

# Perineal Interstitial HDR Brachytherapy

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## Perineal Interstitial HDR Brachytherapy

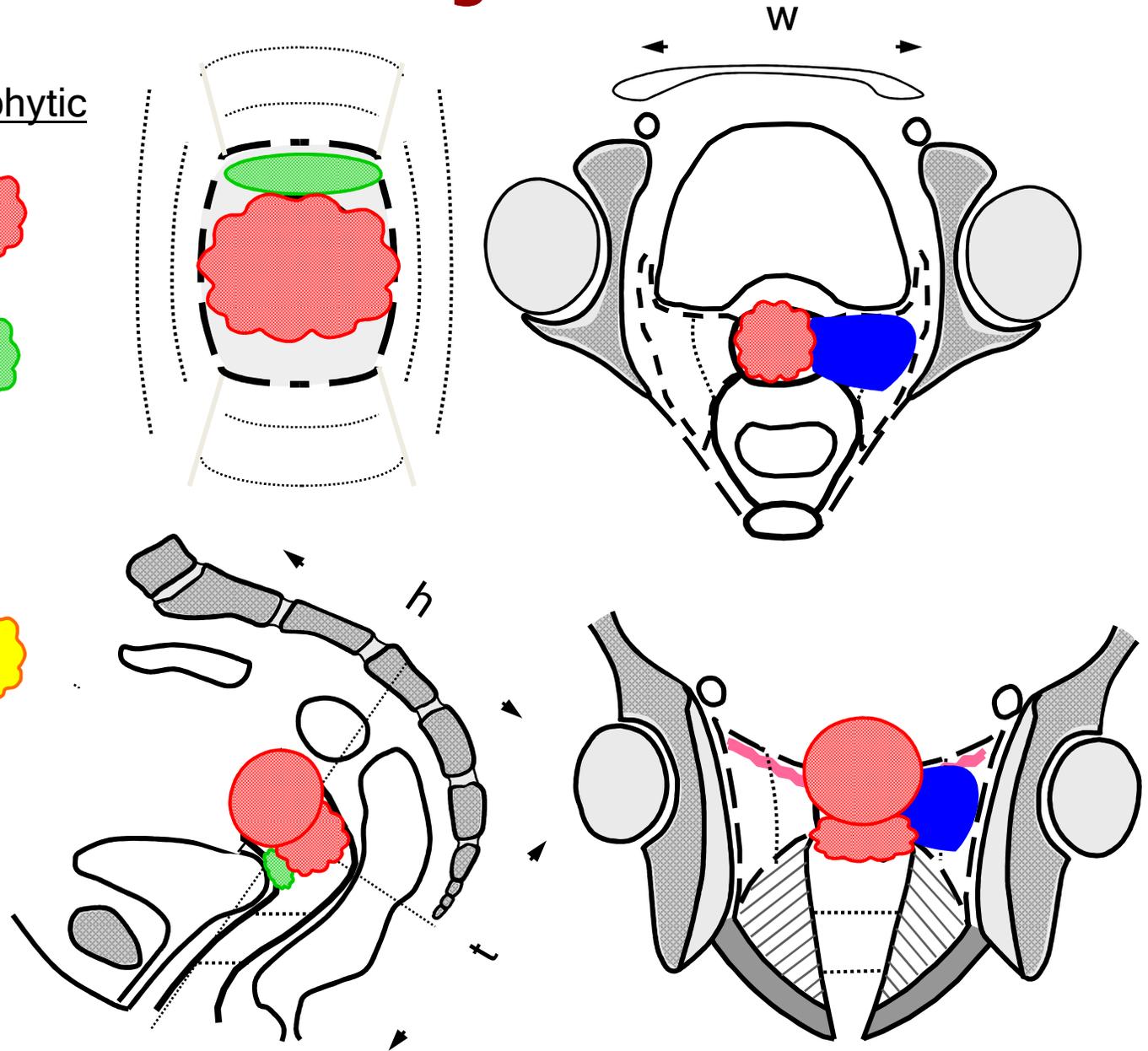
- 32 yrs premenopausal, no comorbidities
- Diagnosed Carcinoma Cervix
- Underwent Surgery at home-town: Sept. 10 (1year back)
- No adjuvant treatment given
- Disease free : 11 months
- In July 2011, presented with discharge/ bleeding
- **VAULT BIOPSY : SQ CA**
- CT scan: 4.5x4x4 cm mass at vault, with left para extension, No pelvic/ PA LNpathy, Rectum / Bladder:N; Kidneys: N

