



**HONG KONG COLLEGE OF RADIOLOGISTS  
&  
THE UNIVERSITY OF HONG KONG  
Department of Diagnostic Radiology**

**In conjunction with**

**International Commission on Radiological Protection (ICRP)**

*Seminar on "Radiological Protection in Medicine"*

**2<sup>nd</sup> October 2010 (Saturday, 2pm-5pm)**

**Venue :**

*G/F, Lim Por Yen Lecture Theatre  
Hong Kong Academy of Medicine Jockey Club Building  
99 Wong Chuk Hang Road, Aberdeen, Hong Kong*

**PROGRAMME:**

<b>Speaker</b>	<b>Topic</b>	<b>Time</b>
Prof. Eliseo VANO	Overview of the work of ICRP Committee 3	14:00 – 14:10
Prof. Madan M. REHANI	Radiation Protection in CT	14:10 – 14:30
Prof. Sören MATTSSON	Radiation protection for patients and staff in nuclear medicine	14:30 – 14:50
Prof. Hans RINGERTZ/ Prof. Pek-Lan KHONG	Radiation protection in Children	14:50 – 15:15
Q & A		
<i>Refreshment: 15:15-15:45</i>		
Prof. Pedro ORTIZ LÓPEZ	Accident prevention in radiotherapy	15:45 – 16:05
Prof. Jean Marc COSSETT	Radiation Protection after permanent implants and risk of second cancers after external radiotherapy	16:05 – 16:25
Prof. Donald L. MILLER	Radiation protection in interventional radiology and cardiology	16:25 – 16:40
Prof. Eliseo VANO	Education & Training guidelines	16:40 - 17:00
Q & A		

\*Programme may be subject to changes.

**CME/CPD ACCREDITATION:**

Hong Kong College of Radiologists 2.5 CME/CPD points (Cat. A)  
CME/CPD credit points from other Colleges of the Hong Kong Academy of Medicine and MCHK CME Programme are under application.

**ALL ARE WELCOME !!!**

**Seats for lecture are available on first-come-first-served basis.  
Please contact Ms. Helen Shum at 2871 8788 for reservation of lecture.**

## SPEAKERS:

### **Prof. Eliseo VANO, PhD Chair of ICRP Committee 3 on Radiation Protection in Medicine**

Professor Vano has a PhD in Physics and is specialist in Medical Physics. He is full Professor of Medical Physics at the Radiology Department at the Faculty of Medicine of the Complutense University of Madrid. He is Head of the Medical Physics Service at the San Carlos University Hospital. Prof. Vano is advisor to the Spanish Ministry of Health for radiation protection in medical exposures. He is author of a large number of publications on radiological protection and quality assurance in diagnostic and interventional radiology. He is a member of the group of experts of the Article 31 of the EURATOM Treaty, member of the Editorial Advisor Panel of the British Journal of Radiology, European Journal of Medical Physics and Medical Physics Journal. Prof. Vano is member, and present Chairman of the Committee 3 of ICRP. He is also a consultant of the IAEA and the link with UNSCEAR for the Spanish data on medical exposures.

### **Prof. Jean Marc COSSET, MD Vice Chair of ICRP Committee 3 on Radiation Protection in Medicine**

Professor, Oncology-Radiotherapy (Professeur des Universités - Praticien hospitalier) - Paris XI University. Head, Radiotherapy department, Institut Curie, Paris- 1991- 2006; honorary head, 2006-present. Editor-in-chief of the French "Bulletin du Cancer" (1988-1996), Editor emeritus of "Cancer Radiotherapy" (1996-present), Associate Editor of "Brachytherapy" (2002 – present) and a member of the editorial board of a number of oncology and radiotherapy journals. IAEA expert (Consultant service meetings in Vienna and interventions on irradiation accidents since 1997). Former President, French Society for Radioprotection (SFRP) 1991 – 1992 and former Administrator of the French "OPRI" (Office de Protection contre les Radiations Ionisantes : French Office of Protection against ionizing radiations). Breur Medal recipient ( ESTRO 2001). Member of ICRP Committee 3 since 1997, Vicechairman of ICRP Committee 3 since 2006. Author of more than 250 papers (Pubmed) and of more than 90 books and book chapters.

