

Workshop Program:

DAY 2:

Prostate Brachytherapy

Journal Club: evidence supporting prostate brachytherapy. *Format: Interactive/Discussion* (7:30– 8:00)

1. Monotherapy
2. Boost
3. Recurrence
4. BT and ADT

Patient selection. *Format: Lecture.* (8:00-8:20)

1. Quantifying morbidity and estimating patient survival
2. Evaluating urinary function
3. Procedural complications and estimating urinary retention risk
4. Pubic arch interference, median lobe and other anatomical features

Equipment types on prostate brachytherapy. *Format: Blend model* (8:20-9:40)

1. Stepper & TRUS
2. Rectum suction & urinary catheter: Skills for Training on Male and Female Phantoms
3. HDR equipment
4. LDR equipment

Break: 9:40 - 09:55

Hands-On BT: HDR | LDR - (09:55-11:55)

1. VR Simulator | Planning Review and Dose Constraints
2. Needle placement | Inverse Planning
3. Needle insertion in Plastisol Boxes

1. Image Acquisition and Planning
2. Needle and Seed Placement | Mick and loose seeds, and stranded seeds
3. Contouring and plan evaluation

Lunch: 11:55-12:40

Hands-On BT: LDR | HDR - (12:40-2:40)

Post-procedural care. Format: Lecture. (2:40-3:00)

Urinary Retention: Definition and Management

Hematuria: Definition and Management

Break 3:00 - 3:15

Transperineal biopsy and fiducial insertion (3:15 – 4:15)

1. Technique description
2. Procedure demonstration

Tips and troubleshooting. (04:15 - 04:45)

Post-Event Feedback Form & Closing Remarks (04:45 - 05:00)

Post-workshop Survey evaluating expectation fulfillment, general brachytherapy knowledge post-workshop, and collecting suggestions for improvement.

Faculty:

Lucas Mendez MD, DRCPC

Douglas Hoover, MP, PhD

Kathleen Surry, MP PhD

Vikram Velker MD, FRCPC

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Matt Mulligan, MP, BSc

Janelle Krug, MRT

Jacqueline Wesley, RN

Maria Thereza Starling, MD, MBA

Guest Speaker: Juanita Crook, MD, FRCPC