**DIAGNOSIS: Vault Recurrence**

**Rx PLAN : Radical Concomitant Chemo-radiation**

# Clinical drawings

	<u>Infiltrative</u>	<u>Exophytic</u>
Cervix		
Vagina		
Parametria		
Rectum or Bladder		

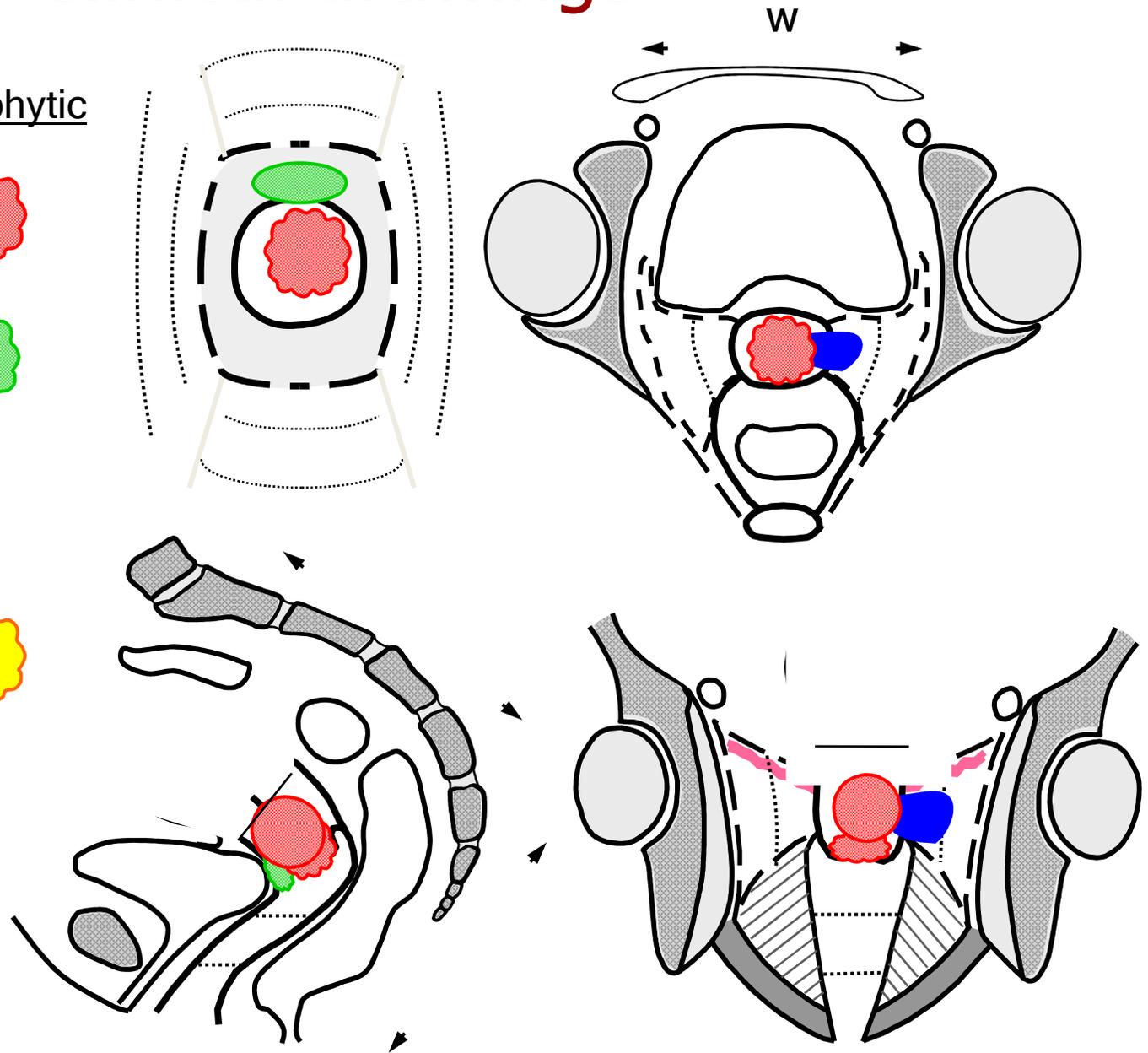


- **Completed 50Gy/ 25# EBRT**  
**with weekly injections of CDDP (5#) @ 40 mg/m<sup>2</sup>**
  
