

Thursday, January 13

- 7:30 AM REGISTRATION
- 8:00 AM WELCOME AND OVERVIEW
Gordon H. Downie, MD, PhD
- 8:05 AM Current Applications of PDT,
Ideas and the Pipeline
Tom Mang, PhD
- 8:30 AM Bimodality Lung Cancer Screening in High
Risk Patients – A Preliminary Report
Gregory M. Loewen, DO
- 9:15 AM Optical Biopsy in Detection of Early Stage
Malignancies of Respiratory Tracts
Natalia Bulgakova, PhD
- 10:00 AM BREAK
- 10:15 AM PDT and Synergy: The Effect of Combination
Treatment in the Lung
Carter Childs, MD
- 11:00 AM Variations in Clinical Response to Lung PDT
Gordon H. Downie, MD, PhD
- 11:45 AM LUNCH
- 1:00 PM Fluorescence Diagnosis of Malignant Lesions
Cristina Kurachi, DDS
- 1:45 PM WORKSHOPS
- Workshop A – Superficial Treatments
Ron R. Allison, MD
Carter Childs, MD
Rosa Cuenca, MD, FACS
Gordon H. Downie, MD, PhD
David E. Ost, MD
- Workshop B – Optical Diagnosis
Vanderlei Bagnato, PhD
Juliana Ferreira, MS
Cristina Kurachi, DDS
Claudio Sibata, PhD, FAAPM
Natalia Bulgakova, PhD
- 3:00 PM BREAK

- 3:15 PM Repeat of Workshops
- 4:30 PM ADJOURN
- 6:00-7:30 PM DINNER
Lung PDT: Current Applications
and Future Directions
David E. Ost, MD

Friday, January 14

- 9:00 AM Clinical Overview of PDT in Brazil
Vanderlei Bagnato, PhD
- 9:45 AM BREAK
- 10:00 AM PDT as a Novel Approach to Cutaneous
Malignancies/Conditions
Rosa Cuenca, MD, FACS
- 10:45 AM Technical Aspects of Superficial
PDT Treatments
Ron R. Allison, MD
- 11:30 AM LUNCH
- 1:00 PM Alternative Light Sources for PDT – LED
Based Devices
Juliana Ferreira, MS
- 1:45 PM WORKSHOPS
- Workshop A – Endoscopic Treatments
Ron R. Allison, MD
Carter Childs, MD
Rosa Cuenca, MD, FACS
Gordon H. Downie, MD, PhD
- Workshop B – Dosimetry
Vanderlei Bagnato, PhD
Juliana Ferreira, MS
Cristina Kurachi, DDS
Claudio Sibata, PhD, FAAPM
- 3:00 PM BREAK
- 3:15 PM Repeat of Workshops
- 4:30 PM ADJOURN

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Photodiagnosis and Photodynamic Therapy in Oncology



January 13-14, 2005
The Hilton
Greenville, NC

BRODY SCHOOL OF MEDICINE
EAST CAROLINA UNIVERSITY

PhotoDYNAMIC *therapy*

(PDT) is a valuable clinical tool for the diagnosis and treatment of early staged cancers and palliation for advanced staged cancers. PDT is FDA approved for the treatment of both lung and esophageal processes. The PDT program at the Leo W. Jenkins Cancer Center is a nationally recognized site for clinical and research applications of this technology. Using a multidisciplinary approach to the usage of PDT and extensive collaborations with other world recognized programs, PDT at the Leo W. Jenkins Cancer Center has had success treating and assessing many difficult oncologic problems.

The next generation of PDT clinical utility will involve optical imaging technologies to better optimize Photodiagnosis and Phototherapy. Currently, the Leo W. Jenkins Cancer Center is employing these technologies for the assessment and treatment of breast chest wall recurrent cancer, skin malignancies and for airway neoplasm.

This conference will provide the latest practical information in the assessment and treatment of lung and skin malignancies with PDT. Using didactic and workshop sessions, world leaders in the field will discuss current and future applications of PDT.

OBJECTIVES

At the conclusion of the program, participants should have an increased knowledge of and be better able to:

Clinical PDT – State of the Art: Identify current FDA uses of PDT and frequently used/reported off-label uses; Understand the direction of industry involvement in PDT; Understand the clinical hurdles for moving PDT forward.

