

This is what you get...



- Information about standard evaluations of image quality in CT imaging
- Information about “advanced image quality assessment methods” and how to use them
- Sharing experiences about mathematical model observers used in clinical routine and how to improve the communication between radiologists and radiographers
- A guide on how to perform human observer experiments (ROC experiments and M-AFC experiments)
- Practical sessions on human observer studies and model observer studies



Take home messages



- Advanced QA in CT requires the use of alternative metrics than the ones currently used at the moment in medical imaging
- Medical physicists should not only ensure the compliance of CT units but should also ensure the optimal use of the units on patients
- Medical physicists should be a bridge between manufacturers and the end users (radiographers and radiologists)
- Dose reductions should always be done with image quality assessments especially the detection of structures having a low contrast with background



Positive comments from our participants...



“The course was good for preparing me to understand the new tools to assess image quality.”

“The MPE08 was run by an excellent team - it was wonderful to have access to such knowledgeable and experienced physicists.”

“I was generally very pleased with the course, the content of the course and the organization of the course.”

“The module reviewed in detail the traditional metrics and the patient dose estimation methods ”

“The size and the origin of the participants group permitted the exchange of experiences and opinions.”



What could be improved



“The participants should have the opportunity to introduce themselves at the beginning of the course.”

“Standard QA methods in CT should have been presented in more detail.”

- Comment from the organizers: This was not the main objective of the course

“A social event could have been organized.”

