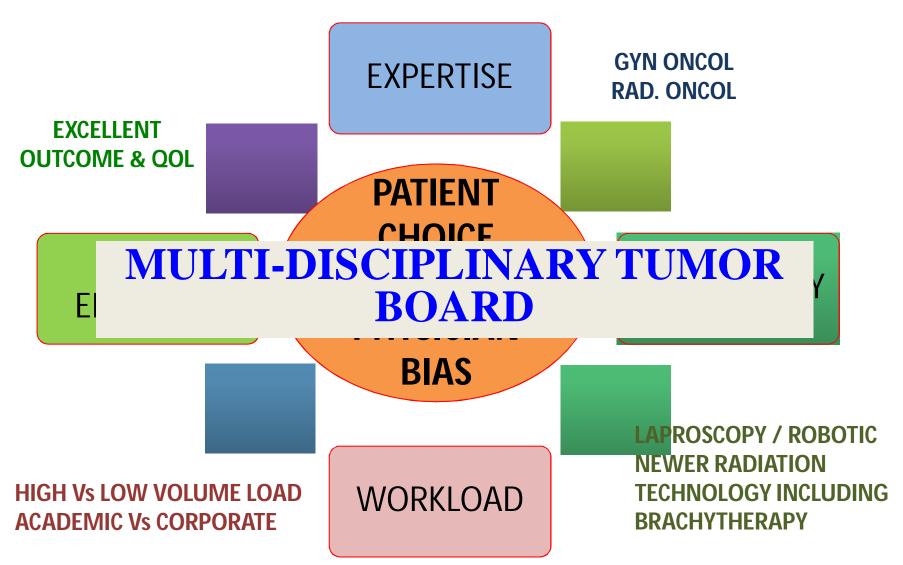
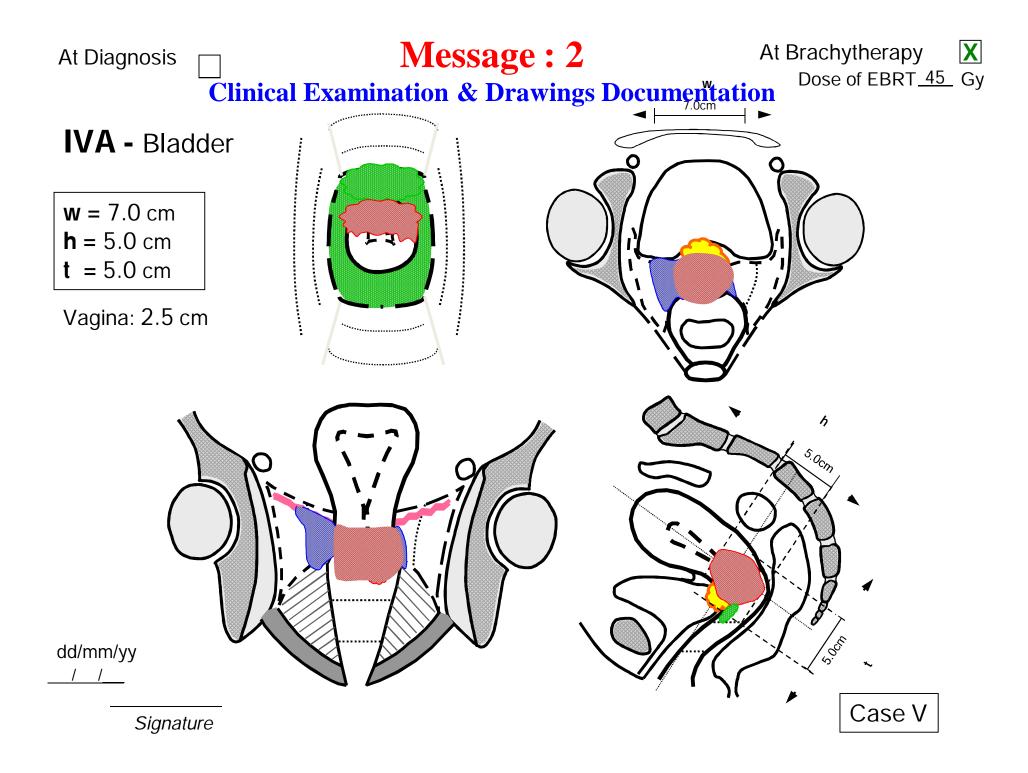