Optical Biopsy in Detection of Early Stage Malignancies of Respiratory Tracts: Understand the principle of optical biopsy and the instrumentation needed; Review the clinical experience of using this technique in patients with tumors in respiratory tract; Discuss the potential expansion of optical biopsies to other areas.

Synergy in PDT – The Effect of Combination Treatment in the Lung: Understand the utility of combination therapy for lung cancer; Understand the effects of combination therapy on the PDT tissue responses; Identify clinical presentations which benefit from PDT synergy.

Variations in Clinical Response to Lung PDT: Identify treatment and equipment parameters which can induce clinical variability; Identify patient parameters that can induce clinical variability; Understand treatment approaches for reducing clinical variability.

Fluorescence Diagnosis of Malignant Lesions: Discuss the implementation of auto or exo-fluorescence from tumors for diagnosis; Understand the role of animal models for optimizing fluorescence protocols; Explore the potential of fluorescence diagnosis.

Demonstration and Discussion of Clinical Applications for the Use of Superficial and Endoscopic Imaging: Identify clinical conditions which benefit from PDT treatments; Understand the utility of optical imaging technology to improve diagnosis and to define treatment fields; Understand the utility of optical imaging technology to assess real time treatment; Identify devices/equipment needed for optimal PDT treatments and assessments.

Optical Diagnosis and Dosimetry: Demonstrate the instrumentation used for optical diagnosis; Demonstrate the process of taking clinical measurements; Review the different regions currently under study; Discussion and calculation of dosimetric parameters used in clinical treatments; Review of other dosimetric parameters being researched; Demonstrate how to calculate the treatment time for different clinical scenarios; Demonstration of lasers and other light sources in treatment.

Lung PDT – Current Applications and Future Directions: Review how PDT is currently used in lung disease; Explore advantages and disadvantages of this technology; Discuss possible future directions of PDT.

Clinical Overview of PDT Treatment in Brazil: Review of introduction of PDT in Brazil and understand how lessons learned there can help new programs in North America; Explore centers that are offering PDT and sites being treated; Examine the socio-economical factors affecting PDT in Brazil.

PDT as a Novel Approach to Cutaneous Malignancies/Conditions: Identify skin conditions, both benign and malignant that are candidates for PDT approach; Understand treatment benefits of PDT; Review treatment obstacles of PDT; Review and discuss relevant cases.

Technical Aspects of Superficial PDT Treatments: Discuss the technical treatment of chest wall and skin; Review dosage of light and photosensitizer concentration used and their clinical outcomes.

Alternative Light Sources for PDT – LED Based Devices: Discuss the development of LED devices for use in skins cancer treatment; Review experiments showing the equivalence of the LED-based device compared to laser treatment.

FACULTY

Program Directors

● **Gordon H. Downie, MD, PhD, Medical Director of Photodynamic Therapy, Director of Interventional Pulmonology and Thoracic Oncology Clinic, Assistant Professor of Medicine at the Brody School of Medicine, Department of Pulmonary and Critical Care Medicine.**

● **Claudio Sibata, PhD, FAAPM, Science Director of Photodynamic Therapy Center, Professor in Radiation Oncology, Vice-Chairman of the Department of Radiation Oncology.**

Brody School of Medicine at East Carolina University Faculty

● **Ron R. Allison, MD, Clinical Director of Photodynamic Therapy, Professor and Chairman of Radiation Oncology.**

● **Carter Childs, MD, Clinical Assistant Professor, Department of Pulmonary and Critical Care Medicine.**

● **Rosa Cuenca, MD, FACS, Surgical Director of Photodynamic Therapy Center, Assistant Professor of Surgery, Department of Surgical Oncology, Director of the Breast Health Center at Leo W. Jenkins Cancer Center.**

Guest Faculty

● **Vanderlei Bagnato, PhD, Professor, University of Sao Paulo, Brazil. He has pioneered PDT in Brazil and is in charge of the Center for Photodynamic Therapy, the first center in Brazil. Dr. Bagnato has treated over 400 patients and is a laser scientist who has proposed several improvements in photodynamic therapy instrumentation.**

