



2022 NC Thoracic Society Special Conference

Digital Health in Respiratory Diseases

Saturday – September 24, 2022

In-Person and Virtual



JB Duke Hotel - Duke University

Patient care can be improved with digital technologies, but application for respiratory diseases is uncommon. The intent of this program is summed up by the keynote speaker's title– making a respiratory practice digital. Dr Richard Costello is a leader in digital health for lung diseases and a renown pulmonologist in Europe. We cover digital inhalers, wearables, virtual care, remote monitoring, and cybersecurity, with the intent to give participants a good understanding of applications across respiratory practice and research.

TARGET AUDIENCE

Healthcare providers including physicians (pulmonologists, allergists, primary care), mid-level practitioners (NP, PA), nurses, pharmacists, respiratory therapists, population health, digital health, and public health practitioners

ATTENDANCE OPTIONS

Onsite reservation will be available. The lecture room holds about 60 persons and attendees will comply with current policies of Duke University regarding masking ect.
The program will also be held virtually – a link will be distributed the week prior

REGISTRATION AND FEES

\$50 for all healthcare providers

<https://www.eventbrite.com/e/digital-health-in-respiratory-diseases-tickets-374468694947>

Free for learners and retirees (email ncthoracicsociety@gmail.com to register)

OR

By joining or renewing membership to NCTS(membership allows free meeting attendance)
<https://www.thoracic.org/members/chapters/thoracic-society-chapters/north-carolina/>

Includes administrative costs, continental breakfast, refreshments, and lunch

CANCELLATION POLICY

Refunds will be provided if submitted 2 weeks in advance.

EVENT CONTACTS

For registration or program questions, contact Mashael Al-Hegelan, MD(Program Chair) or Roy A. Pleasants, PharmD at ncthoracicsociety@gmail.com.

FACILITY

JB Duke Hotel, 230 Science Drive, Durham, NC (Duke University west campus)

POLICY ON FACULTY AND SPONSOR DISCLOSURE

While not a continuing education program, faculty will disclose potential conflicts.

CONTINUING EDUCATION CREDIT

Not Provided

COMMERCIAL SUPPORT ACKNOWLEDGEMENT

This activity is supported by exhibits through pharmaceutical and scientific companies. A complete list of supporters will be published in the course syllabus and announced at the Symposium.

AGENDA

- 7:30 – 8:00 am** **Registration for in-person attendees**
- 8:00 – 8:15 am** **Introduction (Mashael Al-Hegelan, MD, MBA President and Praveen Mannam, MD Vice-President North Carolina Thoracic Society)**
- 8:15 – 9:00 am** **(Keynote) The Journey to a Digital Respiratory Practice (Richard Costello, MD – Royal College of Surgeons Ireland, Dublin)**
- 9:00 – 9:35 am** **Overview of Digital Inhalers in the US (Roy Pleasants, PharmD, UNC CH, NC Thoracic Society)**
- 9:35 – 10:10 am** **Cybersecurity and Remote Patient Monitoring (Dee Young, HCS UNC CH, Information Technology)**
- 10:10 – 10:30 am** **Break**
- 10:30 – 11:05 am** **Wearables in Pulmonology: A Landscape of Digital Measures and Connected Sensors (Manuel Fanarajian, MD HumanFirst, Boston)**
- 11:05 – 11:40 am** **Studies in Pediatric Asthma Employing Digital Health –(Allison Burbank, MD UNC Pediatrics)**
- 11:40 – 12:10** **Lunch**
- 12:10 – 12:45 pm** **Precision Remote Monitoring and Care Through Lung Oscillometry (Rajoshi Biswas, PhD – Cognita Labs, Houston)**
- 12:45 – 1:20 pm** **Remote Digital Monitoring in OSA (Carlos Nunez, Resmed and Jason Thomason, MD, Salem Chest)**
- 1:20 – 1:55 pm** **Virtual Pulmonary Rehabilitation (Rakesh Alva, MD Cone Health)**
- 1:55 – 2:00 pm** **Closure**

FACULTY

Rakesh Alva, MD is a practicing pulmonologist with Cone Health, LeBauer Healthcare, Greensboro, NC

Rajoshi Biswas, PhD is Chief Scientific Officer for Cognita Labs, Houston, Tx.

Allison Burbank, MD, is Assistant Professor with the Department of Pediatrics, Division of Allergy and Immunology, UNC at Chapel Hill, Chapel Hill, NC

Richard Costello, MD (“CAH-stel-oh”) is Professor with the Royal College of Surgeons in Ireland, Dublin. He is Chair of the Education Committee and Fellow with the European Respiratory Society (**Keynote Speaker**)

Manny Fanarjian, MD is Head of Applied Sciences, HumanFirst, Boston, Mass.

Carlos Nunez, MD is Chief Medical Officer, ResMed, San Diego, CA

Roy Pleasants, PharmD is a clinical researcher at UNC CH Chapel Hill, NC and Executive Director of the NC Thoracic Society (Past President NCTS)

Jason Thomason, MD is a practicing pulmonologist with Salem Chest and Novant Health, Winston Salem, NC (Past President NCTS)

Dee Young, HCS is Executive Director and Chief Information Security Officer of Information Technology at UNC Chapel Hill, Chapel Hill, NC

PROGRAM COMMITTEE

Mashaël Al-Hegelan, MD, MBA, FCCP (Program Chair and Committee)

Praveen Mannam, MD (Program Vice-Chair and Committee)

Roy Pleasants, PharmD (Program Committee)