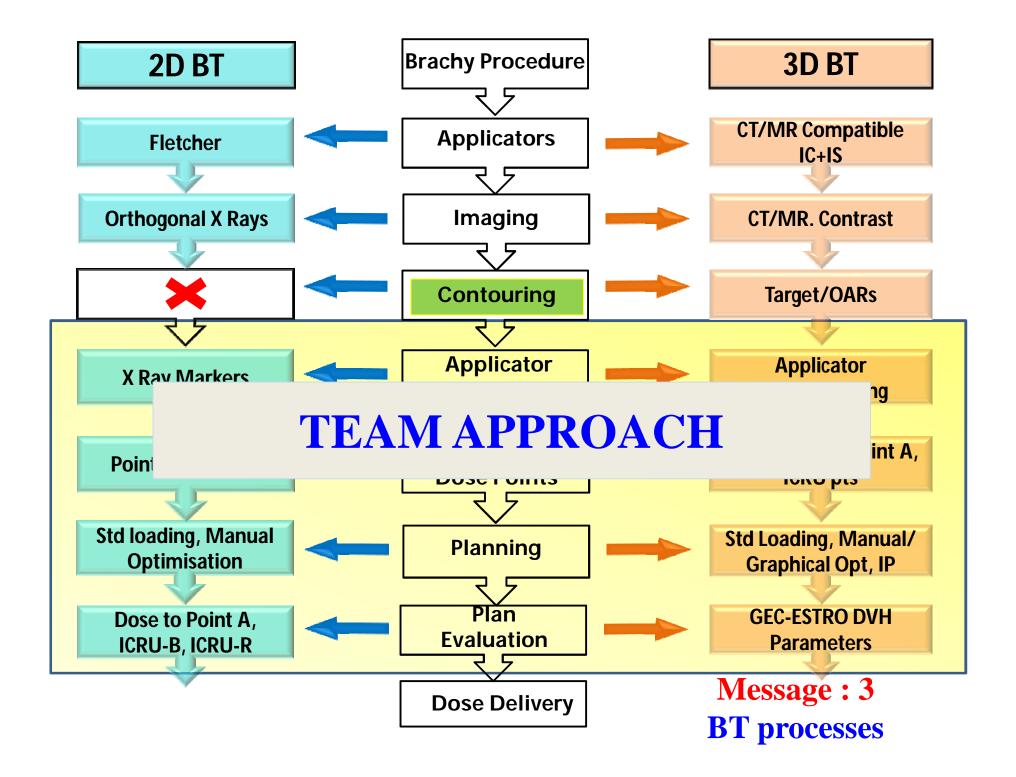
SUMMARY