### **Prof. Madan M. REHANI, PhD Secretary of ICRP Committee 3 on Radiation Protection in Medicine**

Madan Mohan Rehani has been working at the International Atomic Energy Agency, Vienna since Dec. 2001 as Radiation Safety Specialist. He was earlier Professor & Head of Medical Physics Unit at Cancer Hospital of the All India Institute of Medical Sciences New Delhi, India and Head, WHO Collaborating Centre on Imaging Technology & Radiation Protection which he established. He is currently responsible for radiation protection activities in applications of radiation in medicine and coordinates projects in over 60 countries. He is responsible for establishing and maintaining the website <http://rpop.iaea.org>. He has established number of new training programs, in particular for cardiologists and other doctors using X rays and has prepared number of training material. He established and coordinates a network of Asian cardiologists in radiation protection. Member of ICRP since 1997 and was Chair of the Task Groups that resulted in Annals of ICRP 87 and 102 both on Managing patient doses in computed tomography. He was President, Society of Nuclear Medicine, India, 2001, President UPDEL Chapter of the Association of Medical Physicists of India (1990-94), was awarded Homi Bhabha Memorial Oration in 1999, Dr. K.M. Rai oration by Indian Radiological & Imaging Association 2001 and Harold Johns Medal by IOMP in 2009. Founder Fellow and Secretary of the Indian College of Nuclear Medicine. He is currently Secretary-General of IOMP.

### **Prof. Pek-Lan KHONG, FRCR, MD Member of ICRP Committee 3 on Radiation Protection in Medicine**

Professor of Radiology and Head of Department of Diagnostic Radiology, Faculty of Medicine, The University of Hong Kong. Her special interests are in Paediatric Radiology and Oncological imaging. She serves in the editorial board of the journal "Pediatric Radiology" and is a member of the European Society of Pediatric Radiology, Asian-Oceanic Society of Pediatric Radiology and a member of the Scientific Sub-committee of the Hong Kong College of Radiologists. She has published more than 100 original articles in peer-reviewed journals including works in imaging the adverse effects of radiation in the white matter and dosimetry studies of new imaging technologies.

### **Prof. Sören MATTSSON, PhD Member of ICRP Committee 3 on Radiation Protection in Medicine**

Sören Mattsson is a medical physicist and professor of medical radiation physics at Lund University at Malmö and deputy head of the Department of Clinical Radiation Physics, Malmö University Hospital, Sweden. He has worked as a medical physicist, has done/is doing research in the field of medical physics, dosimetry, detector technology, radiation protection, diagnostic imaging (x-ray and molecular imaging), environmental radiology, in vivo elemental analysis and radiation therapy, etc. His main responsibility in ICRP is the evaluation of radiation doses to patients from radiopharmaceuticals. He has got The Erna Ebeling Prize 1992 (Swedish Medical Society), The Bo Lindell Mark of Honour 2002 (Nordic Society of Radiation Protection), The Kurt Lidén Prize 2009 (Swedish Society of Radiation Physics) and the Price to the Memory of Anders Ehrenberg 2009 (Swedish Society of Radiation Biology). He is a former member of the research board of the Swedish Radiation Protection Institute/Authority, the Swedish Cancer Society and chairman of its committee on clinical oncology, with special reference to radiology, has been a special advisor to the Swedish Government concerning future needs in radiation protection research, and a former member of the Swedish National Council for Nuclear Waste. He is a member of editorial or advisory boards of several scientific journals. He has fully or partly supervised over 25 PhD-students, who have got their degrees.

