

**Patient Safety in  
Radiation Oncology  
2 Day Workshop**

**PROGRAM**

**4TH-5TH OCTOBER 2012**

*Venue*  
*Novotel Melbourne on Collins*  
*270 Collins Street, Melbourne VIC 3000*

**Day 1 Thursday 4th October 2012**

***Morning***

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	<b><i>Chairperson</i></b>	<b><i>Prof Geoff Delaney</i></b>
08.30	<b>Registration</b>	<b>N/A</b>
09.00	<b>Welcome and Introduction</b>	<b>Dr Joanne Cunningham &amp; Prof Geoff Delaney</b>
09.15	<b>Accidents in radiotherapy</b> <i>Review of selected accidents in RT &amp; Lessons to learn ,focus on introducing new techniques</i>	<b>A/Prof Tommy Knoos</b>
<b>10.20</b>	<b>M O R N I N G T E A</b>	
	<b><i>Chairperson</i></b>	<b><i>Dr Ola Holmberg</i></b>
10.50	<b>Detecting Error and Clinical Consequences</b> <i>Acute and chronic complications of accidents. How can accidents be clinically detected?</i>	<b>Prof Geoff Delaney</b>
11.30	<b>Practice Standards in RO</b>	<b>Prof Tomas Kron</b>
12.00	<b>Review of Australian Radiation Oncology Reporting Systems</b>	<b>Ms Fafine Cahill</b>
12.20	<b>Discussion</b>	<b>All</b>
<b>12.30</b>	<b>L U N C H</b>	

**Day 1 Thursday 4th October 2012**

*Afternoon*

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	<i>Chairperson</i>	<i>Prof Chris Hamilton</i>
13.30	<b>Quality and Safety</b>	<b>A/Prof Mary Coffey</b>
14.20	<b>Incident reporting systems</b> <i>Mandatory vs voluntary systems, internal vs external systems, incidents and near misses</i>	<b>Dr Ola Holmberg</b>
<b>15.20 AFTERNOON TEA</b>		
	<i>Chairperson</i>	<i>Mr Anthony Arnold</i>
15.50	<b>A Just Reporting Culture</b> <i>Recognising the importance of incident reporting to improving safety</i>	<b>A/Prof Mary Coffey</b>
16.10	<b>Classification for Reporting &amp; Learning</b>	<b>Dr Joanne Cunningham</b>
16.30	<b>Group Exercise: Incident Reporting</b>	<b>All</b>
17.30	<b>Feedback session</b> <i>Discussion of results from group exercise</i>	<b>All</b>
18.00	<b>Close</b>	

**19.30 COURSE DINNER**

**Australia Room, Novotel Melbourne on Collins  
270 Collins Street, Melbourne VIC 3000  
Phone : 03 9667 5800**

Day 2 Friday 5th October 2012

*Morning*

Time	Topic	Speaker
	<i>Chairperson</i>	<i>Dr Joanne Cunningham</i>
09.00	<b>The Australian Clinical Dosimetry Service</b>	<b>Dr Ivan Williams</b>
09.30	<b>Focus on Liverpool system for Incident Reporting &amp; Learning</b>	<b>Mr Anthony Arnold</b>
09.45	<b>International Reporting Systems—SAFRON and ROSIS</b>	<b>Dr Ola Holmberg</b>
10.40	<b>Discussion: Incident Reporting and Learning Systems</b>	<b>All</b>
<b>11.00</b>	<b>MORNING TEA</b>	
	<i>Chairperson</i>	<i>Prof Tomas Kron</i>
11.30	<b>Practical risk management methods in healthcare</b> <i>A description of prospective and retrospective risk management tools</i>	<b>Dr Joanne Cunningham</b>
12.15	<b>Failure Mode and Effects Analysis (FMEA) - Critical incident reporting in Brachytherapy methods in healthcare</b>	<b>Dr James McKean</b>
<b>12.30</b>	<b>GROUP PHOTO &amp; LUNCH</b>	

