#### Definition of Medical Event in Permanent Implant Brachytherapy

#### NRC-April 24, 2012

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On behalf of the American Brachytherapy Society (ABS)

# CFR 10 Part 35 Medical Event:

- Wrong patient
- Wrong site
- Wrong isotope
- Wrong dose

## Medical Event

### "total dose delivered differs

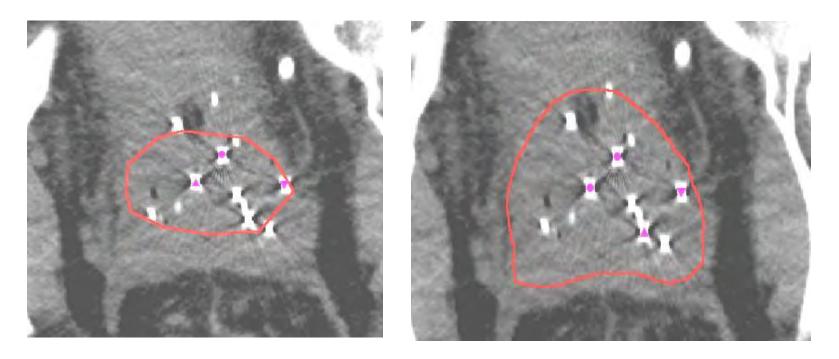
### from the prescribed dose

by 20 percent or more"

## Absorbed Dose

- Volume changes
- Timing of Imaging
- Modality of Imaging
- Contouring variation

### Inter-observer Variability

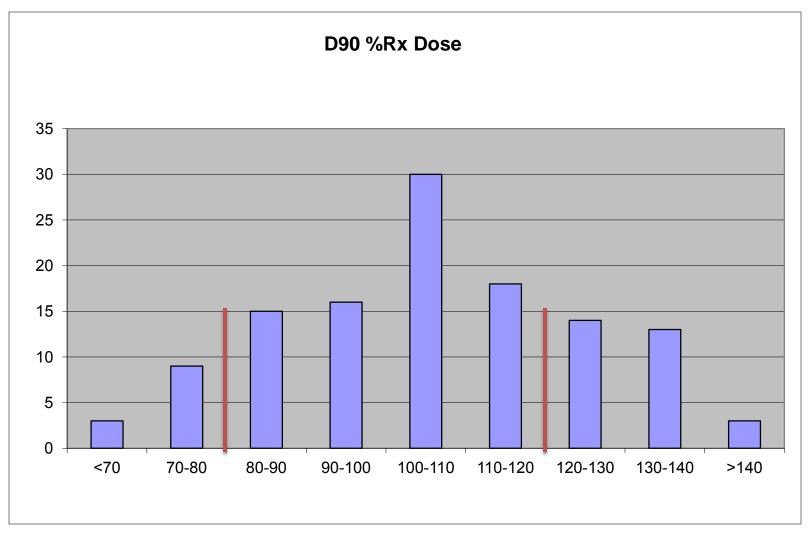


52 cc

80 cc

Lee, ABS 2002

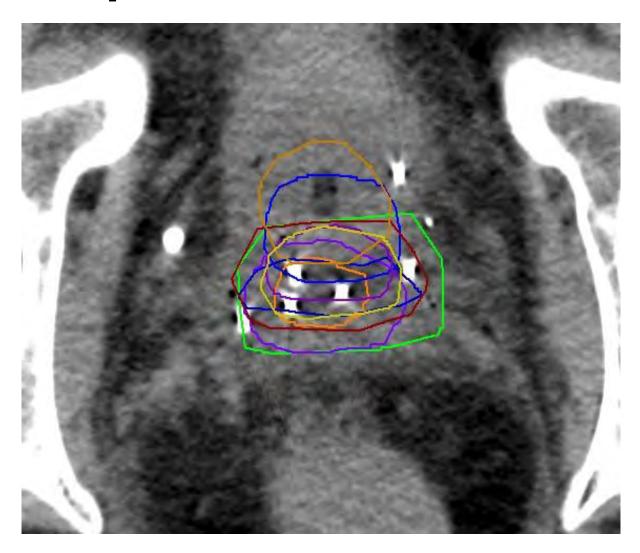
#### **RTOG 0019-Postimplant Dosimetry**



#### 35% of cases ME!

Lee, Brachytherapy 2006

## "Expert" contours?



# **Proposed Changes**

The new changes puts the onus on the AU for things that they can control; not the things they cannot.

# **Proposed Changes**

- Simple, relevant
- Supported by ABS
- Clarity will increase use
- Opportunity to educate