

The image shows the exterior of a modern medical building at night. The building features a large glass facade on the left side, revealing the interior structure and warm lighting. The upper part of the building has a blue, curved architectural element. To the right, a brick building with multiple windows is visible, some of which are illuminated. The sky is dark blue. The text "UC SAN DIEGO RADIATION ONCOLOGY CLINICAL CLERKSHIP" is overlaid in white, sans-serif font on the upper left portion of the image.

UC SAN DIEGO RADIATION ONCOLOGY CLINICAL CLERKSHIP

Takafumi Suzuki

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Southern California



America's finest city

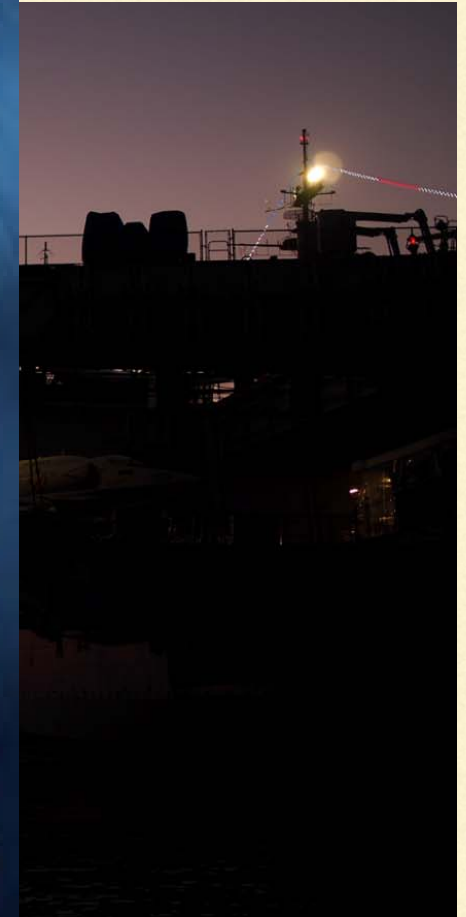


Surf city





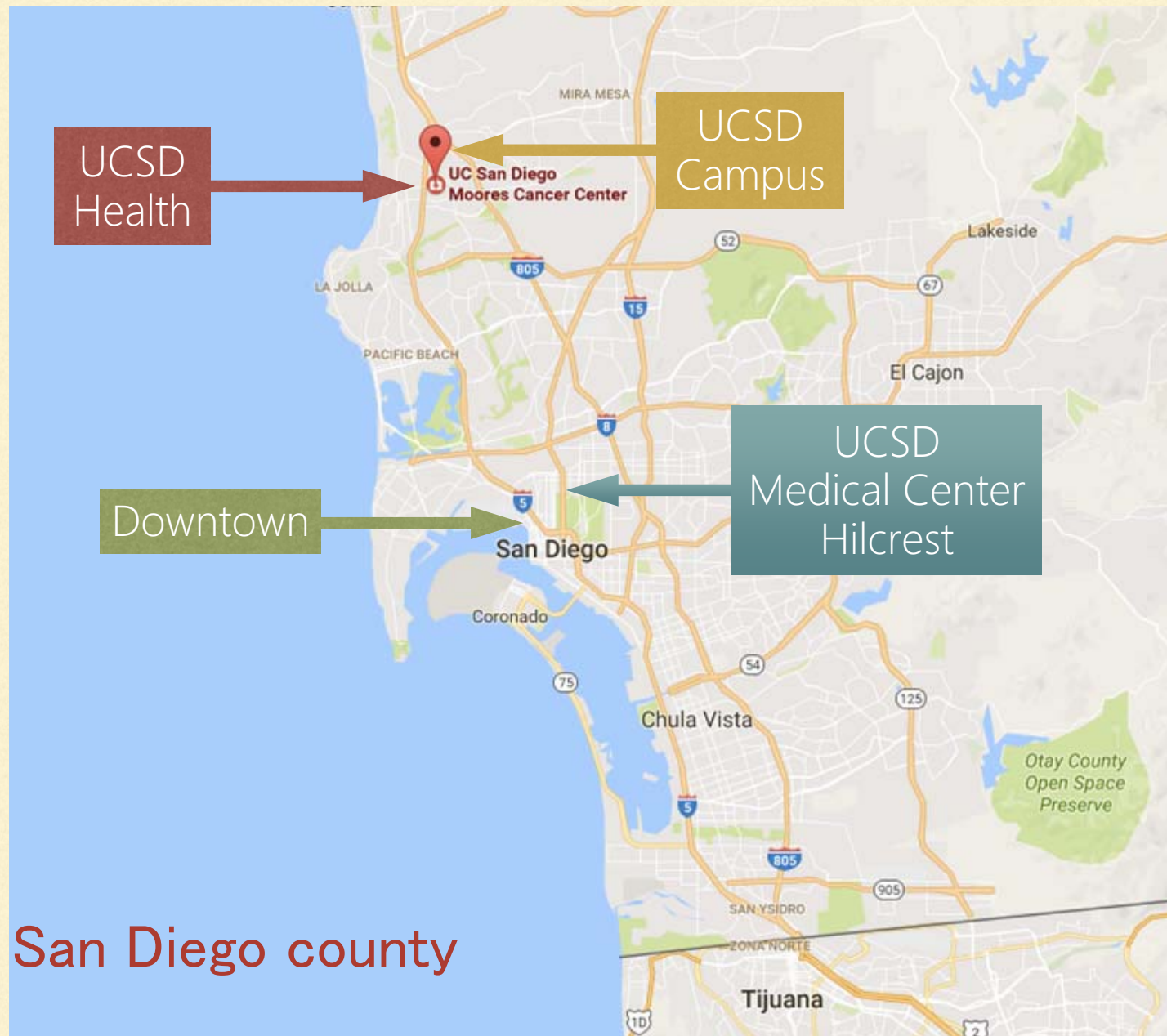
Fightertown



UC San Diego Health



Location



Facilities

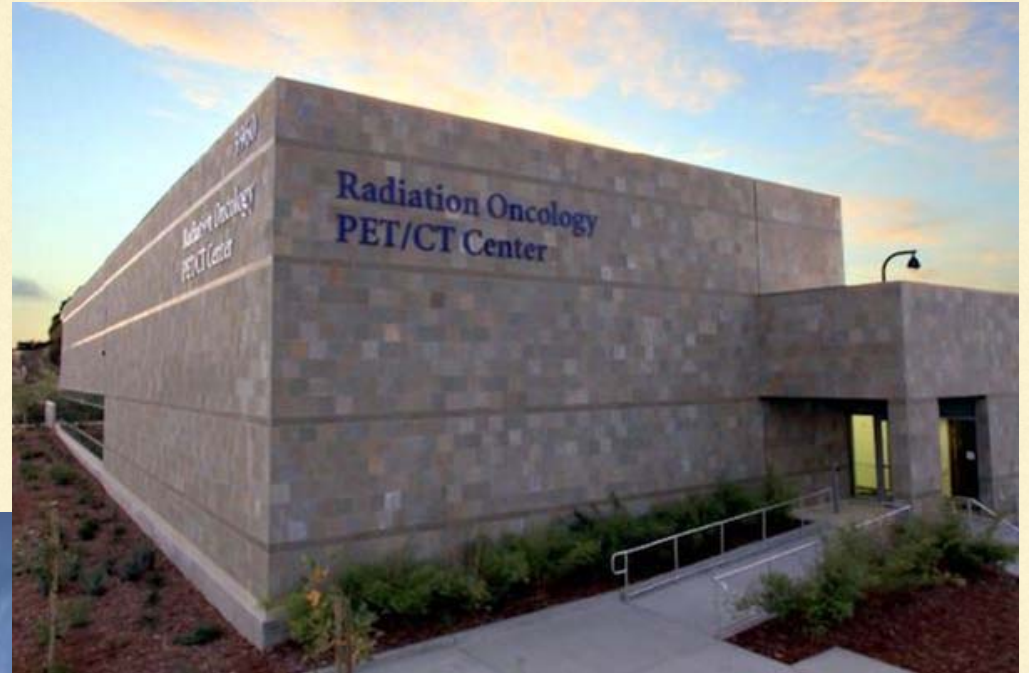
Jacobs Medical Center, Thornton Pavilion

- 2 inpatient hospitals with 483 beds



Moore's Cancer Center and PET/CT Center

- outpatient hospital for radiation/chemotherapy



- Level I Trauma Center (Emergency Room)
- Cardiovascular Center
- Glaucoma Center



Radiation Therapy(RT)

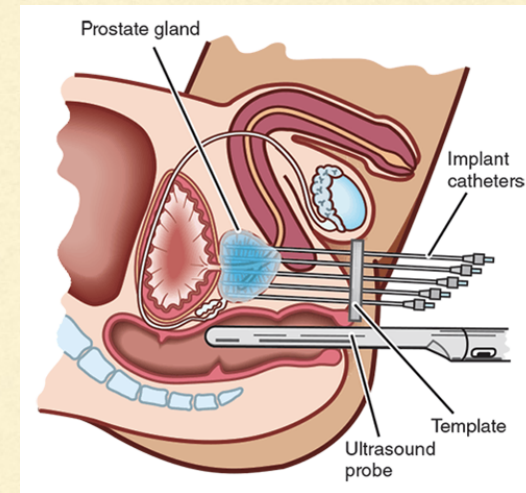
“Local” therapy v.s. chemotherapy(systemic therapy)

