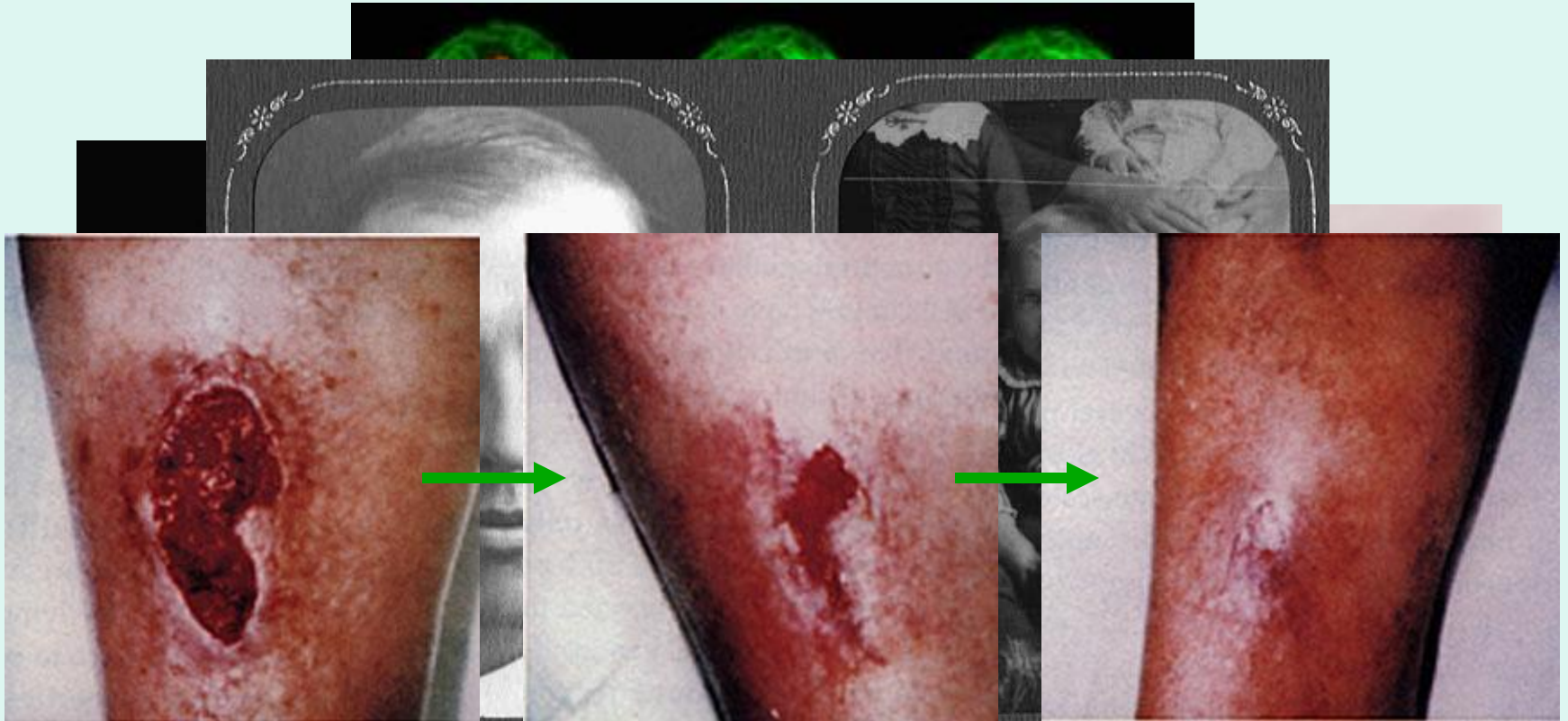


The Biology of Cancer

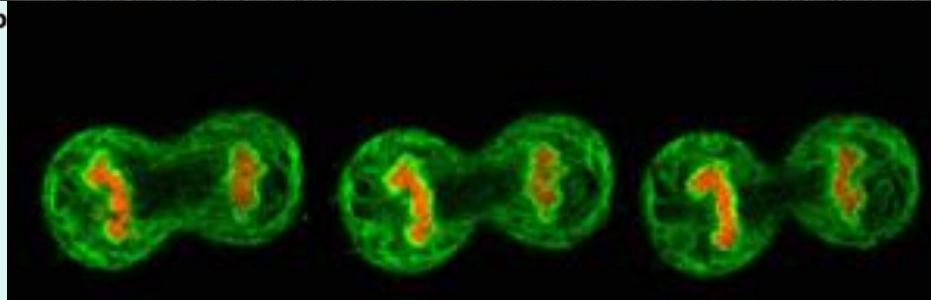


Adam Aguiar
PhD. Student
GK-12 Fellow
Biological Sciences

Mitosis



rib



Cancer

What its Not:

- A virus
- A bacterial infection
- Magic

What it is:

- Mostly incurable
- Debilitating
- Deadly
- Comes From You!!!



