

Workshop Program:

DAY 1:

WELCOME AND OPENING OF THE WORKSHOP 07:30 - 07:40

Patient preparation for Gyn brachytherapy (7:40– 7:50)

Clinical optimization. *Format: Lecture*

1. Electrolytes imbalance
2. Correcting anemia
3. DVT prophylaxis
4. Risk mitigation

Imaging and pre-planning (MRI) + applicator selection. *Format: INTERACTIVE (07:50 - 09:05)*

Locally Advanced Cervical Cancer

Vaginal cancer

Uterine cancer recurrent to the central pelvis

Break: 9:05 - 9:20

Procedure. *Format: Small group workstations - 3 workstations. (09:20 - 11:30)*

Workstation 1: Theory

Anesthesia

- Different types, pros, and cons

Physical examination & Urinary catheter insertion

Image guidance

- Ultrasound (*hands-on*)
- Trans-abdominal
- Trans-rectal
- New technologies
- CT guidance
- MR-guidance
- Other technologies

Workstation 2: Intracavitary

Applicator insertion in pelvic simulator

- Intra-cavitary (T&R; T&O)

- Practice on paracervical blocks

Workstation 3: Interstitial

Applicator exposure and drills

- Applicator insertion (*hands-on*)
 1. Hybrid (Vienna, Utrecht, Venezia)
 2. Perineal based applicators
 3. Plastisol Boxes for needle insertion
 4. Suture Kits

Lunch (11:30- 12:30 PM)

Contouring session - Image Guided Brachytherapy. (12:30 - 1:30)

Each participant should bring their own laptop and mouse pad.

Planning session - Image Guided Brachytherapy. (1:30 - 2:45)

Applicator removal and Post-procedural care. *Format: Lecture.* (2:45 - 3:00)

1. Assessing bleeding risk
2. Set-up
3. Personnel involved
4. Vaginal hemorrhage scenarios
5. Pain management
6. DVT prophylaxis
7. Risk mitigation and measures of comfort
8. Sexual health following treatment

Tips, pearls, and troubleshooting: Debrief Q&A (3:00 - 03:15)

1. Top tips/advices/pearls
2. Troubleshooting common and not so common settings

Break 3:15 - 3:30

Module 2 - Extra GYN and prostate brachytherapy application (03:30 - 05:00)

Penile brachytherapy

Dinner

Faculty:

Lucas Mendez MD, DRCPS

Douglas Hoover, MP, PhD

Kathleen Surry, MP PhD

Vikram Velker MD, FRCPC

David D'Souza, MD, FRCPC

Donna Murrell, MP, PhD

Joelle Helou, MD, FRCPC

Rohann Correa, MD, PhD, FRCPC

Matt Mulligan, MP, BSc

Janelle Krug, MRT

Jacqueline Wesley, RN

Maria Thereza Starling, MD, MBA

Guest Speaker: Juanita Crook, MD, FRCPC