



Radiation Oncology Safety Course

Minimising the impact of incidents in radiotherapy

Discipline of Radiation Therapy, School of Medicine, Trinity College, Dublin, Ireland

Endorsed by **ESTRO**

9th - 12th September 2013

Day 1: Risk and the concept of Risk

Monday 9th September 2013

08:30 – 09:00	Registration
09:00 – 09:15	Welcome and introduction (Mary Coffey)
09:15 – 10:15	The concept of risk (speaker to be announced)
10:15 – 10:45	Coffee
10:45 – 11:30	Setting the scene: Major accidents in radiotherapy I (speaker to be announced) Accidents related to treatment planning
11:30 – 12:15	Setting the scene: Major accidents in radiotherapy II (speaker to be announced) Accidents related to treatment units
12:15 – 13:00	Analysing risk (speaker to be announced) Including the influencing factors
13:00 – 14:00	Lunch
14:00 – 15:00	An accident involving multiple patients (Geoff Delaney)
15:00 – 16:00	An accident involving a single patient (Tommy Knöös)
16:00 – 16:30	Coffee
16:30 – 17:15	Group exercise: Initial analysis of one accident
17:15 – 18:00	Feedback session Discussion of results from group exercise.
18:00	Icebreaker reception

Day 2: Reporting incidents and near incidents as part of the learning cycle

Tuesday 10th September 2013

09:00 – 10:15	The special role of incidents and near misses and Incident Reporting Systems (speaker to be announced)
10:15 – 10:45	Coffee
10:45– 11:25	ROSI (Mary Coffey) Radiation Oncology Safety Information System
11:25 – 12:05	SAFRON (Ola Holmberg) The IAEA safety system
12:00 – 12:40	PRISMA (Petra Reijnders) The system used throughout The Netherlands
12:40 – 13:40	Lunch
13:40 – 14:20	The Australian System (Geoff Delaney)
14:20 – 15:20	Group exercise: Using reporting systems
15:20 – 15:40	Coffee
15:40 – 16:20	Feedback session Discussion of results from group exercise
16:20 – 17:00	Information as a safety tool (speaker to be announced)
19:30	Course dinner

Day 3: Managing and learning from the incident

Wednesday 11th September 2013

09:30 – 10:15	Communication (speaker to be announced) Within the organisation and external.
10:15 – 11:15	Human Factors (Derek Ross)
11:15 – 11:45	Coffee
11:45 – 12:15	Just Culture (Derek Ross)
12:15 – 13:00	Group Exercise
13:00– 14:00	Lunch
14:00 – 15:00	HFMEA (Petra Reijnders-Thijssen)
15:00 – 16:15	Group exercise: HFMEA (including coffee)
16:15 – 17:00	Feedback session Discussion of results from group exercise.

Day 4: Minimising incidents and their impact

Thursday 12th September 2013

09:00 – 09:30	An accident involving a single patient (Tommy Knöös)
09:30 – 10:30	Clinical consequences (speaker to be announced)
10:30 – 11:00	Coffee
11:00 – 11:10	Group photo
11:10 – 12:00	Group exercise: The accident analysis revisited What have you learnt from the past three days?
12:00 – 12:45	Group feedback and discussion
12:45 – 13:00	presentation of Certificates of Attendance

Course Lecturers

Mary Coffey, M.A., H.D.C.R., T.D.C.R., F.A.E.T.C.

Adjunct Professor, Discipline of Radiation Therapy, Trinity College, Dublin, Ireland and Senior Lecturer in Radiation Therapy.

Tommy Knöös, B.SC., M.SC., PH.D.

Assoc Prof and Head of Radiation Physics, Skåne University Hospital and Lund University, Sweden

Derek Ross

School of Psychology, Trinity College Dublin

Petra Reijnders-Thijssen, M.A.

Manager Patient Safety, MAASTRO Clinic, Dr. Tanslaan 12, 6229 ET Maastricht, The Netherlands

Professor Geoff Delaney, MBBS, MD, PhD, FRANZCR

Director of Cancer Services, South Western Sydney Local Health District, Australia.

Ola Holmberg, B.SC., M.SC., PH.D.

Head, Radiation Protection of Patients Unit, Radiation Safety and Monitoring Section, IAEA