**Day 2 Friday 5th October 2012**  
*Afternoon*

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	<i>Chairperson</i>	<i>A/Prof Tommy Knoos</i>
13.30	<b>Group exercise : Application of risk management tools in Radiotherapy</b> <i>Round table exercise on practical application of risk management tools and concepts</i>	<b>All</b>
15.00	<b>Feedback session</b> <i>Discussion of results from group exercise</i>	<b>All</b>
<b>15.30</b>	<b>A F T E R N O O N T E A</b>	
	<i>Chairperson</i>	<i>A/Prof Mary Coffey</i>
16.00	<b>Current trends for quality assurance in radiotherapy</b>	<b>A/Prof Tommy Knoos</b>
17.00	<b>Response to an event: The patient and the organization</b> <i>Can the treatment be corrected?</i> <i>How?When/what should the patient be told</i> <i>protecting the organization by openness ,</i> <i>or damaging the organisation?</i>	<b>Prof Chris Hamilton</b>
17.30	<b>Closing discussion:</b> <b>What do we do now?</b>	<b>All</b>
18.00	<b>Presentation of Certificates and Close</b>	

## Speakers

### **Anthony Arnold, B. AppSc MRS (Radiation Therapy)**

#### **Director of Cancer Services, ISLHD**

Anthony is the Director of Cancer Services for Illawarra Shoalhaven Local Health District in South Eastern NSW.

Anthony commenced his health career as a radiation therapist in 1995 and over the years had worked in numerous different clinical and management capacities within radiation oncology.

Anthony is a current member of the A.I.R. Radiation Therapy Advisory Panel (RTAP), and the NSW Cancer Council Southern Region Advisory Group. In recent times has been working on the development and delivery of new and expanded cancer centres in South Eastern NSW.

Anthony has a strong quality focus around incident reporting, oncology information systems and service development in the rural / regional sectors throughout Australia.



### **Associate Professor Mary Coffey**

***Associate professor and Head of the Discipline of Radiation Therapy in the School of Medicine, Trinity College Dublin and former member of the Board of Trinity College Dublin.***

Associate Professor Mary Coffey was responsible for the development of the (honours) degree programme in Radiation Therapy in Ireland and was chairperson of the project groups responsible for the development and subsequent revisions of the European Curriculum for Radiotherapy Technologists. She was the founder of the Radiotherapy Technologists Group of the European Organisation into Research and Treatment of Cancer (EORTC), co-founder and past chairperson of the Radiation Therapists Committee of The European Society for Therapeutic Radiology and Oncology (ESTRO) and past president of the Irish Institute of Radiography.



Mary is consulted as an expert in Radiotherapy at home and abroad. She is the first Radiation Therapist (RT) to be elected to the Board of ESTRO and will serve as a Board member for three years. She has been responsible for several European projects and has been the chairperson or a member of the RT scientific committees for the ESTRO annual international meetings since 1992. She has worked as an invited expert with the International Atomic Energy Association (IAEA) on the development of curricula for the low to middle income countries and as a faculty member developing the course material for the IAEA course of Safety in Radiotherapy and has been a member of the teaching faculty on four teaching courses based on this material held in Khartoum, Ankara, Kuala Lumpur and Bangkok. She was a member of the expert group reporting on Radiotherapy Services in Ireland and is currently a member of the IAEA QUATRO Clinical Audit team. She is a founder member of the Radiation Oncology Safety Information System (ROSIS) and faculty member for the annual ROSIS course, as well as being a faculty member on the newly developed ESTRO Risk Management course.

Mary has received a number of awards throughout her career in recognition of her exceptional contribution to radiotherapy: the Gunilla Bentel award for service to radiotherapy (2006), the first fellowship of the Irish Institute of Radiography and Radiation Therapy (2007), and the ESTRO Emmanuel van der Scheuren award (2009).

Mary has dedicated most of her working life to improving the quality of care given to cancer patients by raising the standard of education of RTs.

### **Dr Joanne Cunningham**

*Assistant Professor, Discipline of Radiation Therapy, School of Medicine, University of Dublin, Trinity College, Ireland*

Joanne Cunningham graduated as a Radiation Therapist from the University of Dublin, Trinity College (TCD) in 2001, winning the St. Luke's Prize. She worked clinically with St Luke's Hospital in Dublin before moving to her current post as a lecturer with TCD in 2002. In 2004, Joanne was awarded a H.Dip in Health Care Risk Management from University College Dublin.



Joanne is a member of the Radiation Oncology Safety Information System (ROSIS) Group and has presented on ROSIS at many national and international meetings. In 2011 she completed her doctoral thesis on "A reporting and learning system for radiation oncology".

Joanne has considerable involvement with the European Society for Radiotherapy and Oncology (ESTRO), having served on the Radiation Therapists (RTT) Committee, the Education and Training Committee and Scientific Committees for ESTRO Meetings, being appointed Director/Faculty of ESTRO Courses, and Editor of the RTT Newsletter.

