



GLOBAL LUNGS INITIATIVE

ERS Task Force (TF-2009-03) to establish improved Lung Function Reference Values

Chairs: J Stocks, X. Baur, G. Hall, B. Culver

www.lungfunction.org

ERS GLI Task Force Meeting for members of the GLI network

Sunday 25th September 2011: 16.30 – 18.30
Room E103 ERS congress centre Amsterdam

Attendance:

GLI Task Force Members present: Janet Stocks, Graham Hall, Xaver Baur, Bruce Culver, Sanja Stanojevic, Mary Ip, Jinping Zheng. Apologies from: Philip Quanjer, John Hankinson, Tim Cole, Paul Enright

54 additional members of the GLI network attended, including representatives from many companies who distribute spirometers

Agenda (see accompanying pdf for copy of slides presented, which includes full update on progress and recent publications)

- Informal discussions
- Welcome and introductions: Bruce Culver
- Update on Progress: Janet Stocks
- Transition to GLI; Practicalities and Implications: Sanja Stanojevic
- Impact of errors in height and age when predicting lung function: Graham Hall
- Phase 2, Quality Control in adults: European studies: Xaver Baur
- Establishing spirometric QC criteria for children: Graham Hall
- Future directions: Janet Stocks

18.15 – 18.30 General discussion

Lively discussion followed, including

- Agreement that the new equations should be referred to as **GLI 2012**

- Agreement that, once GLI equations are available, they should supersede the Stanojevic 2009 equations in commercial equipment and that international endorsement/guidelines should encourage use of GLI 2012 in future
- Discussion on how best to cope with individuals who do not fall into the specific ethnic groups currently covered by GLI 2012. Suggestion that an equation for 'other' based on the average of non-white population should be created to accommodate this group until such time as more appropriate equations can be developed for the additional groups, such as those from Indian sub-continent.
- The issue of how best to select accompanying equations for other lung function tests in order to minimise internal discrepancies, (for example, predicted FVC from spirometry vs VC from plethysmography) was raised. There is a need to determine which FVC plethysmography equations match best for each age group/ethnicity until improved lung volume equations can be delivered.
- There was also a request for firm recommendations that companies could refer to when implementing results.

Action: Members of the GLI will write a short report to accompany the GLI 2012 publication to describe the practical aspects of using the GLI equations

18.30 General Meeting closed and was followed by a GLI steering group meeting