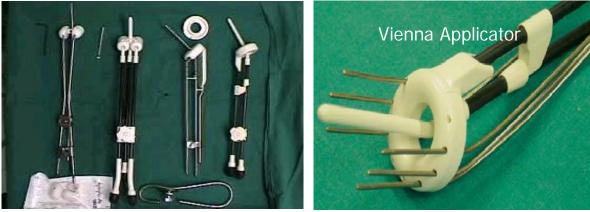
UMESH MAHANTSHETTY DANIEL BERGER

Message : 1 TREATMENT DECISION



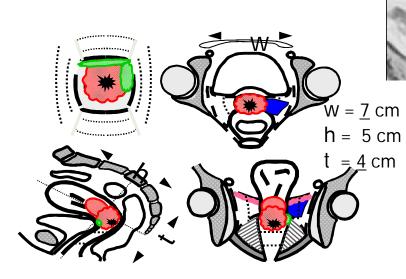




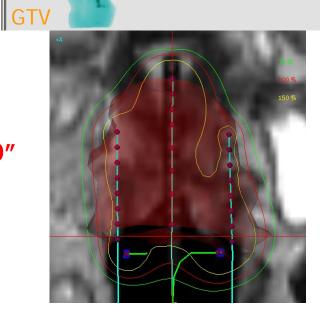




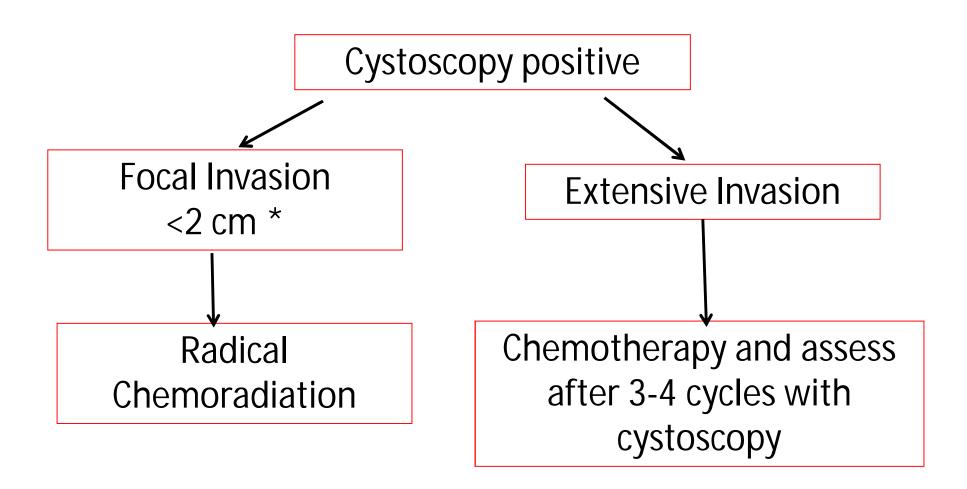
Benefit of Image Based BT Approach Application – Imaging – Optimization



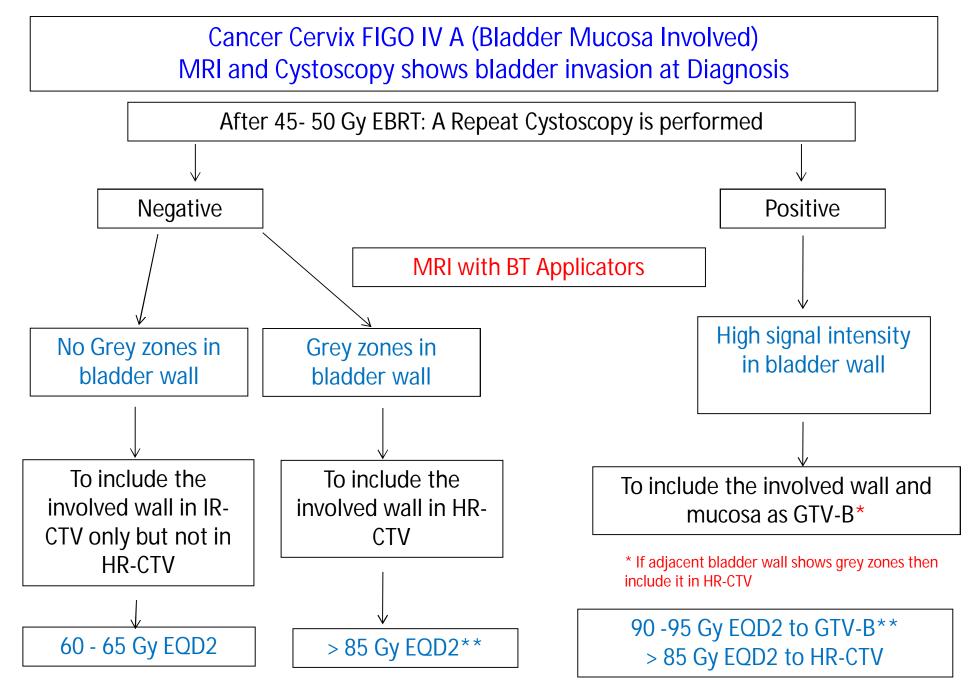
"GOLD STANDARD" Clinical drawing & MR Imaging



Cancer Cervix FIGO IV A (Bladder Mucosa Involved) MRI and Cystoscopy shows bladder invasion at Diagnosis



