

## Patient Selection for Tomotherapy

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PARDISNOOR IMAGING AND CANCER CENTER

### Objectives



- At the end of this session we hopefully will be able to:
  - Have a fair understanding that when our patient absolutely or relatively benefits from complicated technique/ system
    - Select Tomo/ IMRT technique for our patients more effectively

# Advanced technique as a tool in our hand



- Radiation Oncologist Job
  - Cure
  - Palliate



# Advanced technique as a tool in our hand • Radiation Oncologist Job - Cure • Radical • Adjuvant • Neoadjuvant - Palliate

# Advanced technique as a tool in our hand



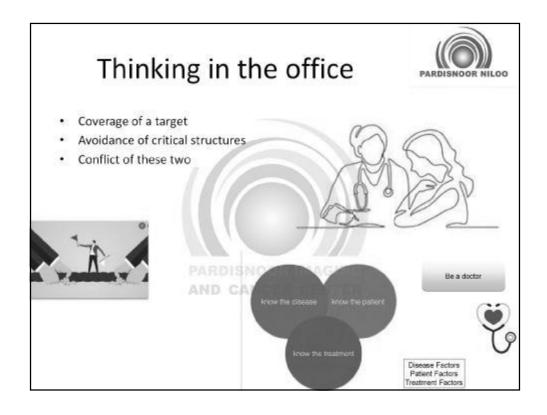
- · Radiation Oncologist Job
  - Cure
    - Radical Treatment
    - Head and Neck Cervix Sarcoma Brain Tumours Lung
    - Adjuvant
      - Breast Gastric Brain Tumours Sarcoma
    - Neoadjuvant
      - Rectum Esophagus
  - Palliate

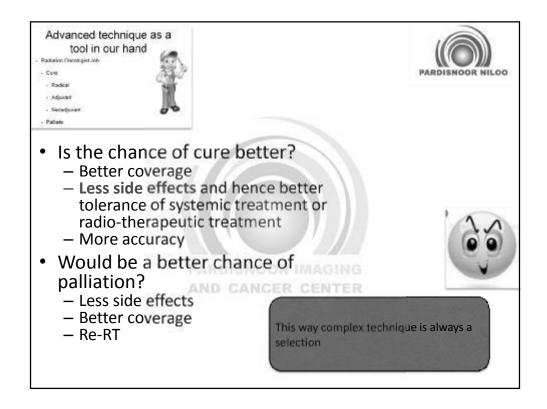
#### Advanced technique as a tool in our hand

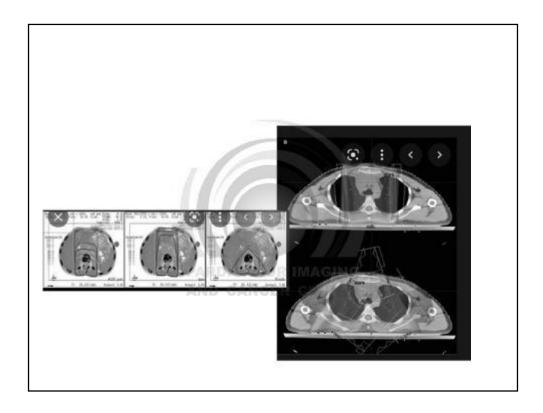
- Radiation Oncologist Job
  - Cure
    - Radical
    - Adjuvant
    - Neoadjuvant
  - Palliate
    - · Pain Bleeding Obstruction

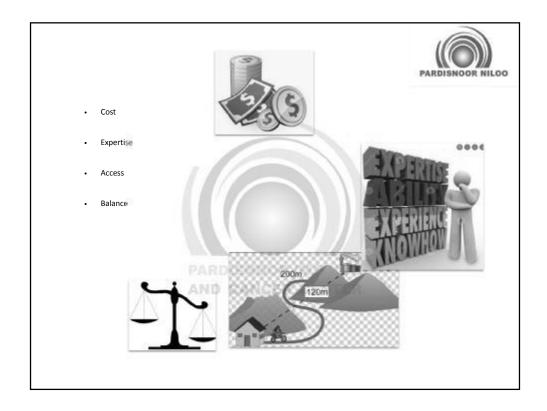


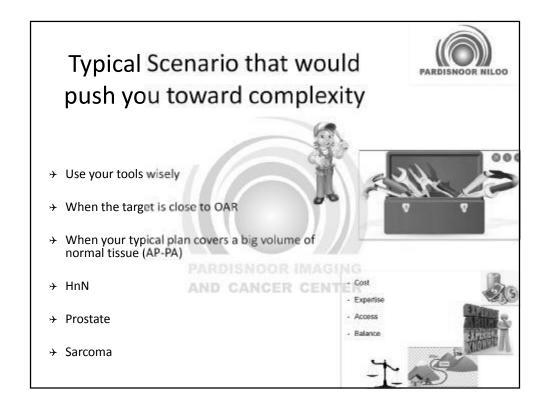
AND CANCER CENTER











#### Head and Neck



- A 58 year old male otherwise healthy
- · Presented with nasal voice
- Resection → ACC
- Re-resection with complete resection of nasal conchae → no residue
- · Referred for Adj RT

