



2-4 April 2020  
Vienna, Austria

World Congress  
of Brachytherapy

**Title:** Practical Brachytherapy Techniques for Cervical Cancer, A Hands-On Workshop

**Day and time:** Friday, 3 April 2020 | 08:45-10:45

**Chair:** Melissa Joyner, *Radiation Oncologist, MD Anderson Cancer Centre (US)*

**Co-chair:** Emma Fields, *Radiation Oncologist, Virginia Commonwealth University (US)*

**Faculty:**

- Melissa Joyner, *Radiation Oncologist, MD Anderson Cancer Centre (US)*
- Emma Fields, *Radiation Oncologist, Virginia Commonwealth University (US)*
- Junzo Chino, *Radiation Oncologist, Duke University Medical Centre (US)*
- Lille Lin, *Radiation Oncologist, MD Anderson Cancer Centre (US)*
- Ann Klopp, *Radiation Oncologist, MD Anderson Cancer Centre (US)*
- Lisa Singer, *Radiation Oncologist, Brigham and Women's Hospital and Dana-Farber Cancer Institute (US)*
- Christine Fisher, *Radiation Oncologist, University of Colorado Denver (US)*
- Shari Damast, *Radiation Oncologist, Yale University (US)*
- Kari Tanderup, *Medical Physicist, Aarhus University Hospital (DK)*
- Christian Kirisits, *Physicist, Medizinische Universität Wien (AT)*
- Li Tan, *Radiation Oncologist, Liaoning Cancer Hospital (CN)*
- Umesh Mahantshetty, *Radiation Oncologist, Tata Memorial Hospital (ID)*
- Ina Jurgenliemk-Schulz, *Radiation Oncologist, UMC Utrecht (NL)*

**Rationale and Aim:**

Brachytherapy is an essential part of the definitive treatment of cervical cancer. Unfortunately, utilization is declining and the need for more hands-on training and exposure to various brachytherapy techniques is essential. There is a clear need for increased resident and even faculty with limited brachytherapy experience to be able to obtain the skill set required to deliver curative treatment. Simulation based training has been shown to improve skills competency.

**Learning objectives:**

By the end of the session, participants will be shown all available instrumentation for implants and techniques presented in a case-based model format. Participants will also be exposed to ultrasound compatible mannequin to enhance implant skills. We also hope to have virtual reality instruction for ultrasound guidance. Lastly, participants will be instructed on suturing techniques, fiducial placement with objective to be proficient at a basic level in tying and placement of fiducials.

**Content:**

Stations 1 -5 – Applicator Stations  
Station 6 – Virtual Reality for U/S guidance  
Station 7 – Ultrasound Compatible Mannequin  
Station 8 – Suturing Techniques + Fiducial placement

**Target audience:**

Residents, newly graduated faculty, any faculty interested in learning the most up-to-date brachytherapy techniques.