● Purpose of RT

- Curative; kill cancer
- Palliative; kill pain, not cancer
(eg; bone mets of lung cancer)

● Types of RT

- External Radiation; linear accelerator
- Internal Radiation=Brachytherapy
(eg; prostate/GYN cancer)



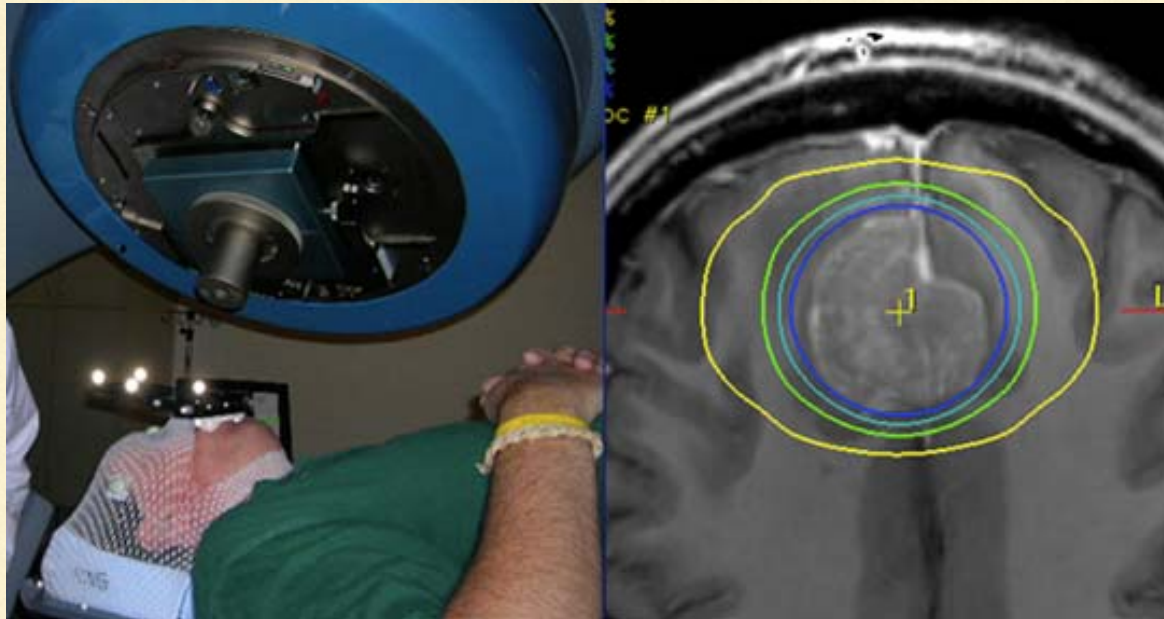
UCSD Radiation Oncology

- Moores cancer center + PET/CT Center



UCSD Radiation Oncology

- 16 radiation oncologists and 11 residents
- Dosimetry office
- 4 linear accelerators
- 2 Brachytherapy(internal radiation) units
- simulation CT and MRI



