



Radiation Oncology Safety Course

How to create a safer radiotherapy environment

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

Endorsed by ESTRO

2nd – 5th September, 2019

Day 1: Risk Management, Incidents and Consequences

Monday 2nd September, 2019

08:30 – 09:00	Registration
09:00 – 09:15	Welcome and introduction (Mary Coffey)
09:15 – 10:15	The concept of risk and risk management (Mary Coffey)
10:15 – 10:45	Coffee
10:45 – 11:45	Setting the Scene: What can we learn from past incidents (Tommy Knoos)
11:45 – 12:30	Clinical consequences (Geoff Delaney) Including the influencing factors
12:30 – 13:15	HDR incident in the Maastric Clinic (Petra Reijnders)
13:15 – 14:15	Lunch
14:15 – 15:00	An incident involving a single patient (Tommy Knoos)
15:00 – 15:30	Introduction to the Bow Tie methodology (Petra Reijnders)
15:30 – 16:00	Coffee
16:00 – 17:45	Group exercise using Bow Tie method (Petra Reijnders).
17:45 – 18:15	Feedback session
18:15	Icebreaker reception

Day 2: Minimising incidents or the impact of incidents

Tuesday 3rd September, 2019

09:00 – 10:15	Incident reporting to support learning (Geoff Delaney)
10:15 – 10:45	Coffee
10:45– 12:00	Safety Profile Assessment (SPA) introduction and exercise (Todd Pawlicki)
12:00 – 12:45	Introducing new technology / techniques (Tommy Knoos)
12:45 – 13:45	Lunch
13:45 – 14:45	Exercise on introducing new technology/techniques
14:45 – 15:15	Coffee
15:15 – 16:15	ALERTS (Petra Reijnders)
20:00	Course dinner

Day 3: Human Factors and prospective risk analysis

Wednesday 4th September, 2019

09:30 – 10:15	Communication and Just Culture (Mary Coffey)
10:15 – 11:15	Human Factors (Todd Pawlicki)
11:15 – 11:45	Coffee
11:45 – 12:45	The Patient Perspective (TBA)
12:45– 13:45	Lunch and Group photo
13:45– 14:45	Safety Assessment (Todd Pawlicki) HFMEA and STPA
14:45 – 16:45	Interactive safety assessment exercise (Todd Pawlicki) 14:45 – 15:00: Break into smaller groups, choose analysis technique 15:00 – 15:15: Watch video of incident, ask clarification questions 15:15 – 16:15: Work on safety assessment in smaller groups 16:15 – 16:45: Compare/control analysis techniques with full group

Day 4: Managing the consequences of an incident

Thursday 5th September, 2019

09:00– 09:30	‘Whistle blowing’ (Mary Coffey)
09:30– 11:30	Analysis of an accident involving multiple patients (Geoff Delaney)
11:30– 12:00	Coffee
12:00 – 13:00	Clinical and technical actions to address the consequences (Geoff Delaney)
13:00 – 13:30	Feedback and presentation of Certificates of Attendance

Course Lecturers

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