

Siemens Healthineers Nederland

Physicists Training

IQ & Dose Artis Q- AT systems

22 Juni 2018



Subjects:

- **X-ray Tubes / Detectors new**
- **Technical Application IQ**
- **IQ, dose, IQ management**
- **X-ray's Dose level / Dose control**
- **Clinical IQ & Artifacts**
- **IQ processes/pipeline/parameters**
- **Future DEXI /EXI/ UEC**
- **Pitfalls in the lab**
- **Image Gallery Good/bad practise**

Day 1

09:00 – 09:15 WELCOME & INTRODUCTION

09:15 – 11:00

- -Image Pipeline present intro future
- -Tubes GIGALIX in deep performance
- -Dose Control SNR/CNR
- -Short Intro to new detectors

11:00 – 11:15 COFFEE BREAK

11:15 – 12:30

- -DEXI / EXI / UEC process control
- -Detectors /DT Mode tables/New Types/your Q & A

12:30 – 13:00 LUNCH

13:00 – 16:00 IMAGE PROCESSING BLOCKS

- Introduction to IQ
- Detector dose read out
- IP block Gamma
- IP block iNoise
- IP block kAuto
- **Small break**
- IP block EVE
- IP block DDO
- IP block Windowing/Sigmoid/Corrections

16:00 – 17:00 IMAGE PROCESSING BLOCKS

- **AK versus DAP**
- -Presentation
- **How to compare systems in PD/SD/MT**
- -Measurement demonstration ppt/excel
- **Down tuning Dose**
- -Pitfalls in the lab
- **-What really matters!**
- **Image gallery of good/bad practise**
- **Patient skin dose**
- -How does the system use the patient length and weight (when registered) for skin dose calculations? (Is there any way to approximate the position for the maximum skin dose on the patient?)
- **Patient size setup**

17:00 – 17:30 Parking Place / Q & A / Wrap up / Finalizing

Location:

Siemens Healthcare Nederland B.V.
HC WEA NED SV CS BS
Prinses Beatrixlaan 800
2595 BN Den Haag, Nederland
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Start-up conference room:

H1.0.07 Isaac Newton

Your teacher:

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Technical Application IQ Dose Specialist Siemens Healthineers
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AT Cardio/Vascular X-Ray

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