

Schedule

Monday, 7. April 2008

Overview and general principles of hyperthermia

7:00 – 8:00	Registration				
8:00 – 8:10	Overview of learning objectives; schedule and assignment to working groups			Valeria Milani	
8:10 – 8:40	The development of hyperthermia: historical review and rationale			Olav Dahl	
8:40 – 9:10	Biological rationale of hyperthermia			Harm Kampinga	
9:10 – 9:30	Hyperthermia in clinical practice: an overview			Lars Lindner	
9:30 – 10:00	Morning break				
10:00 – 13:00	Exhibition	Clinical Teaching on patients (Group A)	Clinical Teaching (Group B)	Planning group	Planning group
		BSD 2000 Hyperthermia Unit	"Case discussions" Lecture room 1	Sigma Hyperplan (I) Tutorial room 1	SemcadX (I) Tutorial room 2
13:00 – 14:00	Lunch break				

Technical aspects of hyperthermia devices

14:00 – 14:10	Introduction: Technical aspects, thermomonitoring and quality			Gerard van Rhoon	
14:10 – 14:45	Hyperthermia devices			Paul Stauffer	
14:45 – 15:30	Invasive and non invasive thermomonitoring			Peter Wust	
15:30 – 16:00	Afternoon break				
16:00 – 19:00	Exhibition	Clinical Teaching on phantom (Group A)	Clinical Teaching on phantom (Group B)	Planning group	Planning group
		BSD 2000MRI/SAR Hyperthermia Unit	BSD 2000MRI/SAR Hyperthermia Unit	Sigma Hyperplan (II) Tutorial room	SemcadX (II) Tutorial room 2
19:00 – 22:00	Dinner with professors "Feel-free-to-ask"				

Tuesday, 8. April 2008

Treatment planning

8:00 – 8:30	Breakfast				
8:30 – 9:30	Treatment planning and recent technological developments			Johanna Gellerman: Sigma Hyperplan Maarten Paulides: SemcadX	
9:30 – 10:00	Morning break				
10:00 – 13:00	Exhibition	Clinical Teaching (Group A)	Clinical Teaching on patients (Group B)	Planning group	Planning group
		"Case discussions" Lecture room 1	BSD 2000 Hyperthermia Unit	Sigma Hyperplan (III) Tutorial room	SemcadX (III) Tutorial room 2
13:00 – 14:00	Lunch break				

Regulatory issues and translational research

14:00 – 14:30	Quality of heating and standardization imperative			Gerard van Rhoon
14:30 – 15:00	Exhibition	Regulatory aspects in Europe and USA		Stephen Rhodes Klaus-Peter Thiele
		Trial methodology and translational aspects, EORTC Lecture		Alexander M.M. Eggermont
15:30 – 16:00	Afternoon break			
16:00 – 16:45	Physiology aspects and translation into clinic, Int J hyperthermia lecture			Mark Dewhirst
16:45 – 17:45	Success stories			Jacoba van der Zee: Cervical cancer Rolf Dieter Issels: Sarcoma
17:45 – 18:00	ESHO School final testing online			
18:00	Closing			

First ESHO School on Clinical Hyperthermia 7 & 8 April 2008, Munich, Germany

Chairwoman and chairman:

Valeria Milani, MD, PhD

ESHO board member and chairman ESHO biological committee

Department of hematology/oncology, LMU-University Medical Center Großhadern, Munich

Gerard Van Rhoon, PhD

ESHO secretary and chairman ESHO technical committee

Department of Radiation Oncology, Erasmus MC, Rotterdam

Faculty:

Olav Dahl (N), Department of Oncology, Institute of Medicine, University of Bergen, Bergen

Paul Stauffer (USA), Department of Radiation Oncology, Duke University, Durham

Mark Dewhirst (USA), Department of Radiation Oncology, Duke University, Durham

Lars Lindner (G), Department of hematology/oncology, LMU-University Medical Center Großhadern, Munich

Johanna Gellerman (G), Berlin Hospital for Radiation Medicine, Charite Medical School, Berlin

Rolf Issels (G) Department of hematology/oncology, LMU-University Medical Center Großhadern, Munich

Peter Wust (G), Berlin Hospital for Radiation Medicine, Charite Medical School, Berlin

Harm Kampinga (NL), Department of Radiation and Stress Cell Biology, University of Groningen, Groningen

Alexander Eggermont (NL), Erasmus MC, Surgical Oncology, Rotterdam

Richard Canters (NL), Department of Radiation Oncology, Erasmus MC, Rotterdam

Maarten Paulides (NL), Department of Radiation Oncology, Erasmus MC, Rotterdam

Jacoba Van der Zee (NL), Department of Radiation Oncology, Erasmus MC, Rotterdam

Industry and government representants

Esra Neufeld (CH), SPEAG Software R&D, Zurich

Peter Futter (CH), SPEAG Software R&D, Zurich

Nicolas Chavannes (CH), SPEAG Software R&D, Zurich

Steffen Eisenhardt (G), Dr. Sennewald Medizintechnik GmbH, Munich

Klaus-Peter Thiele (G), Kompetenz Centrum Onkologie MDK Nordrhein

Stephen P. Rhodes (US), Director, Investigational Device Exemptions (IDE) and Humanitarian Device Exemptions (HDE) Programs, Food and Drug Administration

Working Group Teachers

Clinical Teaching Group A	V. Milani, K. Tschöp, J. van der Zee, Berger, S. Ahnert
Clinical Teaching Group B	O. Dahl, L. Lindner, S. Rahman, A. Ameziane, M. Kuhlencordt
Planning group on hyperplan	J. Gellerman, R. Canters, S. Eisenhardt, G. Van Rhoon
Planning group on SemcadX	P. Futter, M. Paulides, E. Neufeld, N. Chavannes