



MGC DIAGNOSTICS®

**NSRC and MGC Diagnostics PFT Forum
Presented In Conjunction with the 2018 NSRC Annual Meeting
April 25th, 2018**

1200-1700

Location: The Graduate, 9th and "O" Street, Lincoln, NE

Students: \$10.00 AARC Members: \$30.00 Non Members: \$35.00

Space will be limited

12:30-13:30 Diffusing Capacity – The Basics Ralph Cook RRT, RPFT

Objectives:

- Understand the physiology of the DLCO measurement
- Understand how to perform the DLCO test is performed and results acquired
- Understand the ATS/ERS Guidelines for Standardization of Acceptability & Repeatability
- Understand the importance of quality control and what is clinically acceptable

13:30-14:30 Cardiopulmonary Exercise Testing Made Easy Darren Drumsta, MA Exercise Physiologist

Objectives:

- Understand the importance of patient preparation, how it is performed and impact on results
- Understand the basic steps when performing test including ECG monitoring
- Understand data evaluation and have basic understanding of results
- Understand AT Selection and its relationship to exercise testing

14:45-15:45 Understanding Body Plethysmography (TGV & Raw) Ralph Cook RRT, RPFT

Objectives:

- Understand how the plethysmograph works
- Review and understand lung volumes and lung capacity measurements
- Understand airways resistance basics and how different pathologies may affect
- Understand current ATS/ERS Guidelines for Standardization

15:45-16:30 Getting started with the new Bronchial Challenge Guidelines Patrick Burns RRT, RPFT

Objectives:

- Understand the goals of the various challenge tests performed in the PFT lab
- Understand the indications and contraindications for performing the various challenge tests
- Understand the general methods to perform testing and understand potential limitations
- Understand tidal breathing for an improved methacholine test and the change from PC 20 to PD 20

16:30-17:00 QA All presenters

