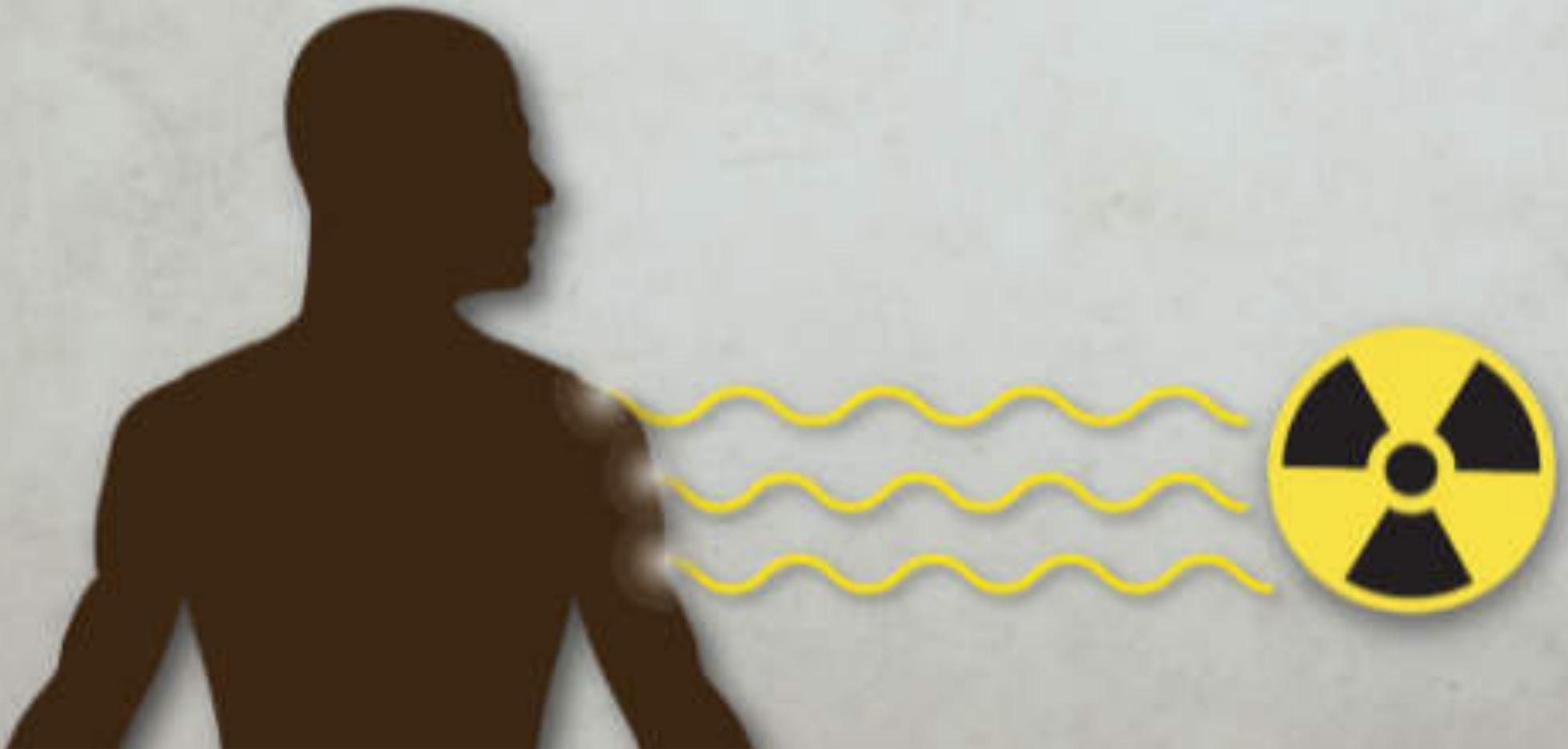




**RADIATION**  
SOLUTIONS

## Harmful Effects of Ionizing Radiation

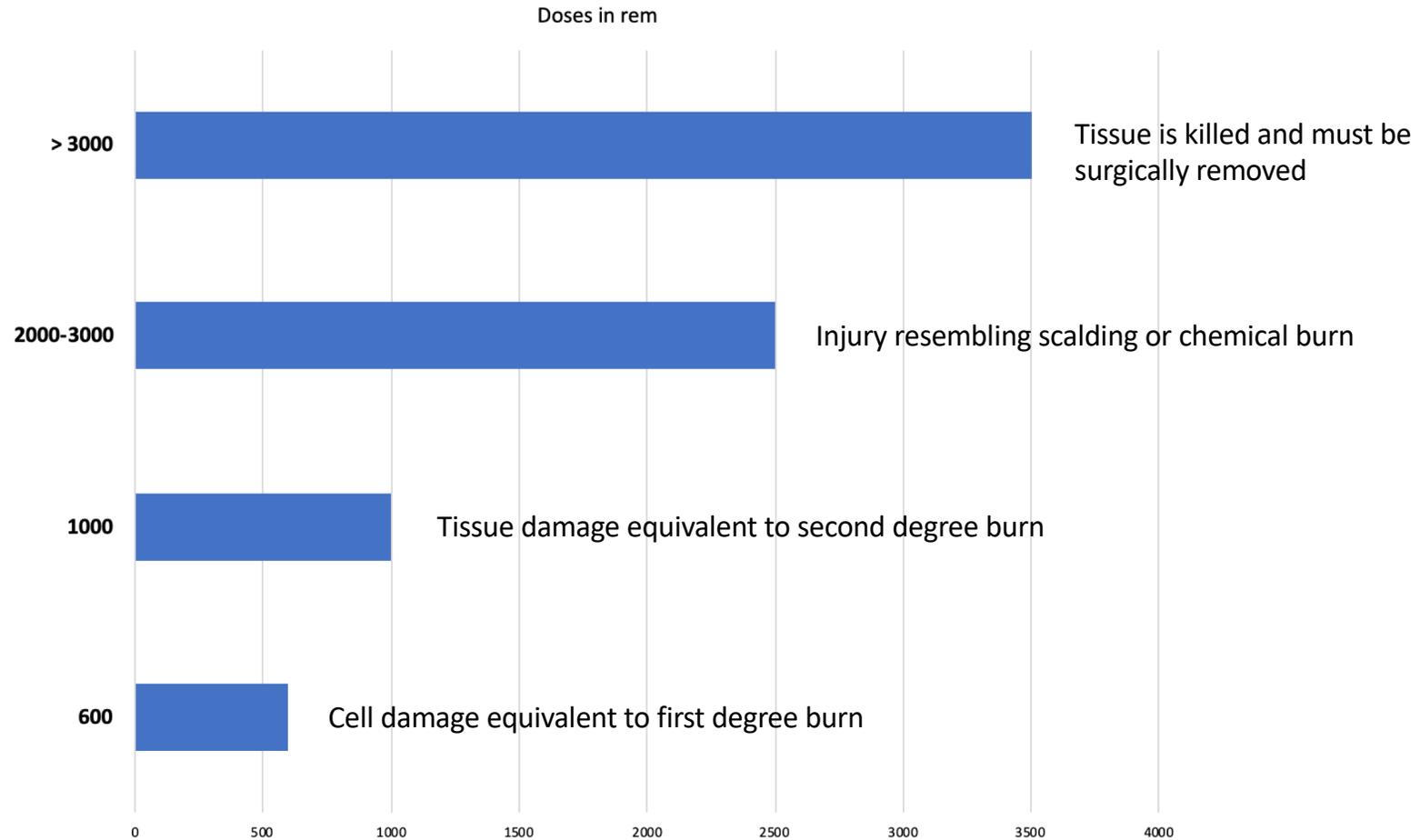




## Historical Perspective



## Effects of One-Shot Doses





Dose: 20,000 rems



Example Iridium  
Radiography Projector

The Iridium radioactive source is only about the size of the end of a pencil



31 days after incident



Skin flap sewn on



19 months after incident



### **Front Pocket Carry**

**Double leg amputation  
due to artery disintegrating**



### **Construction Watchman**

March – October 1962

Brought home: 5 Curie Co-60 Source

Resulting Deaths:

- Wife
- Son
- Daughter
- Mother-in-law



### 2010 India

- Irradiator sold as scrap
- 7 Workers impacted
- 1 Death



# RADIATION SAFETY

- Accidents happen
- Stealthy nature of radiation necessitates we always remain diligent
- Over-Exposures impact lives, don't let it happen under your watch
- Radiation Safety should always be at the forefront of your mind
- Don't ever forget the potential damage it can cause