

**62nd Regular Session of the IAEA General Conference
Senior Regulators' Meeting – September 20th 2018**

Perspectives of a Radiation Protection Officer

Dr. Amy Orders

Objectives

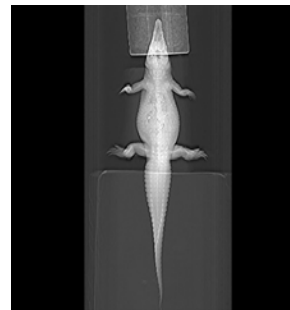
- 1- Safety culture and the BSS
- 2- Novel aspects of veterinary radiation safety
- 3- ALARA challenges in academics and research environments
- 4- Policy implementation via communication and practicality

Safety Culture and the BSS

- Organizational safety systems and behaviors
- Staff perceptions of management
- Risk perceptions
- Teamwork and communication
- Regulatory burden and expectations



Novel aspects of veterinary radiation safety



ALARA challenges in academic and research environments



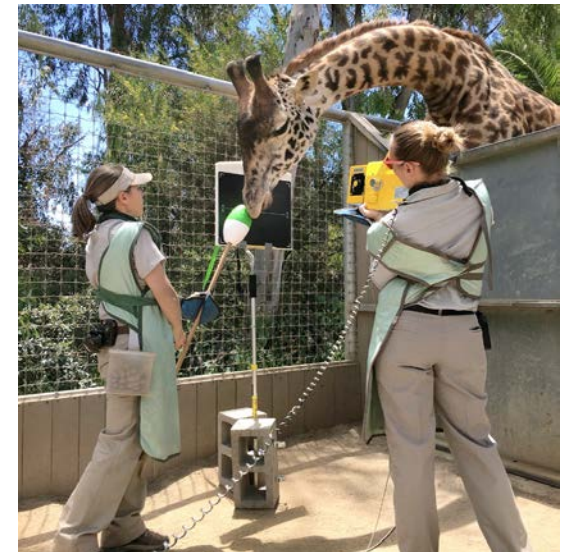
- Occupational concern from increased density = increased ALARA considerations
- Authentic imaging situations = ALARA second to worker safety
- Diagnostic quality = situational dependent versus safety as situational independent

Policy implementation via communication and practicality

Conventional diagnostic and interventional methodologies do not extend to all use cases

Situational awareness of challenges associated with veterinary imaging modalities, inclusive of x-ray generating devices, radioactive materials, non-ionizing radiation options

Collaborative network of professionals extending beyond the radiation worker to public/owners and unique location where services are needed



Conclusion



Implementation of BSS principles must remain agile and adapt with levels and expectations of patient care, as well as access to advanced technologies and techniques



Practicality of application must meet the regulatory burden of safety and compliance without diminishing diagnostic, therapeutic or research opportunities



Novel patients require novel risk management and mitigation. Communication and shared understanding of goal is paramount to worker safety