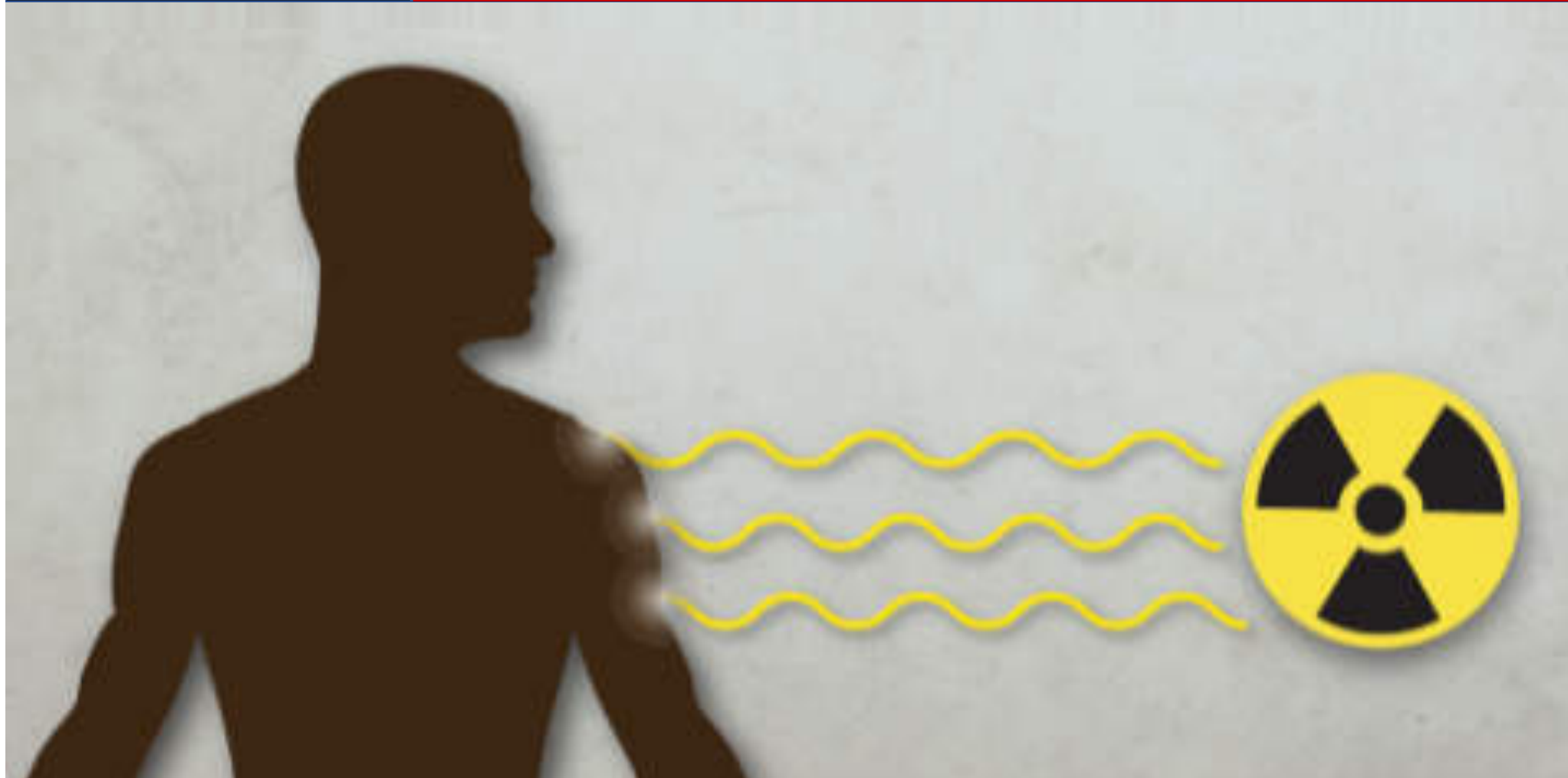


Harmful Effects of Ionizing Radiation



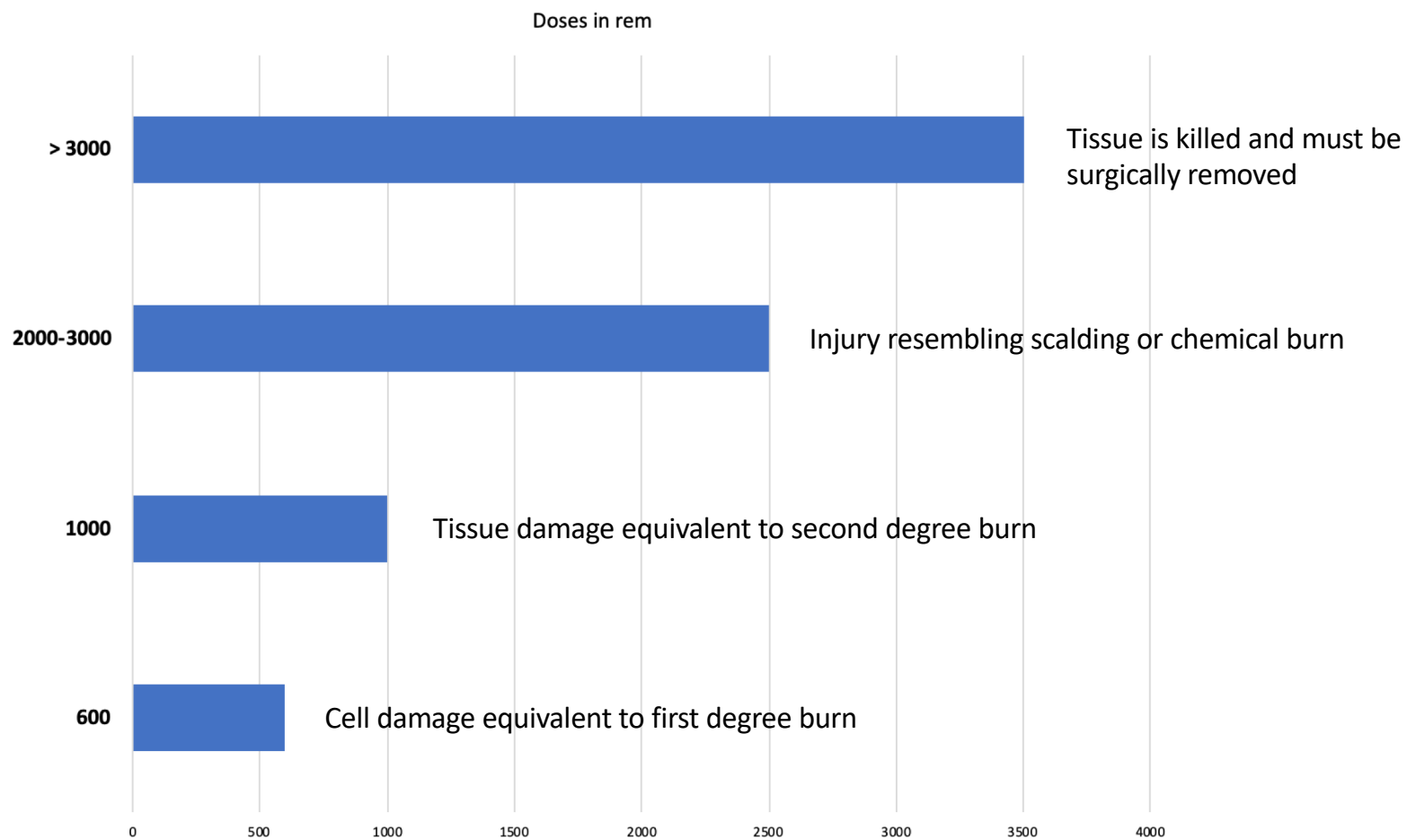


Historical Perspective

Immediate & Long Term Effects



Effects of One-Shot Doses





Severe Radiation Burn Cases

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

Severe Radiation Burn Cases



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