### **Ms Fífine Cahill**

*Assistant Secretary, Primary Care, Diagnostics and Radiation Oncology Branch*

Ms Fífine Cahill (BA/LLB) is currently the Assistant Secretary, Primary Care, Diagnostics and Radiation Oncology Branch, Medical Benefits Division, in the Australian Government Department of Health and Ageing. This includes responsibility for Medicare Benefits Schedule funding and associated regulations for diagnostic imaging and radiation oncology.



Ms Cahill joined the Medical Benefits Division in 2006 and has worked in a number of other roles across the division. Prior to this, she worked at the Department of the Prime Minister and Cabinet.

### **Professor Geoff Delaney**

*Prof of Radiation Oncology UNSW/Director of Cancer Services, Sydney South West Local Health District*

Professor Delaney is Director of Cancer Services for Sydney South West Local Health District. His main clinical interest is breast cancer. He has research interests in health services-based research, minimising radiation error, the implementation of multidisciplinary care, survivorship and health service delivery inequities in radiation therapy. He has published research in the international literature (over 120 peer-reviewed papers, reports and book chapters), presented scientific papers and posters at national and international meetings.



He has had significant involvement in policy decision making and planning of services through a number of committee responsibilities ranging from those at the hospital level through to State and National Oncology initiatives.

## **Associate Professor Tommy Knoos**

***PhD, Assoc. Prof., Head of Radiation Physics, Lund University and Skåne University Hospital, Malmö, Sweden***

Associate Professor Tommy Knöös was awarded an MSc in medical physics in the seventies at Lund University (Sweden) and during the eighties combined clinical work at Malmö University Hospital (Sweden) with PhD studies ending up with a thesis in 1991 with the title “Dose planning and dose delivery in radiation therapy”.



Tommy then joined a very productive research group to Lund University Hospital, especially active in quality assurance of new dose calculation algorithms etc. In 1996, Tommy was invited as Lecturer at University of Pennsylvania in US, where he was subsequently appointed as Assoc. Prof. During this period he was introduced to Monte Carlo simulations and on his return to Lund introduced that for research within the radiotherapy group there.

After 10 years he left to work as medical physicist at the Rigshospitalet in Copenhagen, Denmark, but returned to Lund in 2002 to take up the position of Assistant Head of Medical Physics in Lund in 2002. This includes services to Diagnostic Radiology, Radiation Oncology and Nuclear Medicine. After five years Tommy became the head of the department; in 2011 the departments in Malmö and Lund joined under the joint name Skåne University Hospital, which Tommy is leading.

Tommy has contributed significantly to the professional community, in particular through his role with ESTRO. Tommy was recruited to the ESTRO physics committee around 2003 after involvement in various ESTRO pre-meeting courses/symposiums as lecturer/course director. More recently, he has been a key member of the scientific committees for the last four biennial physics meeting and the four last ESTRO meetings, and in 2008 was chair for ESTRO 27 in Göteborg, Sweden together with Prof. Vincent Gregoire (then the president of ESTRO). Tommy was also member of the QUASIMODO group under the chair of Prof. Ben Mijnheer which produced two ESTRO physics booklets on quality assurance of treatment planning systems and intensity modulated radiation therapy. Tommy is currently the Chair of the ESTRO physics committee, and has also been a member of the board of ESTRO for the last three years.

One of Tommy’s main areas of interest is risk management; he is a founder member of the ROSIS Group (Radiation Oncology Safety Information System) and is regularly an invited speaker on this topic.

## **Dr Ola Holmberg**

***Head of the Radiation Protection of Patients Unit (RPop) at the International Atomic Energy Agency (IAEA), Vienna, Austria***

Dr. Ola Holmberg is the Head of the Radiation Protection of Patients Unit (RPop) at the International Atomic Energy Agency (IAEA), Vienna, Austria – an organization within the United Nations family. He is a medical physicist from Sweden with many years of radiotherapy experience from Skåne University Hospital, Malmö, Sweden; St. Luke's Hospital, Dublin, Ireland; The Netherlands Cancer Institute, Amsterdam; and just prior to his appointment at the IAEA he was the Chief Physicist at Copenhagen University Hospital, Herlev, Denmark.



He is a co-founder of the Radiation Oncology Safety Information System (ROSIS, 2001) an international voluntary safety reporting system for radiotherapy, and has also participated as a Task Group member for the International Commission on Radiological Protection (ICRP) on prevention of accidental exposures from new external beam radiation therapy technologies, which led to ICRP Publication 112.