● **Natalia Bulgakova, PhD, Senior Research Scientist, Department of Optical Spectroscopy, General Physics Institute, Russian Academy of Sciences, Moscow, Russia.**

● **Juliana Ferreira, MS, Member of the PDT Technical Group at Hospital Amaral de Carvalho, Jau, Sao Paulo, Brazil and at University of Sao Paulo Medical School.**

● **Cristina Kurachi, DDS, Dentist, Institute of Physics and Chemistry, Sao Carlos, Sao Paulo, Brazil; Technical group at Hospital Amaral de Carvalho, Jau, Sao Paulo and at the University of Sao Paulo Medical School.**

● **Gregory M. Loewen, DO, Director, Pulmonary Medicine, Department of Medicine, Roswell Park Cancer Institute. Associate Professor of Clinical Medicine, University at Buffalo School of Medicine and Biomedical Sciences.**

● **Tom Mang, PhD, Clinical Manager of Photodynamic Therapy, Axcan Pharma Inc., Birmingham, Alabama. Dr. Mang is also Clinical Associate Professor and Research Associate Professor at the State University of New York. He has authored or co-authored over 50 published articles and five chapters on pre-clinical and clinical applications of Photodynamic Therapy.**

● **David E. Ost, MD, Director of Bronchoscopy and Interventional Pulmonology, North Shore Hospital, Division of Pulmonary/Critical Care Medicine, Manhasset, New York.**

REGISTRATION INFORMATION

PREREGISTRATION AND FEE PAYMENT IS REQUIRED to assure space and availability of materials and meals. For your convenience, payment may be made by check, money order, or by credit card (VISA or MasterCard). Checks and money orders should be made payable to the Office of CME.

REGISTRATION FEES: (Includes scientific session, syllabus, breaks and meals)

\$250 Entire Conference
\$150 Dinner and One Day
\$50 Dinner Only (Thursday, 6 PM)
\$100 Students, Residents (dinner not included; priority given to practitioners/professionals in the field)

After January 6, on a space available basis, full-time students, residents, Brody School of Medicine employees and faculty may register for the scientific session ONLY at no fee (\$5.00 for NON-PHYSICIANS wishing CEU's).

For emergency calls to participants during program, call the Greenville Hilton at (252) 355-5000.

CANCELLATION POLICY: The conference fee will be refunded in full if cancellation notice is received by the Office of CME by January 7. Requests for refunds received between January 7-12 will be subject to a 20% reduction for administrative commitments. No refunds will be made after January 12.

ENJOY A NIGHT AWAY

Consider bringing a spouse or guest to shop or visit Greenville while you attend the conference. For the convenience of those wishing to remain overnight, a block of rooms is being held at the Greenville Hilton until December 17, 2004. Please ask for the PDT Conference, Eastern AHEC special rate. Call the Greenville Hilton directly (252) 355-5000 to make your reservations.

TARGET AUDIENCE

This program is designed for surgical oncologists, dermatologists, regular oncologists, breast surgeons, physicians, pharmacologists, immunologists, residents, fellows and students.

COMPETENCY

The Office of Continuing Medical Education and the Leo W. Jenkins Cancer Center do not certify that through participation in this program participants are competent to perform certain procedures or skills.

CREDIT

ACCREDITATION: The Brody School of Medicine at East Carolina University is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT: The Brody School of Medicine at East Carolina University designates this continuing medical education activity for up to 13 hours in Category 1 of the Physician's Recognition Award of the American Medical Association. Physicians should only claim credit commensurate with the actual time spent attending a CME activity. This program has also been approved for 1.3 CEUs.

PhotoDYNAMIC *Therapy Conference*

**Program Number C11028
January 13-14, 2005**

**Return to: Office of CME, ATTN: Registration
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PLEASE CHECK THE CREDIT(S) YOU WISH TO RECEIVE, IF AVAILABLE:

AMA, Category 1 (Physician credit)
 CEUs (Non-Physician credit)

REGISTRATION FEES:

\$250 Entire Conference
 \$150 Dinner and One Day
 \$50 Dinner Only (Thursday, 6 PM)
 \$100 Students, Residents (dinner not included; priority given to practitioners/professionals in the field)
 I will attend the dinner session on Thursday evening.

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