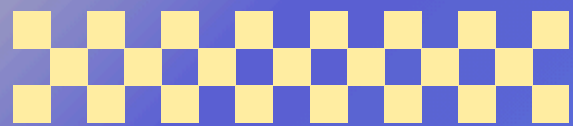


SPATIALLY FRACTIONATED RADIATION THERAPY

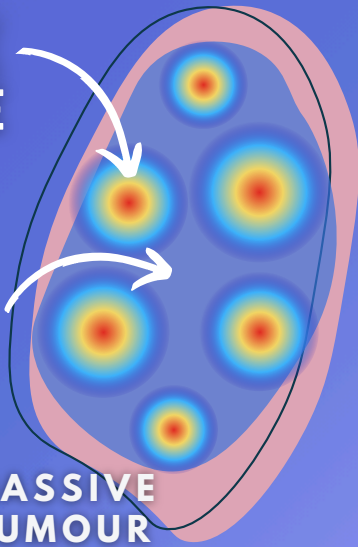


SUITABLE FOR BULKY TUMOUR

RED ZONE
PEAK
HIGH DOSE

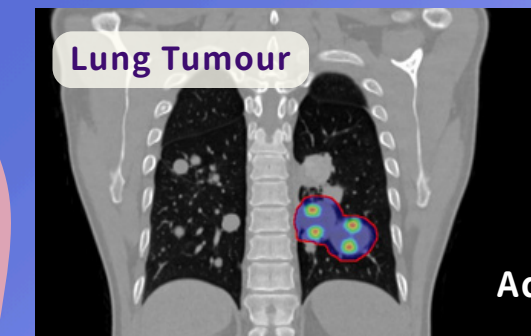
BLUE ZONE
VALLEY
LOW DOSE

MASSIVE
TUMOUR

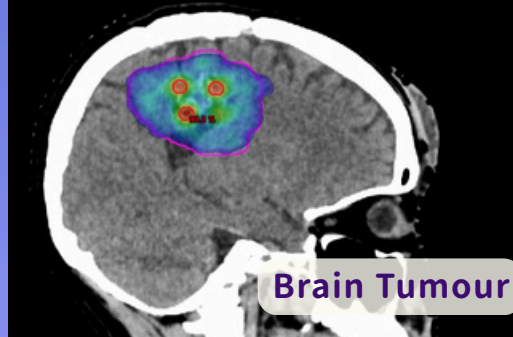


Spatially Fractionated Radiotherapy (SFRT) is designed specifically for large and bulky tumours. Unlike conventional uniform doses, SFRT strategically creates a highly inhomogeneous dose distribution within the tumour: high-dose “peaks” and low-dose “valleys.” This promotes rapid tumour shrinkage and significantly alleviates symptoms.

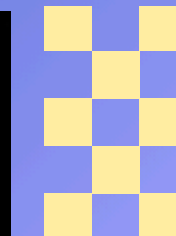
Our centre combined SFRT with Volumetric Modulated Arc Therapy (VMAT) to flexibly control the radiation beam shapes thereby reducing radiation dose to surrounding healthy tissues, offering a new treatment option.



Lung Tumour



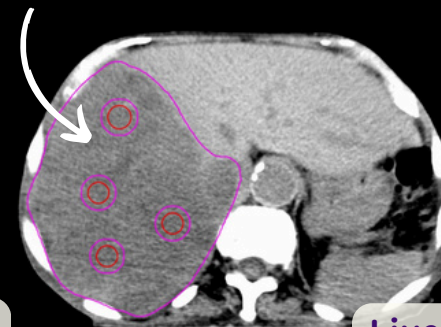
Brain Tumour



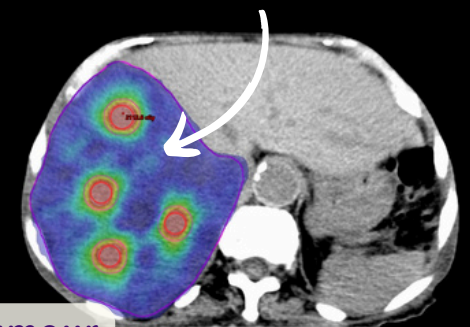
SFRT ADVANTAGES

- ▶ Significant regression of bulky tumour
- ▶ Reduce radiation-induced toxicity;
- ▶ Superior dose sparing to healthy tissue;
- ▶ Overcome hypoxic tumour radio-resistance;
- ▶ Activate the immune system to attack distal metastasis
- ▶ Trigger chain-reaction of cancer cell death
- ▶ Selective vascular destruction;

Advanced Bulky Tumour



Highly inhomogeneous
dose distribution



Liver Tumour

3.8_Jul26



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