

ISEP-Therapy Workshop in Tallinn, Estonia. June 16-20, 2014
Course Directors: Eduard Gershkevitch (Estonia) and Eugene Lief (AAPM)
Program Schedule

Day	Date	Session #1 2 hr		Coffee Break 15 min.	Session #2 1 hr 30 min		1 Hr 45 Min Lunch Break	Session #3 1 hr 30 min		15 min Tea Break	Session #4 1 hr 30 min		6:00 - 8:00
		8.30 - 9:30	9:30 - 10.30		10.45 - 11.30	11.30 - 12.15		14:00 - 14.45	14.45 - 15.30		15.45 - 16.30	16.30 - 17.15	
1	16 June 2010		Registration		Opening Ceremony	The transition from 2D to 3D and to IMRT - rationale and critical elements (YP)		Radiobiological Aspects of Radiation Therapy (EG)	Review of AAPM TG reports applicable to new technologies (EL)		QC of CT- MR-, and PET-CT scanners for Radiation Therapy (MM)	QA and QC of TPS (SV)	Reception
2	17 June 2010	Clinical dosimetric measurements - small field dosimetry (JC)	Tools for evaluation of treatment plans in 3D-CRT and in IMRT and their QC (YP)		QA and QC of Record & Verify systems (SV)	Advanced Methods of treatment planning/Monte Carlo algorithms (JC)		MC calculations using the Fortran based EGSrc system under WINDOWS - a simplified approach (GH)	Practical - Use of treatment planning software		Practical - Use of treatment planning software (continued) and visit to a radiotherapy department		
3	18 June 2010	TG142: recommendation for Linear Accelerator-based IMRT and SRS (RW)	Commissioning and QA of Imaging equipment in Radiation Therapy. TG 179. (MM)		Management of Imaging Dose during Image Guided Radiation Therapy – AAPM Report #95 (MM)	IMRT/VMAT commissioning and QC (EL)		TG 101: Conventional linac based SBRT QA (EL)	Radiosurgery and Cyberknife TG 135 (RW)		In vivo dosimetry - established and novel detectors (JC)	Practical - VMAT pretreatment QC	
4	19 June 2010	What is next in radiotherapy? (GH)	Adaptive radiotherapy: rationale and current approaches (EL)		TG 180: QC of deformable registration (EL)	Light ion beam radiotherapy technology development (SV)		Dosimetry and QA of light ion beams (SV)	Risks in radiation Therapy - Lessons from the past and the way forward (YP)		Dosimetry audits in radiotherapy (JI)	Radiation Safety, Shielding Design, and Radiation Surveys (RW)	Old Town excursion & Gala Dinner
5	20 June 2010	Comprehensive audits in Radiotherapy (JI)	The harmonisation of the role of medical physics within Europe: a challenge or an impossibility? (MP)		International certification initiative (IMPCB.org), staffing requirements, and continuing education (RW)	Course evaluation & Closing ceremony	FREE TIME						

(RW) Raymond Wu, Ph.D. (AAPM)
Barrow Neurological Institute/ St. Joseph's Hospital, Phoenix, AZ, USA
(MM) Mahadevappa Mahesh, MS, PhD (AAPM)
Johns Hopkins University School of Medicine, Baltimore, MD, USA
(YP) Yakov Pipman, D.Sc. (AAPM)
Forest Hills, NY, USA
(SV) Stanislav Vatnitsky, Ph.D.
EBG MedAustron, Wiener Neustadt, Austria
(JC) Joanna Cygler, Ph.D. (AAPM)
The Ottawa Hospital Cancer Centre, Ottawa, Ontario, Canada

(GH) Günter Hartmann, Ph.D. (EFOMP)
German Cancer Research Center, Heidelberg, Germany
(MP) Marta Pausco, Ph.D. (EFOMP)
Arcispedale Santa Maria Nuova, Reggio Emilia, Italy
(JI) Joanna Izewska, Ph.D. (IAEA)
Medical Physics and Dosimetry Section, International Atomic Energy Agency, Vienna, Austria
(EL) Eugene Lief, PhD (course director, AAPM)
White Plains Hospital, Pelham, NY, USA
(EG) Eduard Gershkevitch, Ph.D (local organiser)
North Estonia Medical Centre, Tallinn, Estonia