridium wire after-loading techniques.  
**PARIS**
- What is the common name given to the technique where small opposing lateral beams are used to treat T1 larynx tumours?  
**POSTAGE STAMP**
- Useful in plan evaluation, this tool summarises graphically the 3D dose distribution information into a single curve for a each structure of interest. **DVH**
- The P+ is one model used for predicting the probability of **UNCOMPLICATED** disease control.
- Shielding blocks, wedges and compensators are all examples of early methods of this increasingly common approach to radiation therapy. **IMRT**
- The Gill-Thomas-Cosman and the Brown-Robert-Wells systems are examples of localisation devices for what type of radiation therapy treatment? **STEROTACTIC**
- Name the genes found in an abnormally expressed form in many human cancers. **ONCOGENES**
- The **EWINGS** sarcoma is one of the most common bone tumours in young people and generally presents as painful swelling.
- HYPERFRACTIONATION** is the name of the fractionation strategy where multiple fractions are delivered daily within the same overall treatment time as for conventional fractionation.
- The advantages of this type of radiation therapy treatment include high skin dose, rapid dose fall off, simple shielding and good dose distribution for small fields. **SXRT**
- The **ICRU** is the international organisation responsible for developing recommendations for the delineation of volumes important in 3D radiation therapy planning, including the GTV, CTV & PTV
- The **INVERTED Y** technique commonly used for irradiation of the infradiaphragmatic lymphatics.
- In this form of radiation therapy, diseased tissues are surgically exposed and treated selectively to reduce morbidity to normal tissues. **IORT**
- BREMSSTRAHLUNG** radiation is produced as a result of inelastic collisions between high-speed electrons and a nucleus.
- This benign condition of the eye is effectively treated with surgery and prophylactic irradiation with beta particles.  
**PTERYGIUM**
- Name the computer simulation used for radiation dose calculation where individual electron paths are randomly generated to model theoretical scattering cross-sections. **MONTE CARLO**
- Kilovoltage imaging and cone beam CT are commonly used for position verification in **IGRT**.
- Name the radiation therapy technique used to induce immunosuppression prior to bone marrow transplantation. **TBI**

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19. What general name is given to beam modifiers such as wax, gelatine flab, wet cotton wool and metal foils? **BOLUS**
20. **REOXYGENATION** is the process by which cells that are hypoxic at the time of irradiation become subsequently oxygenated.