Your Cells Gone Crazy!



endo
retic

nucleus

ribosome

ia

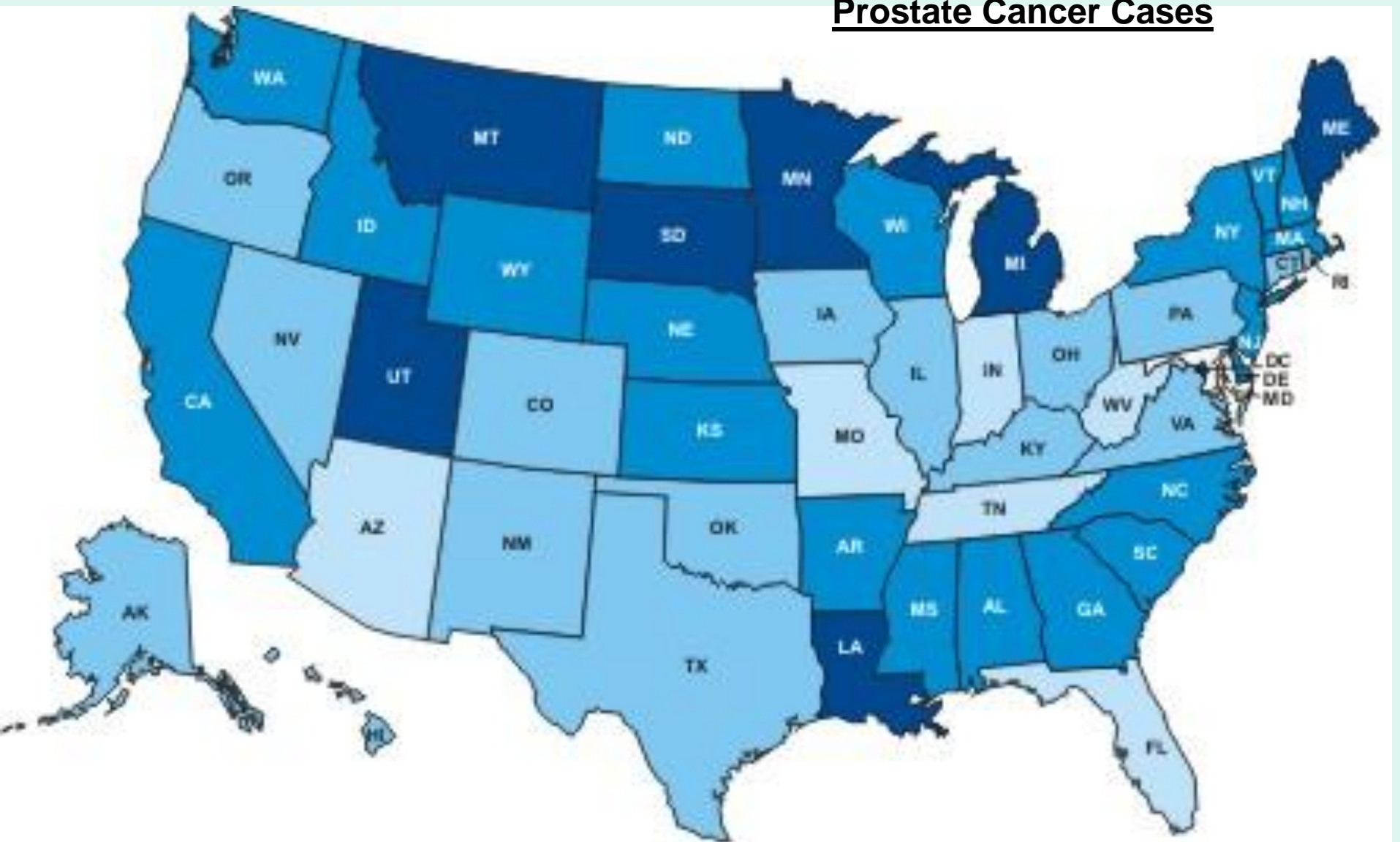


How it Kills You

- Obstruction
- Produces harmful signaling molecules
- Destroys Immune system

All 3 Stop Important Bodily Functions!

Prostate Cancer Cases



What Causes It

- Radiation (UV and X-Rays)
- Mutagenic Chemicals (Industrial, from bad diet, or Tobacco Smoke!!!)
- Hereditary Mutations (From Mom and Dad)

Will We Get A Cure?!

Why its so hard to:

Each Cancer is as unique from the others as people are from each other. The cells in your body have different functions and act in different ways. So do the different Cancers they give rise to.