Post-Lecture #14: Radiopharmaceutical Therapy

1. Practice using the inverse-square law for the following situations:

   (a) Your ionization chamber survey meter records 50 mR/min while standing 2 feet from a source. How many mR/min would you expect to record if you stepped one foot closer?

   (b) A point source has an exposure rate of 25 shmorgles/shmingle at a distance of 1 meter. How many meters away must I be to measure 1 shmorgle/shmingle?

2. A patient, their father, and their grandfather all have cancers that can be treated with Lutathera, Pluvicto, and Xofigo, respectively. Write a few short paragraphs describing to each patient what their treatment will involve in great detail, and how their treatments and at-home life may differ between them.