* Arbitrary and not based on any evidence-



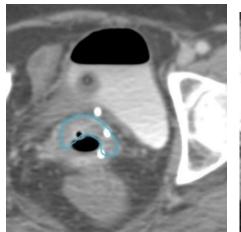
* * Risk of higher bladder toxicities to be anticipated

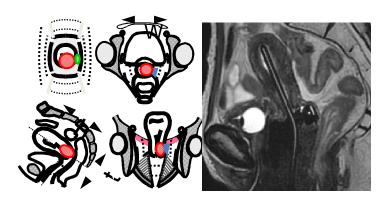
Pre - requisites • Experience of MR Based Approach: Mandatory

- At Diagnosis: Clinical drawings, MR +/- CT
- At Brachytherapy: Standardization of the CT protocol
 - CT compatible applicators
 - bladder filling protocol with dilute contrast

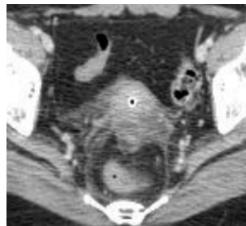
CT - BASED CONTOURING

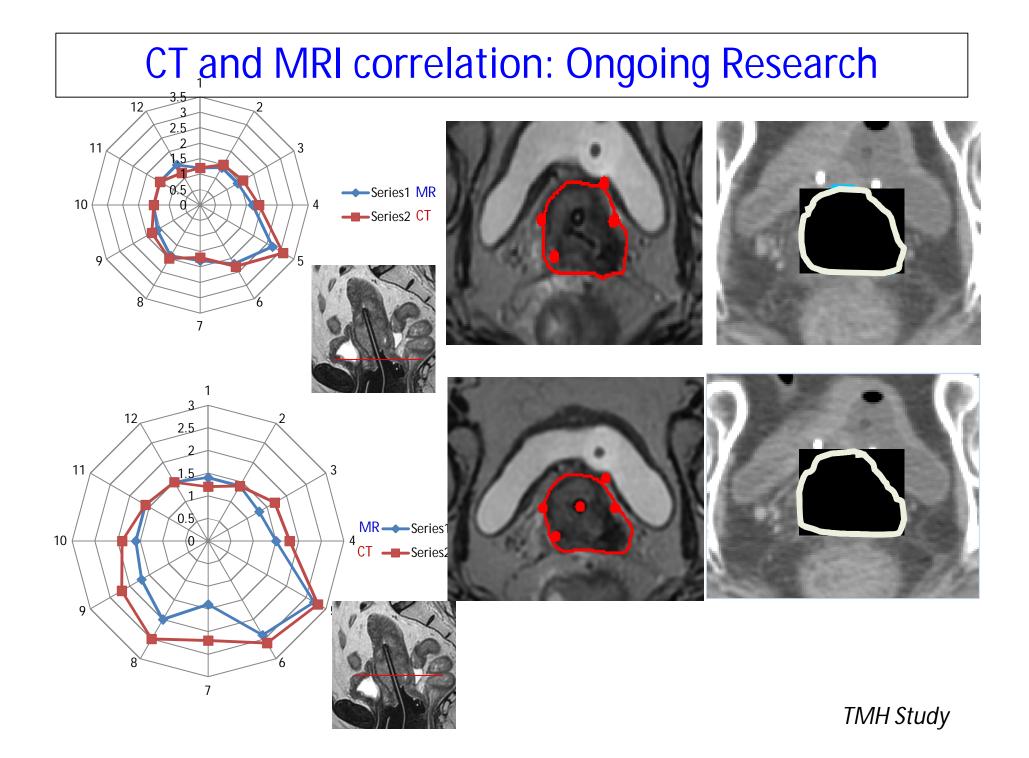
- Intravenous contrast
- Adopt the MR based definitions













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Published in June 2016

TMH Journey: MR Image Guided Adaptive BT TRANSITION FROM 2D TO 3D SECRET TO A SUCCESSFUL JOURNEY!

- Attended the GYN Teaching Course: Understand the Concepts
- Hands on Workshop & Fellowships : Atleast 1 2
- Standardization of processes & Learning Curve : 15 25 pts
- Transition to 3D: MR / CT +/- US
- Retrospective Analyses and Introspection
- Expert Mission and Audits
- Teaching / Hands on Workshops
- Prospective Research protocols