

One-Day Pulmonary Function Workshop: *Children's National Medical Center*

Agenda

Saturday - June 8th, 2019

Time

8:00-8:15 am Welcome/Introductions

8:15-9:15 am Diagnostic Tools Used in Severe Asthma in Pediatrics | *Dr. Dinesh Pillai*

9:15-10:15 am FOT vs. Spirometry | *Patrick Burns RRT,RPFT*

The Forced Oscillation Technique in Clinical Practice:

- Methodology
- Recommendations
- Future Developments

10:15-10:30 am BREAK

10:30-11:30 am Diffusing Capacity – The Basics to the New Guidelines | *Ralph Cook RRT,RPFT*

- Physiology of DLco Measurement
- How to Perform a Test
- ATS/ERS Guidelines for Standardization of Acceptability & Repeatability
- Quality Control

11:30-12:00 pm LUNCH

12:00-1:15 pm Understanding Body Plethysmography (TGV & Raw) | *Ralph Cook RRT,RPFT*

- How a Plethysmograph Works
- Lung Volumes Measurements
- Airways Resistance Basics
- ATS/ERS Guidelines for Standardization

1:15-2:00 pm Quality Control - Why Do It? | *Lisa Knepper RRT,RPFT*

- Accuracy vs. Precision
- Syringe QC
 - Daily Duties
 - Monthly Duties
 - Why/How to Perform
 - ATS/ERS Guidelines
- Biologic QC
 - Healthy Volunteers
 - Mean and Coefficient Variation
 - Linearity Checks
- Quality Control of Technician and Good Quality Data

2:00-3:00 pm Q&A + Hands-On