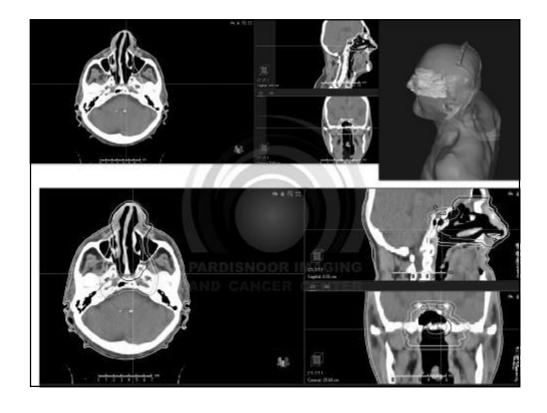


# Thought process to see if I should propose TOMO



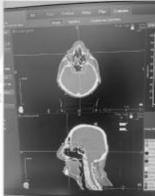
- · What is the potential volume?
  - I think of high grade salivary gland ca CTV
  - I know I have to go potentially to the skull base/ PPF
  - − I know my dose → 66Gy
  - Proximity to Chiasma (Tolerance 54)

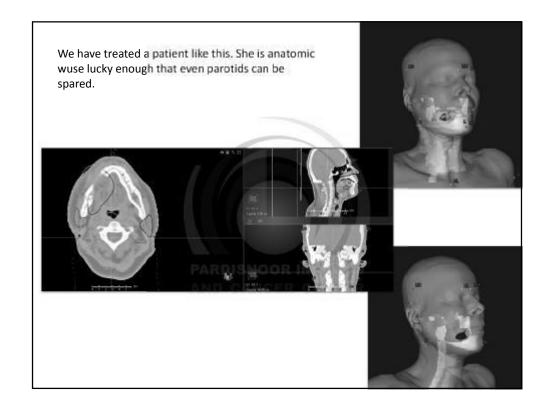
PARDISHOOR IMAGING AND CANCER CENTER

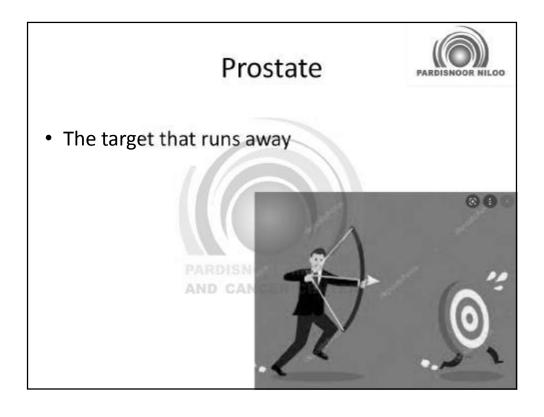


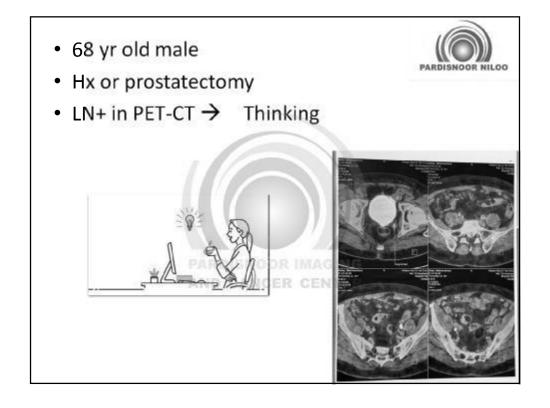
- One should have no shame to push for complexity, expenses and specialized referral.
- PARDISNOOR NILOO
- 66 & 54Gy / 33 simultaneous boost
- OC→ 52 (1%); BS → 48 (1%)

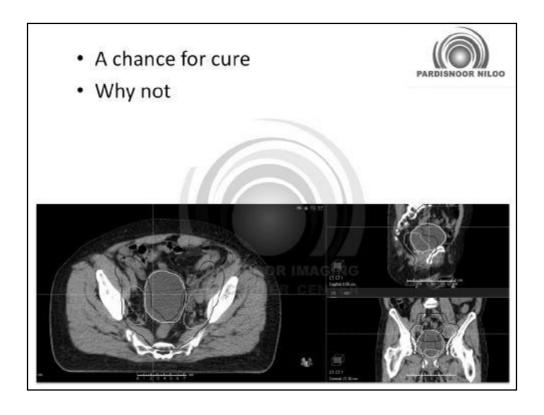


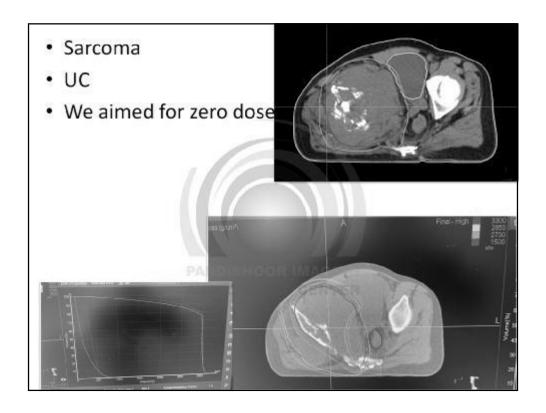












## Truly Palliative

- » 57 year old female
- » Pancreas locally advanced last year
  - » Borderline Unresectable
- » Treated with CRT
  - » Resectable!
- » No Residue
- » Now presents with cord compression at T11
- » Bowels
  - » 45Gy
- » Spinal Cord
  - » 35Gv

## It's tricky!

