

Workshop on QC in Breast Tomosynthesis

Vienna, September 11th 2015

(Draft) Programme:

SESSION 1 **(9:00 - 10:45)**

- Introduction and philosophy of the QC protocol *Ruben van Engen*
- Overview of breast tomosynthesis systems and clinical evidence *Ken Young*
- Tools for quality control of tomosynthesis systems; Part 1 *Padraig Looney*
- Assessment of currently available DBT systems (CDMAM, Z-resolution, SDNR in projection images, geometric distortion, etc.) *Celia Strudley*

Coffee Break **(10:45 - 11:00)**

SESSION 2 **(11:00 - 13:00)**

- Tools for quality control of tomosynthesis systems; Part 2 *Guozhi Zhang*
- Image quality evaluation using linear system metrics *Nick Marshal*
- Dosimetry in breast tomosynthesis *David Dance*
- Dose assessment using simple phantoms (thickness compensation, simulated local density measurement) *Ramona Bouwman*

Lunch **(13:00-14:00)**

SESSION 3 **(14:00 - 15:50)**

- Practical issues doing QC measurements *Ruben van Engen*
- Research into image quality assessment of the reconstructed tomosynthesis image
 - 1. Phantoms for QC measurements (including evaluation of currently available phantoms and future phantoms) *Stephan Schopphoven*
 - 2. Image quality measurements; Approach 1 *Nick Marshall*
 - 3. Image quality measurements; Approach 2 *Ramona Bouwman*

Coffee break **(15:50 – 16:05)**

SESSION 4 **(16:05 – 17:00)**

- Panel discussion