



The European Federation of Organisations for Medical Physics

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EFOMP Science Committee

Subject: Working group for unification of image quality controls for CBCT and CT

20th October 2013

Dear colleague,

Current guidelines for image quality control regard CT and CBCT as different entities, although the test parameters are the same: resolution, noise, contrast, homogeneity, CT number uniformity (or image density values) and artefacts.

For image quality evaluation, the recently developed technology for CBCT has triggered the use of objective measures, such as contrast-to-noise ratio and Fourier measures, instead of subjective measures like contrast-detail objects and bar patterns.

With this in mind, the purpose of the working group is to *develop a practical, unifying protocol for image quality control and dose of both CBCT and conventional CT*. This includes CBCT for dental, angiography, neuroradiology and radiotherapy applications, as well as CT for diagnostic and radiotherapy applications.

If you feel enthusiastic about this idea, we would be proud and happy to count on your collaboration. **Please contact us by November 20. Alternatively, you can meet us at the RSNA meeting on Wednesday, December 4, after our talk (11:50 am in room S403A).** The aim would be to have an initial kick off meeting at ECR in Vienna in March 2014.

Looking forward to hearing from you,

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