

2017 NACP-RPC COURSE

Occupational dosimetry in interventional radiology, -cardiology and nuclear medicine

27-29 September 2017
 Södersjukhuset, Stockholm, Sweden

Time	Topic	Speaker
Wednesday 27 September		
08:30-09:00	<i>Registration</i>	
<i>Introduction</i>		
09:00	Introduction: Purpose of the course	Daniel Aadnevik (Norway)
09:05	Practical information on course activities	Sofi Wickström (Sweden)
<i>Joint topics: Guidelines and technical basis</i>		
09:10	Biological basis for occupational dosimetry and dose limits (whole body, eye lens, extremities, pregnancy)	Klaus Rüdiger Trott (Germany)
09:40	Key issues of occupational radiation protection in interventional radiology – Recommendations from the ICRP	Pedro Ortiz-López (Austria)
10:10	Nordic guides for occupational dosimetry in hospitals	Torsten Cederlund (Sweden)
10:40	Occupational doses in interventional radiology, cardiology and nuclear medicine: comparisons, conclusions and trends from dose registries	Maaret Lehtinen (Finland)
11:10	Discussion	
11:30	<i>COFFEE BREAK</i>	
11:50	Technical basis of occupational dosimetry: dosimetric quantities, types of dosimeters, dosimeter calibrations, measurement uncertainties.	Antti Kosunen (Finland)
12:20	Guidelines for occupational dosimetry: Implementation in a hospital	Rune Hafslund (Norway)
12:50	Discussion	
13:00-14:30	<i>LUNCH BREAK AND EXHIBITION (dosimeter vendors)</i>	
<i>Interventional radiology and cardiology: technical issues</i>		
14:30	Active personnel dosimetry for monitoring specific procedures	Filip Vanhavere (Belgium)

15:00	Shielding methods and equipment and their degree of protection	Christoffer Granberg (Sweden)
15:30	Discussion	
15:40	<i>COFFEE BREAK</i>	
16:00	Eye lens and extremity dosimetry	Klaus Rüdiger Trott (Germany)
16:30	Discussion	
16:45	<i>WELCOME RECEPTION</i> [offered by sponsors]	

Thursday 28 September

<i>Interventional radiology and cardiology: clinical issues</i>		
09:00	General principles of good practices: How do these affect staff doses?	Hannu Järvinen (Finland)
09:30	Optimum techniques and use of shielding to reduce staff dose in selected <i>interventional radiology</i> procedures	Tanja Østgård Holter (Norway)
10:00	Optimum techniques and use of shielding to reduce staff dose in selected <i>interventional cardiology</i> procedures	Joanna Sierpowska (Finland)
10:30	Discussion	
10:50	<i>COFFEE BREAK</i>	
11:10	Staff doses and good practices in CT guided interventional procedures	Jonas Andersson (Sweden)
11:40	Staff doses and good practices in surgical use of radiation (with movable x-ray equipment)	Aoife Gallagher (Ireland)
12:10	Discussion	
12:30 – 14:00	<i>LUNCH AND EXHIBITION</i>	
14:00-16:00	Sponsor presentations	Plenum presentation of dosimetry equipment (active and real-time), shielding equipment etc.
19:00	<i>CONFERENCE DINNER</i>	

Friday 29 September

<i>Nuclear Medicine (NM): Technical and clinical issues</i>		
08:30	Introduction. Overview of factors influencing dose to nuclear medicine staff	Lennart Johansson (Sweden)
09:00	Internal contamination and dosimetry	Sören Mattsson (Sweden)
09:30	Shielding and operational dosimetry in nuclear medicine staff	Sigrid Leide Svegborn (Sweden)
10:00	Discussion	

10:20	<i>COFFEE BREAK</i>	
10:40	Patient as a radiation source: Diagnostics	Eleonor Vestergren (Sweden)
11:00	Patient as a radiation source: Radionuclide therapy	Disa Åstrand (Sweden)
11:20	Radiation protection in production of PET radiopharmaceuticals	Mikael Jensen (Denmark)
11:50	Discussion	
12:20	SUMMARY AND CLOSING	
12:30	End of course	

Invited lecturers:

Speaker	Country	Email
Klaus Trott	Germany	klaustrott@yahoo.it
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