

Multi-stakeholder Meeting on the optimised use of CT scanners

Setting the Scene

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Important stakeholder in CT dose optimisation: CT Manufacturers

In 2010, HERCA started a dialogue with the four main CT manufacturers (GE, Philips, Siemens and Toshiba) and COCIR, which represents the radiological, electromedical and healthcare IT industry in Europe.

As an important result of this process, COCIR and the CT manufacturers were willing to underline their responsibility on patient dose reduction and provided a voluntary self-commitment by 2011.

CT Manufacturers actions

The CT Manufacturers committed themselves to actions that offer the potential to achieve CT dose reduction

The actions included:

- The development and implementation of a standardised benchmarking of CT systems by characterising the dose efficiency related to image quality
- The implementation of dose reduction measures in CT
- The implementation of dose management and reporting tools
- The provision of specific training curricula

HERCA Sub-Working Group “WP Stakeholder involvement of CT- Manufacturers”

- Creation of the subgroup
- Chairperson
- Co chair
- Members of the WGMA

Initial Mission: Establishment of criteria based on which the commitments could be developed

Layout of the commitments



- **Background** : Why is the commitment required
- **Aim**: What is to be achieved by the commitment
- **Concept**: How it is to be achieved
- **Timelines** : By when should it be achieved

Commitment 4: Provision of specific training curricula

Background

CT manufacturers share with HERCA the concern for keeping the CT user well trained on dose optimisation and dose awareness in daily practice. This is of particular importance with the growing number of dose reduction features in CT products.

Aim

CT manufacturers' aim is to ensure the appropriate, safe and effective use of imaging equipment by the clinical user. This includes the provision of specific training curricula on existing and new dose reduction techniques, on how to deploy these product features in daily practice, and to enable users to continue to reduce patient dose.

Commitment 4: Provision of specific training curricula

Concept

CT manufacturers are committed to make a significant contribution to this aim via:

1. The offering of vendor specific equipment training curricula to the CT user, and through user programs that help CT operators optimising the patient dose settings on their scanners, and the offering of continuing professional education optional training.

Timelines

Work of the subgroup “WP Stakeholder involvement of CT-Manufacturers”

- Regular meetings to discuss the progress of the work
- Progress reports are elaborated
- Regular Reports are made to the WGMA
- Regular Reports are made to the BoH

Collaboration HERCA-COCIR



- COCIR Annual Progress reports
- Annual HERCA-COCIR face to face meetings
- Actions for the following year are planned
- Regular contact through e-mail and Tcon

Outcomes of the collaboration 2010-2017

The collaboration between HERCA and COCIR has been very beneficial to both parties as a lot of good work has been accomplished in CT dose optimisation, management and reporting

- HERCA has been able to express its concerns on radiation protection issues concerning CT imaging
- The CT Manufacturers have tried to find solutions
- Great benefit for the CT end user and the patient

Outcomes of the collaboration 2010-2017

- All the commitments have been full filled
- Joint HERCA-COCIR Press release issued on the 17th of June 2014 on both HERCA and COCIR websites
- HERCA position paper on “CT dose optimisation through education and training” was published on the HERCA website 20.11.2014
- 1st MSM on the optimised use of CT scanners on 1st April 2015 in Paris at the asn

Addendum to the HERCA CT position paper

Feedback on the HERCA CT position paper from :

- ✓ COCIR
- ✓ ESR
- ✓ EANM
- ✓ EFRS
- ✓ EFOMP

To be found on the HERCA website.

Outcomes of the collaboration 2010-2017

- E-mails were sent ESR, EANM, ESTRO, EFRS and EFOMP inviting them to send HERCA self commitments on the optimised use of CT
- Commitments were received from ESR, EANM and EFRS
- Positive responses were received from ESTRO and EFOMP
- The WP CT manufacturers sent ESR, EANM and EFRS feedback on their proposal of self commitments

Outcomes of the collaboration 2010-2017

- 2nd MSM on the optimised use of CT scanners took place on the 10th of March 2016 in Vienna
- Stakeholders presented an update on their commitments
- Collaboration to be established between COCIR, EFRS and EFOMP for the establishment of training programs
- Great interest in having a 3rd MSM in 2017

Commitments of stakeholders



In May e-mails were sent to all the stakeholders:

- Thanking them for attending the 2nd MSM
- Asking them to send a progress report on their commitments by the beginning of September 2016
- Informing them that the BoH approved the organisation of a 3rd MSM in Spring 2017
- Proposals were made on how to continue with their commitments and especially on the collaboration between stakeholders

Objectives of the 3rd MSM



- For stakeholders to present an update on their commitments
- For stakeholders to exchange views on the issue of CT optimisation through education and training
- For a continued collaboration between stakeholders to be promoted

WP Stakeholder involvement of CT - manufacturers

Thank you for your attention!

