

MINUTES

ATS Working Group on Infant and Preschool Lung Function

Date: **Sunday, May 15th, 2016**

Time: **11:45 – 1:15pm**

Venue: *San Francisco Marriott Marquis Hotel in Room: Pacific I, 4th Floor*

Item No.	Detail
1.	<p><u>Infant MBW</u></p> <p>Lead: Philipp Latzin</p> <p>Phillip has been working extensively with the Ecomedics SF₆ system and showed published data that the End-inspiratory molar mass should be used rather than end-expiratory molar mass. This does affect LCI measurements in a non-systematic way. This is likely due to inaccuracies in temperature recordings resultant modelling. He also mentioned that a new sidestream sensor was being developed as well as a new model for Temperature simulation. These new sidestream sensors seem to work better and Phillip is undertaking some lung volume validation work to further understand the relationships.</p>
2.	<p><u>Preschool MBW Project Update</u></p> <p>Lead: Paul Robinson</p> <p>Paul was unable to attend due to conflicting meeting. The update was provided by Padmaja Subbarao. In summary the preschool MBW Technical document is slated for publication in the ATS Annals. The final report is near complete and anticipated for publication early next year.</p>
3.	<p><u>Intra-breath (Tracking) FOT in preschoolers</u></p> <p>Lead: Peter Sly</p> <p>Peter gave an update on intrabreath tracking from FOT measurements. Data examining the intrabreath tracking of resistance was presented at the meeting in an oral poster presentation session and poster discussion sessions. They believe it offers greater sensitivity to health and disease and they now believe it is available from commercial systems. There is enough data at this point to develop normative data. A link to a recent publication is provided: Thorax http://thorax.bmj.com/content/early/recent</p>

4.	<p><u>Update from the ERS</u></p> <p>Lead: Graham Hall</p> <p>Graham is the current ERS Physiology Chair. Claudia Colagero is the current ERS Infant & Preschool Working group chair. There are several joint ATS/ERS projects.</p> <ol style="list-style-type: none"> 1. Preschool MBW Technical document will be a combined document. Lead by Paul Robinson. 2. FOT Task Force, led by Ellie Oostveen and Greg King. This document is collating normative data will aim to introduce reference equations across the age spectrum and internationally. 3. Preschool LFT course has been proposed for the ERS School and will be getting started in the next year. 4. GLI has been funded by the ERS to develop standards for lung volume. The T_LCO Task force has collated data and there is good overlap in data between different systems and from around the world. Most data is from Caucasians and there is not enough non-Caucasian data to develop separate normative equations.
5.	<p><u>Nomination/Election of a new Chair</u></p> <p>Jess Pittman was nominated by Margaret Rosenfeld to be the new Chair of the working group and was elected Chair-Elect at the meeting.</p>
6.	<p>Other Business</p> <p>New Project Proposals –</p> <p>Graham Hall – proposed investigating whether the Preschool Guidelines should be revised since 10 years has passed since the original publication.</p> <p>Stephanie Davis – proposed revising the Infant PFT documents, specifically the RVRTC methodology since many new developments have evolved since the first documents were published</p>
	<p>The meeting was adjourned at 12:45pm.</p>