- **Response to XRT: Partial**
  - residual disease over vault and adjoining vaginal mucosa
  - medial 1/3 of left para indurated
  - lateral para supple
  - Vaginal cavity : adequate

# Clinical drawings

At Brachytherapy

	<u>Infiltrative</u>	<u>Exophytic</u>
Cervix		
Vagina		
Parametria		
Rectum or Bladder		



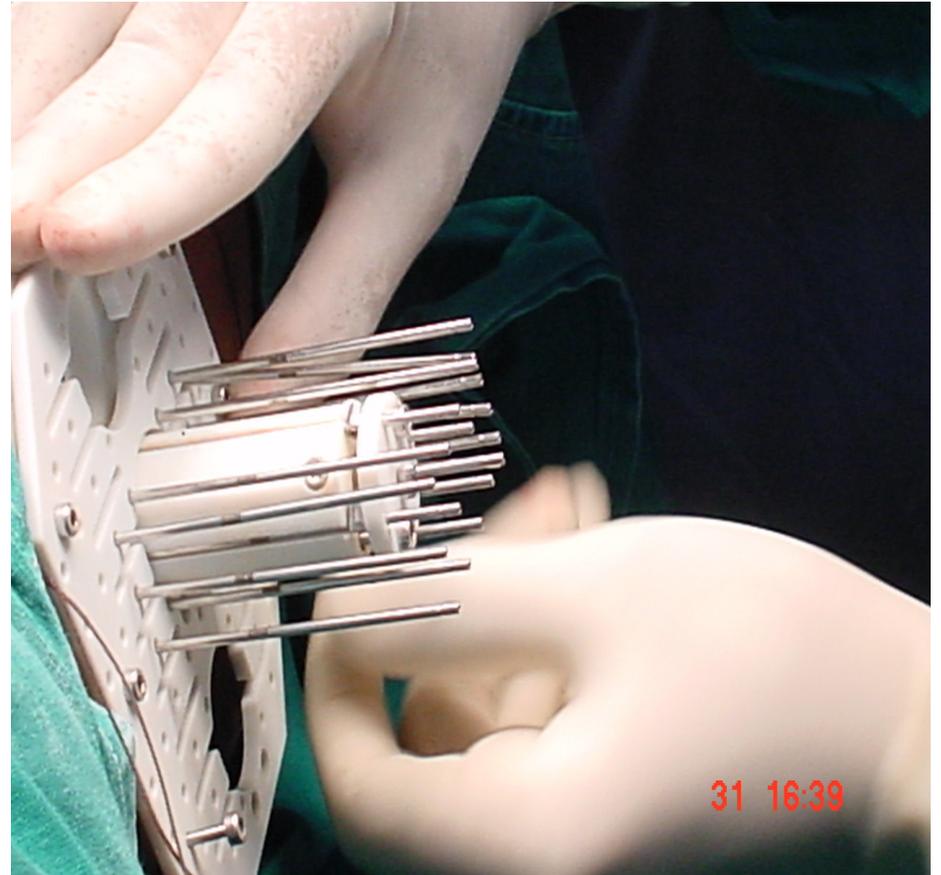
# INTERSTITIAL BRACHYTHERAPY IN CERVIX

## INDICATIONS:

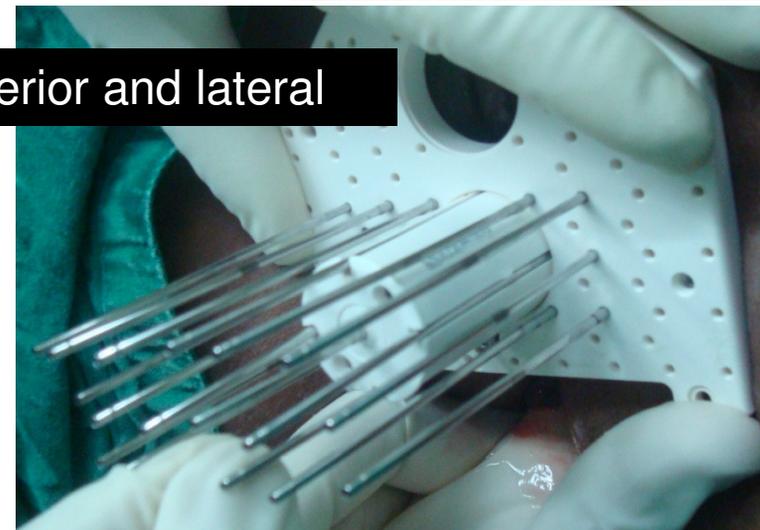
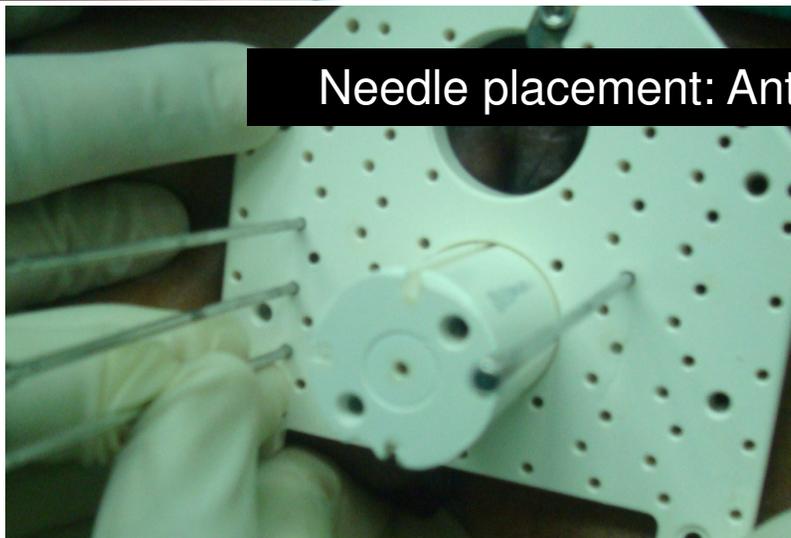
