

Applying radiation safety procedures in practice

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**Nuclear Techniques
in Human Health**

Prevention, Diagnosis, Treatment

Discipline of Radiation
Therapy, Trinity College
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The Safety Challenges

- The introduction of complex technology
 - No transition from simple to complex
 - Lack of educational infrastructure
 - Centre isolation



Applying safety procedures in practice



- Protocols and procedures
- Telemedicine
- Incident/near incident reporting and learning systems

Applying safety procedures in practice



- Protocols and procedures
 - Developed and maintained by a multidisciplinary group
 - Reflects all perspectives
 - Sense of ownership
- Quality and Safety Committees
- Commitment of management
 - Safety as a priority

Applying safety procedures in practice



- Telemedicine facilities
 - National/international communication
 - Expert advice
 - Shared decision making
 - Increase knowledge through teaching potential and shared information

Learning from incidents/near incidents



- Reporting incidents/near incidents
 - Tool to provide data
 - Improved understanding of the risks
 - Facilitates analysis and feedback
 - Underpins considered changes in process and practice

Barriers to reporting

- Blame culture
 - Fear of sanction
 - Professional pressure



<http://teachersreflect.files.wordpress.com/2012/11/watching-you.png>



http://www.doctordisruption.com/wp-content/uploads/2013/04/01_intro.jpg

- misinterpretation



Conclusion

- Teamwork
 - Safety is everybody's responsibility and everybody has something to offer
- Appropriate education
- Learning from the experience of others and sharing yours



The background is a vibrant blue with a complex, abstract pattern. It features several concentric circles and radial lines that create a sense of depth and movement, resembling a stylized sunburst or a series of overlapping rings. The colors range from a deep, dark blue to a lighter, almost white blue in the center.

Thank you