My Course

- Example of My Schedule

07:30 Lecture for Resident

09:00 Consultation with attending physicians

12:00 Chart Round

13:00 Dosimetry and Radiation Therapy

15:00 Follow-up

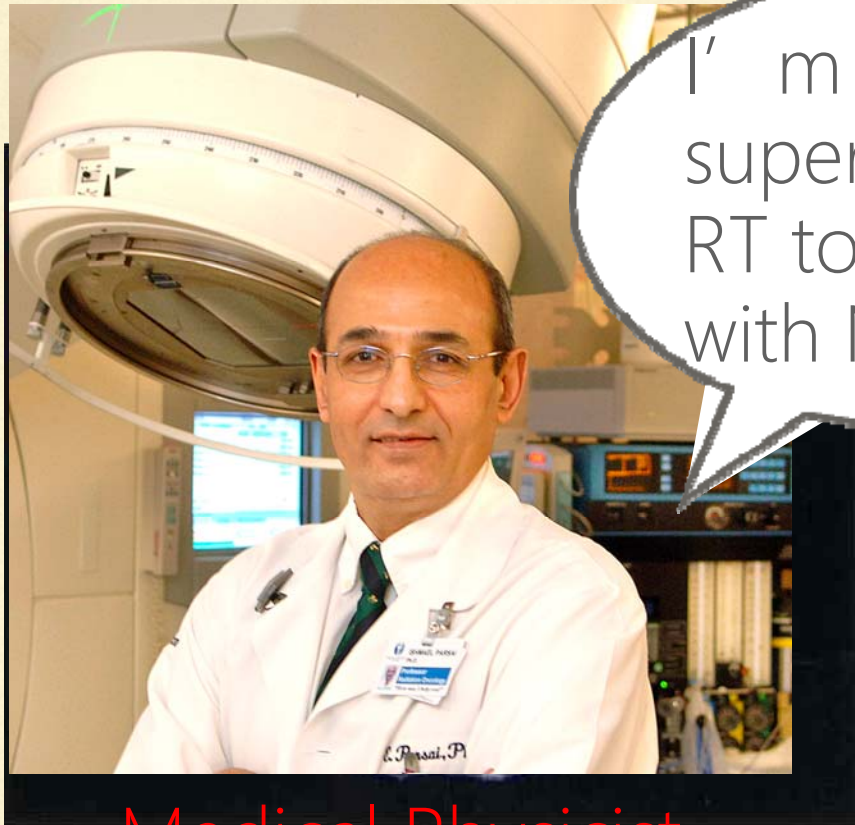


What's the Difference?

1. Specialization and Subdivision

● Additional Specialists

- Medical Physicist; supervisor of RT
- Dosimetrist; specialist of radiation mapping



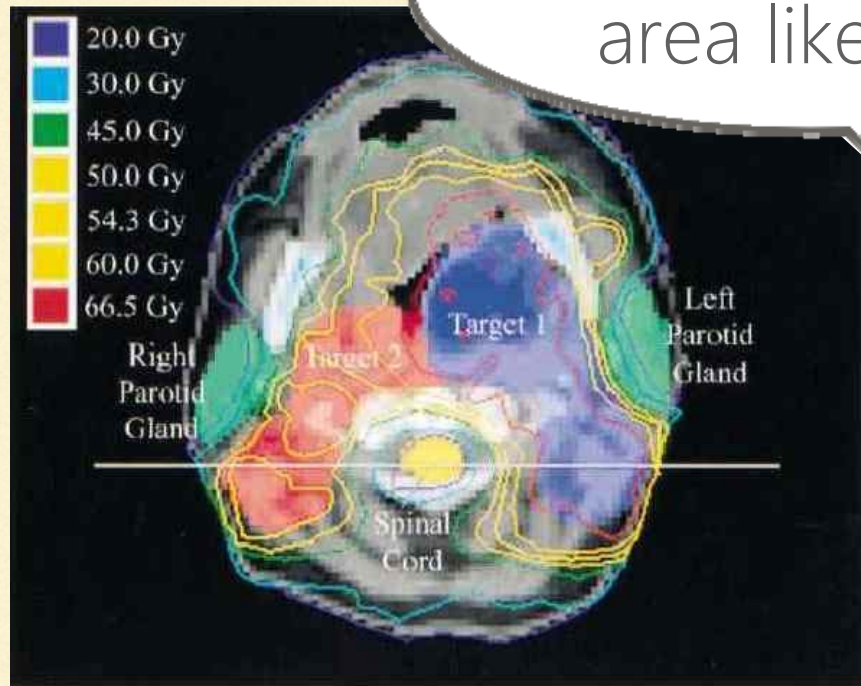
Medical Physicist

What's the Difference?

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I draw radiation area like this.

I'm mapping radiation sites and doses!



Dosimetrist

What' s the Difference?

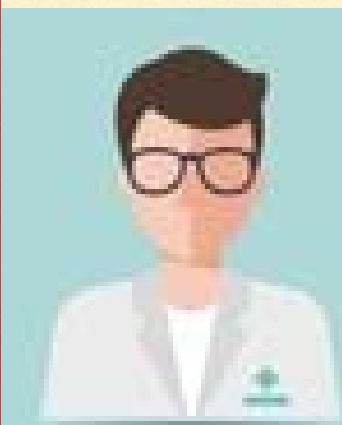
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Medical
Physicist