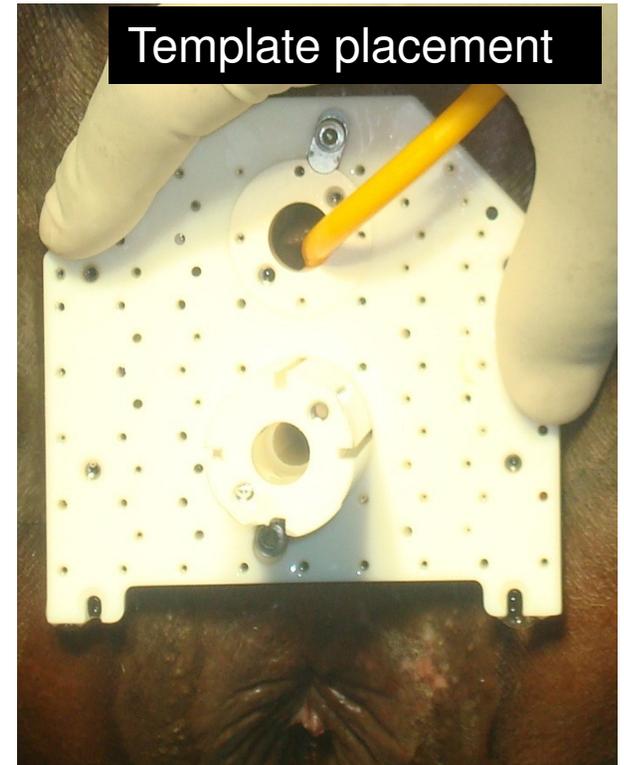
- Extensive Parametrial Disease
- Narrow/distorted vagina
- Post-hysterectomy Recc.
- Distal Vaginal involvement
- Persistent disease after radical RT

## APPLICATORS:

- Syed-Neblett Template (LDR)
- Martinez Universal Perineal Interstitial Template (MUPIT-HDR)
- *Complication rates requiring surgical intervention are high*



## Technique



Under per-rectal guidance / TRUS / MR based

**Video Presentation  
Of  
MUPIT Procedure**