

Registration, the last step in the treatment chain

Sara Samiee MD FRCPC
PARDISNOOR IMAGING
AND CANCER CENTER



- A chain is as strong as it's weakest link.
- Radiation treatment is series of action. One could say such as a chain.
- Performed by Physician, Physicist and Radiation Technician.
- From patient assessment, decision making, order the treatment, simulation, contouring, dose and tolerance prescription, physics tx planning, review, final decision, patient quality assurance, registration, treatment delivery.
 - All need to be done on a well checked machine with a standard quality assurance plan.

- This mean you need all your links as strong and never under estimate the role or importance of one.



Registration

- It is basically the action of adjusting two images:
 - CT-sim
 - CT acquired daily on the machine right before the treatment.
- It is mostly the responsibility of the RT under direct supervision of the physician and based on her/his detailed order.

Registration – Role of the physician

- When plan is finalized and you are all happy with the plan, one should think of the following:
 - What mis-registration would not I want to happen?
 - What would I want to necessarily happen?
 - How can I help RTs to for registration?
 - Give them a contour, organ

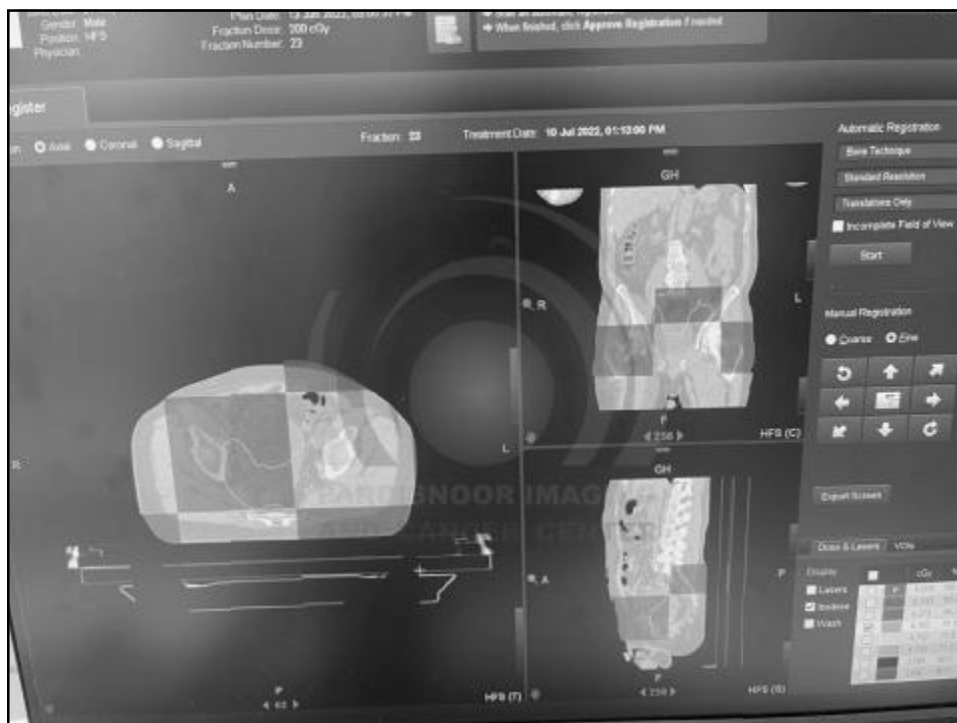
Give a step by step guide to your RTs

1. Bony Registration
 1. Spine
2. Turn on isodose 45Gy
 1. Make sure it is outside your SC
 2. or your bowels
3. Check the PTV drawn on CT-sim (multiple time)
 1. Find it on your CBCT and make sure it is covered
4. Check the bladder
5. Check the Rectum

Prostate Ca

- A volume of 60Gy in the pelvis
- Small Bowels
 - You have contoured, paid attention and planned.
 - But now you have to make sure this really happens.

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Thank you

