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## DAFTAR ISTILAH

IMRT (Intensity-Modulated Radiation Therapy):	:Terapi radiasi dengan intensitas termodulasi yang memungkinkan penyampaian dosis radiasi yang tepat ke tumor dengan meminimalkan dosis ke jaringan sehat di sekitarnya.
PTV (Planning Target Volume)	:Volume target perencanaan yang mencakup tumor serta margin untuk mengatasi ketidakpastian dalam penempatan pasien dan pergerakan organ.
GTV (Gross Tumor Volume)	:Volume tumor kasar yang terlihat berdasarkan pencitraan medis seperti CT, MRI, atau PET scan.
CTV (Clinical Target Volume)	:Volume klinis target yang mencakup GTV dan daerah potensial penyebaran mikroskopis penyakit.
OAR (Organ At Risk)	:Organ-organ kritis di sekitar target yang harus dilindungi dari dosis radiasi tinggi, seperti sumsum tulang belakang, jantung, dan paru-paru.
DVH (Dose-Volume Histogram)	:Grafik yang menunjukkan distribusi dosis dalam volume target dan organ kritis, membantu dalam evaluasi dan perbandingan rencana perawatan.
SSD (Source to Surface Distance):	:Jarak antara sumber radiasi dan permukaan kulit pasien.
TPS (Treatment Planning System)	:Sistem komputer yang digunakan untuk merencanakan dan mengoptimalkan distribusi dosis radiasi.
Linac (Linear Accelerator)	:Alat yang digunakan dalam terapi radiasi untuk mengobati kanker.
Silicone Rubber	:Bahan elastomer yang terbuat dari silikon, yang merupakan polimer yang mengandung silikon bersama dengan karbon, hidrogen, dan oksigen.
QUANTEC (Quantitative Analyses of Normal Tissue Effects in the	:Sebuah inisiatif yang bertujuan untuk memberikan panduan mengenai dosis radiasi

Clinic)

yang aman dan toleransi dari jaringan normal selama terapi radiasi.

### **ARTI LAMBANG DAN SINGKATAN**

1.  $D$  : Dosis serap (Gy)
2.  $\epsilon$  : Energi yang diserap (Joule)
3.  $m$  : Massa materi (Kg)
4.  $C_I$  : Conformity Index (Indeks Keseragaman)
5.  $V_{Tpres}$  : Volume of Target Prescribed (Volume Target yang Diresepkan)
6.  $V_{PTV}$  : Volume of Planning Target Volume (Volume Target Perencanaan)

7.  $D_Q$  : Dosis radiasi pada kedalaman Q
8.  $D_P$  : Dosis radiasi pada permukaan (atau titik referensi lainnya).