

SEAAPM 2019 Scientific Meeting

“Science in the Clinic”

February 22-23, 2019

Hyatt Regency, Savannah, Georgia

Program Director: Michelle Wells, M.S., SEAAPM President-elect

Friday, February 22, 2019

12:00 – 1:00pm Complimentary Lunch

1:00 – 1:15pm Welcome and Introduction

Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA

MedPhys Slam

1:15– 1:20pm MedPhys Slam Introduction

Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA

1:20 – 1:25pm Europium-doped Strontium-iodide Scintillator Crystals in Dual Energy X-ray Absorptiometry (DEXA) for Bone Densitometry Imaging

Kricia Ruano Espinoza, Vanderbilt University, Nashville, TN

1:25 – 1:30 pm Monte Carlo Modeling of Beta Radiation to the Upper Skin Layers

Olga Pen, Wake Forest University, Winston-Salem, NC

1:30 – 1:35pm A Novel Lateral Artifact Correction Method for Triple Channel Radiochromic Film Dosimetry

Tong Ren, Wake Forest School of Medicine, Winston-Salem, NC

1:35 – 1:40pm Monte Carlo Evaluation of the Effect of Source Self-Shielding on Gamma Knife Dose Rate Variation

Gregory Szalkowski, Georgia Institute of Technology, Atlanta, GA

1:40 – 1:45pm Film-free Isocenter Walkout Evaluation Using an Electronic Portal Imaging Device

Luke Mallony, Georgia Institute of Technology, Atlanta, GA

Science

1:45 – 2:00pm Quantification of UVA Emission from Megavoltage Irradiated Tissues & Solid Water

Sagarika Jain, Duke University, Durham, NC

2:00– 2:15pm The Use of a Couch Mounted IGRT System and the Clinical Benefits Revealed through the First Clinical Treatments.

Niek Schreuder, Provisions Solutions, LLC, Knoxville, TN

2:15 – 2:30pm Imaging Modality Comparison for Liver–Lung Shunt Values

Briana Thompson, Wake Forest School of Medicine, Winston-Salem, NC

2:30 – 2:45pm A Message from our Platinum Sponsor – Lap Laser, Inc.

2:45 – 3:30pm Afternoon Break & Refreshments

3:30 – 3:45pm SRS with Standard MLCs

Caroline Vandestraeten, Cone Health Systems, Burlington, NC

- 4:00 – 4:15pm Secondary Monitor Unit Checks for VMAT Using Parallelized Monte Carlo Simulations
Sam French, PhD, Piedmont Healthcare, Fayetteville, GA
- 4:15 – 4:30pm Digital Elements, Image Quality, Radiation Exposure, and Procedure Optimization
Perry Sprawls, PhD, Emory University, Atlanta, GA
- 4:30 – 4:45pm Clinical Commissioning of the SC360 System and Preparations for the First Patient Treatments
Niek Schreuder, Provisions Solutions, LLC, Knoxville, TN
- 4:45 – 5:00pm A Novel Method for Dosimetric Leaf Gap Measurement
Yuan Yuan, PhD, The University of Alabama at Birmingham, Alabama

5:00 – 7:00pm SEAAPM Night In + SEAAPM Trainee Poster Session

Saturday, February 23, 2019

7:00 – 8:00am Complimentary Breakfast

Quality & Safety

- 8:00 – 8:15am Plan Quality Assessment of Varian HyperArc and BrainLAB Multiple Metastases Elements for Intracranial Radiosurgery
Rodney Sullivan, PhD, The University of Alabama at Birmingham, Alabama
- 8:15 – 8:30am Initial Experience of IDENTIFY System to Improve Safety and Efficiency in EBRT Workflow
Surendra Prajapati, Wake Forest University, Winston Salem, NC
- 8:30 – 8:45am Collaborative Incident Learning: Crowd-sourcing Solutions to Common Error Pathways with TG-327
Jackie Faught, PhD, DABR, St. Jude Children’s Research Hospital, Memphis, TN
- 8:45 – 9:00am Override reduction through couch position review
James D. Ververs, Ph.D., DABR, Wake Forest Baptist Health, Winston-Salem, NC

General

- 9:00 – 9:30am Message from the AAPM President
Cynthia McCollough, PhD, FAAPM, FACR, FAIMBE
- 9:30 – 10:00am ABR Improvements in MOC: Part 3 Moves from Exam to Assessment
Jerry Allison, PhD; Augusta University, Augusta, GA
- 10:00– 10:15am AAPM Online Learning Services: Education Resources & Services for AAPM Members
Stephanie Parker, MS, DABR, CSSGB, Wake Forest Baptist Health, High Point, NC
- 10:15 – 10:30am The Role of the MPPG Report vs the TG Report
Mary Ann Keenan, PhD, Vanderbilt University, Nashville, TN
- 10:30 – 10:45am A Message from our Platinum Sponsor – Philips Radiation Oncology Systems**
- 10:45 – 11:30am Morning Break & Refreshments**

Chapter Session

- 11:30 – 11:55am Presentation of Chapter Awards
Benjamin J. Sintay, PhD, Cone Health Cancer Center, Greensboro, NC
- 11:55 – 12:00pm Closing Remarks
Michelle C. Wells, M.S., DABR Piedmont Healthcare, Atlanta, GA

This meeting has applied to CAMPEP for approval of 4.92 MPCEC hours.

The Chapter Business Meeting will directly follow the Scientific Meeting.

***The Southeastern Chapter would like to acknowledge
the support of our Platinum and Gold sponsors:***



The logo for PHILIPS consists of the word 'PHILIPS' in a bold, blue, sans-serif font.

The logo for varian is the word 'varian' in a lowercase, black, sans-serif font.