



2022 Small Field Workshop Meeting Agenda (CST/CDT)

The goal of this workshop is to bring together physicists from the Missouri River Valley chapter to network, learn, and highlight important concepts in Small Field Dosimetry (more information on page 2)

Friday, October 14th, 2022

7:00 pm – All Times CST	Night Out with the MRV-AAPM Chapter Brio Italian Grille 502 Nichols Drive, Kansas City, MO 64112 (Ask for Table: Aba/MRV AAPM Chapter)
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Saturday, October 15th, 2022

8:50 – 9:00 All Times CST	Welcome and Introduction Aba Lippuner, PhD Richard and Annette Bloch Radiation Oncology Pavilion 4001 Rainbow Blvd., Kansas City, KS 66160
9:00 – 10:00	Small Field Dosimetry Wes Culberson, PhD
10:00 – 11:00	Small Field Dosimetry Zac Labby, PhD
11:00 – 11:15	Break
11:15 – 12:30	Exercise: Separate into groups depending on size. TB1 & TB2
12:30 – 13:30	Lunch Break
13:30 – 14:00	Final Words and Q&A--Small Field Dosimetry
14:00 – 14:10	Dismissal
14:10 – 14:40	Proton Tour
14:40 – 15:20	Business Meeting. All are welcome to attend.

This meeting has applied to CAMPEP for approval of 3.75 MPCEC credits.

Workshop Objectives

Session 1— Small Field Dosimetry Part 1

- 1) Understand the basic calibration protocols and reference dosimetry formalisms with respect to small-field commissioning
- 2) Understand the physical characteristics of various detectors used for small-field measurements
- 3) Understand the different detector applications for small field measurements

Session 2—Small Field Dosimetry Part 2

- 4) Understand water tank scanning details for small field dosimetry
- 5) Understand output factor measurement considerations for small fields
- 6) Understand Treatment Planning Systems for small field dosimetry

Session 3- Hands on Small Fields Exercise

- 7) Become familiar with Winston Lutz setup for small fields
- 8) Understand various setup difficulties and remedies for small fields
- 9) Become familiar with different detector sizes and shapes for small fields

Session 4—Small Field Dosimetry Q&A

- 10) Understand various challenges with small field dosimetry
- 11) Become familiar with participant's various challenges with small field dosimetry and possible solutions
- 12) Become familiar with other institutions' small field programs