1. Open/Welcome
   - Introductions

2. Infant PFT/chloral hydrate updates
   - Hospital pharmacies still often not willing to make chloral hydrate
   - Needing to coordinate with anesthesia for other sedation regimens – makes timing harder
     - Problems with general anesthesia – oversedation
     - Precedex – few sites have experience, issues with braking vocal cords even with good sedation
   - Is there further need for epidemiologic analysis to formally address cancer risk?
     - Unclear – issues with hospital or FDA/CU approval seem to have stabilized – more with pharmacies being willing to compound/supply to labs
   - Possible need for other formulations – e.g. suppositories
     - Unlikely to get traction, as anesthesiologists don’t like chloral, so being used less and less outside of the iPFT lab – specialized and small number of sedations done.

3. MBW discussion/updates – Paul Robinson
   - New ATS working group document – technical standards for MBW in preschoolers
     - Submitted for publication
   - Consensus document from 2013 – Paul Robinson may discuss with ATS whether an addendum/update is needed, in particular to help manufacturers
   - Infant MBW still pending
     - PR and Per Gustafsson w Vertex Innovation grant looking at effects of different gasses on infant breath pattern – very pronounced in 100% O2, not in SF6. Haven’t looked at 40% to 100% FiO2.
   - PR may put in application for preschool MBW lunchtime session/workshop to address the technical document for ATS 2018.

4. FOT updates
   - Task force currently working
   - Indiana and Portland just starting for research
   - Issue of what device to use

5. Update from the ERS – Claudia Calogero
   - ERS task force just started on Lung Function in the adult assembly
   - PFT ERS School Course – application due October 2017
     - Similar to what adults do
     - Hands-on training on how to perform testing – perhaps in preschoolers
   - Meeting will be in Milan on Saturday September 9, 2017

6. GLI updates – Sanja Stanojovic
   - Reference equations for DLCO
     - For DLCO, VA, KCO age 5 – 80 years old
     - Accepted by ERJ May 2017
     - Under consideration for endorsement by several respiratory societies
ATS INTEREST GROUP ON INFANT & PRESCHOOL LUNG FUNCTION MEETING – May 21, 2017

Renaissance DC Hotel    Jessica Pittman, MD MPH, Chair

- Reference equations for lung volumes
  o ERS task force has been approved
  o Data collection to open shortly
  o Will include plethysmography, gas dilution, and MBW

- GLI Network
  o ERS clinical research collaborative network
  o Goal of creating a living repository of GLI data
  o Accessible to researchers to investigate physiologic questions
  o Ongoing data collection to facilitate GLI updates

- PFT proficiency committee is submitting a proposal to collect more DLCO data focusing on minority populations

7. PFT needs assessment & new document proposal
   - Needs assessment survey
     o Goal of determining most pressing clinical & research needs for published guidelines for pediatric pulmonary function testing
     o Brief survey being sent out to Pediatric members of international societies including ATS, ERS, Thoracic Society of Australia and New Zealand, Pan-African Respiratory Society, Latin American Thoracic Association
   - Will likely result in a project proposal for the coming year
     o Unclear if this will be expert recommendations vs. PICO-type analysis
   - Those interested in participating should contact Jessica Pittman
   - Plan to use survey responses to date to create project proposal for submission to ATS for next year’s conference (as document/working group)

8. New project suggestions – June 28th deadline?
   - Addressing physiologic measurements in critically ill patients (e.g. NICU, PICU)
     o Stacey Peterson-Carmichael just published document related to this
     o Limited bedside capability, particularly in NICU
     o Use and application varies widely by site and expertise
     o SPC will consider submitting ATS noon workshop proposal relating to publication for 2018
   - Linking structure and function in infant/preschool testing for lung disease
     o Look at linking between CT, MRI, and physiologic measures?
     o Measures that can be performed simultaneously – e.g. functional MRI with washout?
     o Means of integrating structural and functional testing to better define lung disease
     o Paul Robinson tried for ERS project 5 years ago and was rejected
     o Some experience in ERS long ago, but radiologists lost interest in group quickly
       ▪ Field also changing very quickly – hard to publish before out of date
     o Need to bring in radiologists, physicists, those working with animal models
     o May be best served as an ATS and ERS joint project
       ▪ ERS small conference with goal of producing document at the end vs. ATS workshop with combination of lectures and open discussions
       ▪ Goal of submitting proceedings as a document for publication
       ▪ Then do a hot topic session once the document is published
     o Will continue discussion with goal of submission in 2018 for project starting 2019
   - PFT needs assessment / Pediatric PFT guidelines document
Will review survey responses to date and JP will submit to ATS as a working group / document group proposal.

JP will distribute survey address to all working group members for further distribution / responses.

Those interested should contact JP.