Dr Holmberg has published many scientific papers on radiation protection of patients, including in journals such as The Lancet. He has served as Course Director for ESTRO on radiotherapy treatment planning and has also lectured on prevention of accidents in radiotherapy in many different countries.

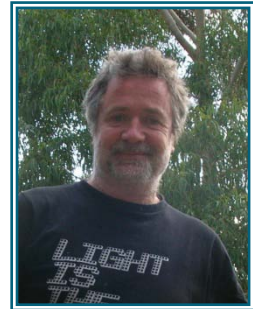


He is the Scientific Secretary for the Steering Panel of the International Action Plan for Radiation Protection of Patients, a body with participation of many international organizations, including the IAEA, WHO, UNSCEAR, ICRP and ICRU, and he is currently the Scientific Secretary for an upcoming International Conference on Radiation Protection in Medicine - Setting the Scene for the Next Decade, to be held in Bonn, Germany, 3-7 December 2012.

### **Professor Tomas Kron**

#### ***Principal Research Physicist, Peter MacCallum Cancer Centre, Victoria***

Tomas Kron was born and educated in Germany. After his PhD he migrated to Australia in 1989 where he has worked in a number of radiotherapy departments. He worked in Canada on the commissioning of one of the first tomotherapy units for 3 years and is since 2005 principal research physicist at Peter MacCallum Cancer Centre in Melbourne, Australia.. Tomas has an interest in dosimetry of ionising radiation, treatment verification, image guided radiotherapy and clinical trials quality assurance. He has co-authored a radiotherapy textbook and published more than 150 papers in refereed journals. From 2008 to 2009 Tomas Kron was president of the ACPSEM.



### **Dr Ivan Williams**

#### ***Director Australian Clinical Dosimetry Service, Australian Radiation Protection & Nuclear Safety Agency (ARPANSA)***

Ivan Williams has fourteen years experience as a professional medical physicist, initially at the Peter MacCallum Cancer Centre, (PMCC) and St Luke's hospital Dublin, Ireland. Interspersed with his early clinical work he obtained a MSc (Research) in physics From the University of Melbourne by designing, building and testing a parallel-plate ionisation chamber. In 2004 Ivan was attracted back into full-time research and completed his doctorate at Monash University in 2008. Dr Williams left Ireland in 2010 as Acting Head of the Department of Physics at St Luke's Hospital to be the inaugural Director of the Australian Centre for Clinical Dosimetry



### **Professor Chris Hamilton**

#### ***Professor/Director of Radiation Oncology, Austin Health, West Heidelberg***

Prof Hamilton practiced as a general Radiation Oncologist at Newcastle, New South Wales, Australia for 17 years between 1988 and 2004. In that setting he had significant interest in breast cancer colorectal, prostate cancer, head and neck cancer and lung cancer. He has had experience in brachytherapy at a variety of sites and synchronous chemoradiotherapy in all tumour sites. Between 2004-2008 he was employed for 4 years as a Clinical Oncologist in the United Kingdom and has returned to take up a post as Professor and Director at the Radiation Oncology Centre Austin/Repat Hospital.



He has had long-term research in clinical radiobiology, laboratory radiobiology, radiobiology modelling, clinical dosimetry, oncology information systems, quality assurance and a large variety of radiation trials and trial design.

He has had significant involvement with the Royal Australasian College of Radiologists (Faculty of Radiation Oncology) in terms of quality assurance, dosimetry and currently sit on the Faculty board. He is actively involved in TROG (Trans Tasman Radiation Oncology Group) and is actively involved in the IAEA (International Atomic Energy Agency) as a Radiation Consultant.

Our thanks go to the following Gold Sponsors for their generous support of this Workshop



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Australian Clinical Dosimetry Service  
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Our thanks go to the following Bronze Sponsors for their generous support of this Workshop



# CPD Appellations



AIR has approved the appellation for ROSIS and the number and title is 400.18

ROSI - Patient Safety in Radiation



ACPSEM endorsement of the '*Patient Safety in Radiation Oncology*' has been approved by the CPD Coordinator. Upon successful completion, Participants



RANZCR endorsement of the '*Patient Safety in Radiation Oncology*' has been approved by the CPD Coordinator. Upon successful completion, **14 CPD points** can be claimed for attendance by Radiation Oncologists in