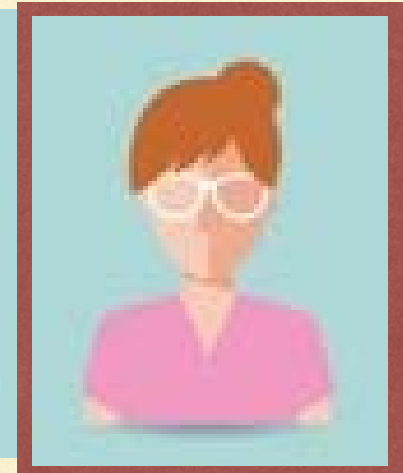
Radiation
Technologist



Radiation
Oncologist



Nurse

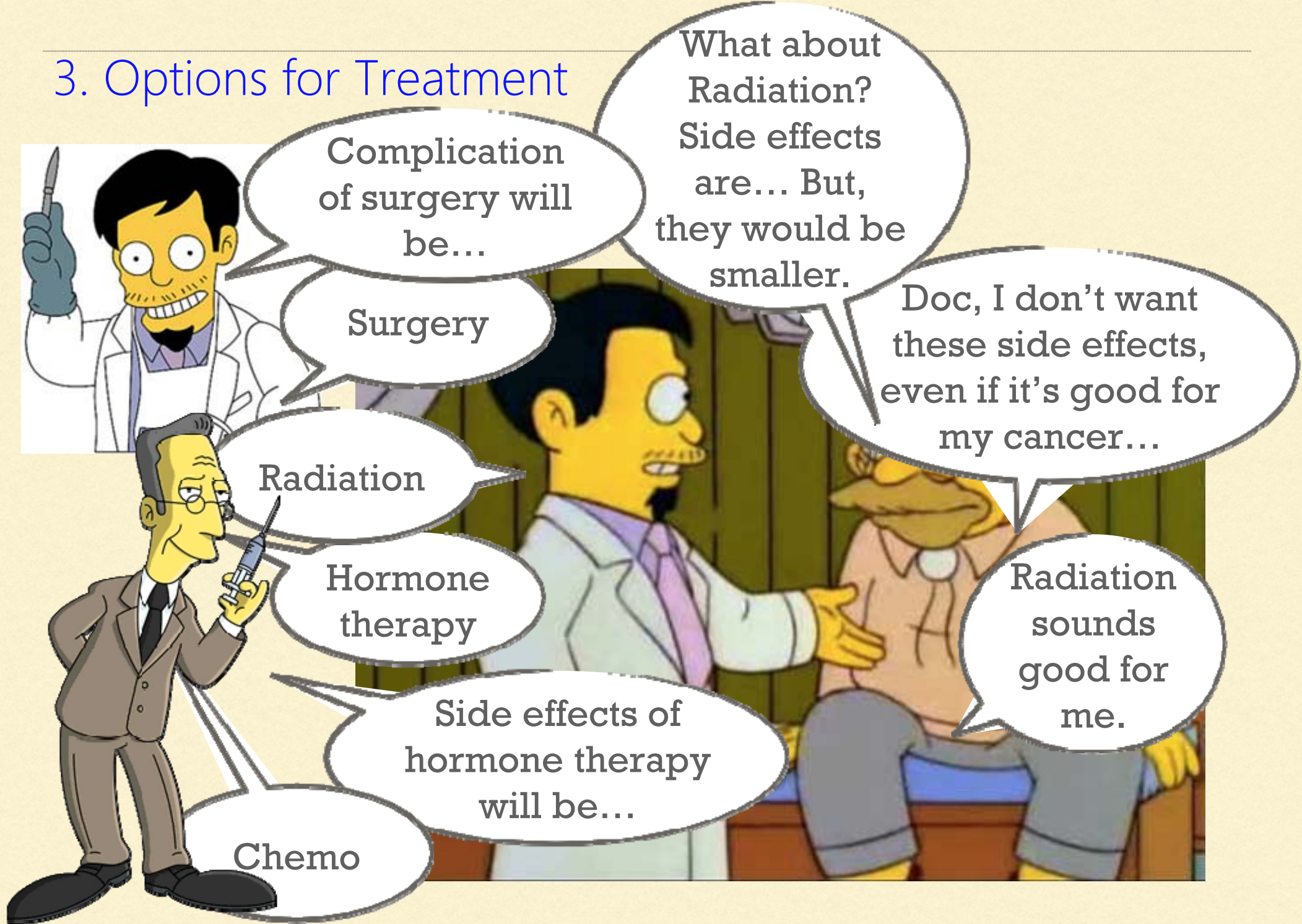


Dosimetrist

2. "Evidence-based" Informed Consent



3. Options for Treatment



My Achievement

- Know the difference in the practice of radiation oncology
- Realize what we are now
- Learn what we need to develop
- Polish English skill

- Learn to surf in southern California



Thank you!

A silhouette of a person fishing with a large net at sunset, with a pier and buildings in the background.

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