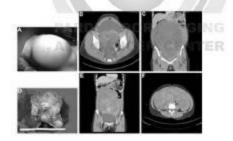


Pelvis Cancer

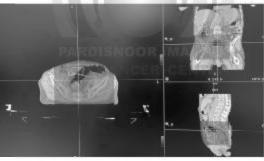
- ▶ Pelvic cancer refers to a variety of cancers involving the structures and organs in the pelvis.
- ▶ Your pelvic area is the lower portion of the trunk of your body
- ▶ It contains the pelvic bones, bladder, rectum, and reproductive organs.





What do we do

▶ We take CT image from the patient at the first of every single fraction of treatment then we compare it with our CT simulation image it have advantages and disadvantages for us.

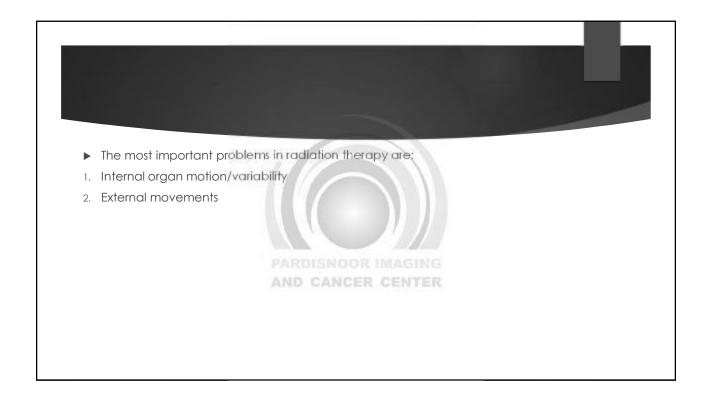


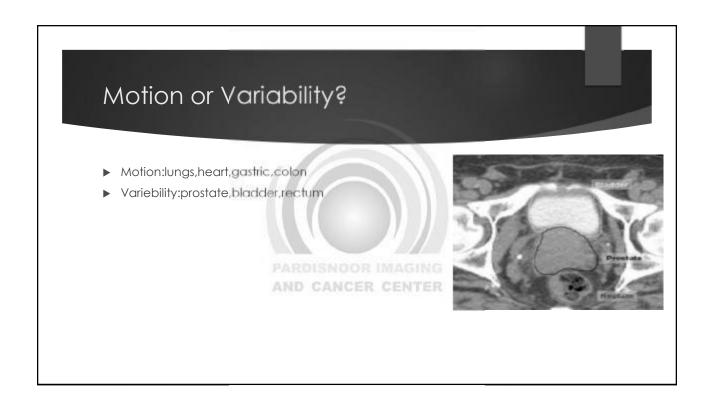
Daily Images and Registration Results

- ▶ Images were performed daily
- Registration is appropriateDaily shifts and X/Y/Z couch positionFor first fraction, it is common for oncologist to check daily MVCT registration results while patient is still on table
- More frequent checks for special cases or changing anatomyOncologist may review screenshots for subsequent fractions; review image on TDC if discrepancy is seen.



leview Registration task TDC home screen





Internal movements/variablities

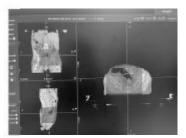
- 1. Bladder
- 2. Rectum
- 3. prostate
- 4. Head of femur

The preparations of bladder and rectum are based on protocols. Bladder: the patient drinks certain amount of water before

CT simulation and the patient should do this every fraction before treatment.

Rectum:empty

Head of femur:using knee rest and foot rest



- Despite using of IGRT, Markering and tatlooing on CT simulation are still important.
- With right markering on CT simulation we can control the external movements of the patient(pitch,roll,yaw)and also it can help us to make the patient lie straight on the couch.

PARDISNOOR IMAGING AND CANCER CENTER