### **Prof. Donald L. MILLER, M.D. Member of ICRP Committee 3 on Radiation Protection in Medicine**

Dr. Miller has been an interventional radiologist at the National Naval Medical Center since 1994 and Professor of Radiology and Radiological Sciences at the Uniformed Services University in Bethesda, MD since 1993. Previously, he was Director of Vascular/Interventional Radiology at the National Institutes of Health Clinical Center from 1982-1993. He received a B.A. in Molecular Biophysics and Biochemistry (Yale University, 1972) and an M.D. (New York University School of Medicine, 1976), and subsequently completed a residency in Diagnostic Radiology and a fellowship in Interventional Radiology at the New York University Medical Center. He is Board-certified in Diagnostic Radiology and Vascular and Interventional Radiology. He has published more than 140 papers in peer-reviewed medical journals and 20 book chapters, has served on the Editorial Boards of Radiology and the Journal of Vascular and Interventional Radiology, and is an Adjunct Investigator in the Radiation Epidemiology Branch of the National Cancer Institute. He is a Fellow of both the Society of Interventional Radiology and the American College of Radiology. Dr. Miller chairs the Safety and Health Committee of the Society of Interventional Radiology and the Interventional Guidelines Committee of the American College of Radiology. He has served as a consultant to the International Atomic Energy Agency and is currently a Member of Council of the NCRP and a member of Committee 3 of the ICRP.

### **Prof. Pedro ORTIZ LÓPEZ, PhD Member of ICRP Committee 3 on Radiation Protection in Medicine**

Radiation safety specialist at the International Atomic Energy Agency. At the IAEA, I have been the head of the Unit on the Radiological Protection of Patients since its creation in 2001 until my retirement in November 2006 and the Scientific Secretary of the International Action Plan on the same subject, in cooperation with the relevant International Organizations and Professional Bodies. In 2003 I received the Distinguished Service Award, the highest distinction that the IAEA grants for outstanding service. After my retirement from the IAEA, I rejoined the Spanish Regulatory Body in December 2006 and was transferred back, on secondment, as a consultant at the IAEA since February 2007, in charge of the project of the Ibero American Forum of Nuclear and Radiation Safety Regulatory Organizations. Previously I was technical director of Siemens in Spain, optimizing the application of medical equipment in hospitals. Subsequently a member of the Regulatory body in Spain and, responsible for licensing medical facilities using radiation, an Associate professor in medical physics at the University of Madrid. I joined the ICRP Committee 3 in 1993. Within the Committee I was the chairman of the task group on Prevention of Accidental Exposure of Patients. My publications relate to patient exposure and image quality, to investigation of accidental medical exposure and to standards of safety for the medical application of radiation.

### **Prof. Hans RINGERTZ, MD, PhD, FACR(HON), FRCR(HON), F.F.R.RCSI.**

#### **Member of ICRP Committee 3 on Radiation Protection in Medicine**

Professor emeritus at Karolinska institutet since 2006. Professor at Linköping University, Sweden since 2006. Chairman of the Board, Center for Medical Image Science and Visualization. Visiting professor, Stanford University since 2004. Existing version: Professor of radiology at the Karolinska institute since 1984. Assistant head of paediatric radiology at Karolinska 1973-77, head of paediatric radiology, Sachs paediatric hospital Stockholm 1977-83. Chairman of Diagnostic radiology, Huddinge university hospital 1984-87 and at Karolinska hospital since 1987. Fellow at University of California in San Francisco, USA 1975, visiting professor 1983-84, adjunct professor there since. Clinical professor at Michigan State University, USA since 1991. Author and co-author of about 215 scientific articles and 6 books. Permanent member of the Nobel Assembly for Physiology and Medicine since 1986. Chairman elect and chairman of the Nobel Assembly and member of the Nobel foundation 2002-2003. Honorary member of 13 radiological societies including the RSNA, F.F.R.RCSI since 1995 and FRCR(Hon) since 1998. President of European Society of Paediatric Radiology 1990-91, of the Swedish Society of Medical Radiology 1995-97, of the European Congress of Radiology 1995-97, of the European Association of Radiology 1997-99, of the Swedish Union of Radiologists and the International Society for Strategic Studies in Radiology since 1999. Treasurer of the International Society of radiology 2000-06, president elect 2006-08, president since 2008.

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