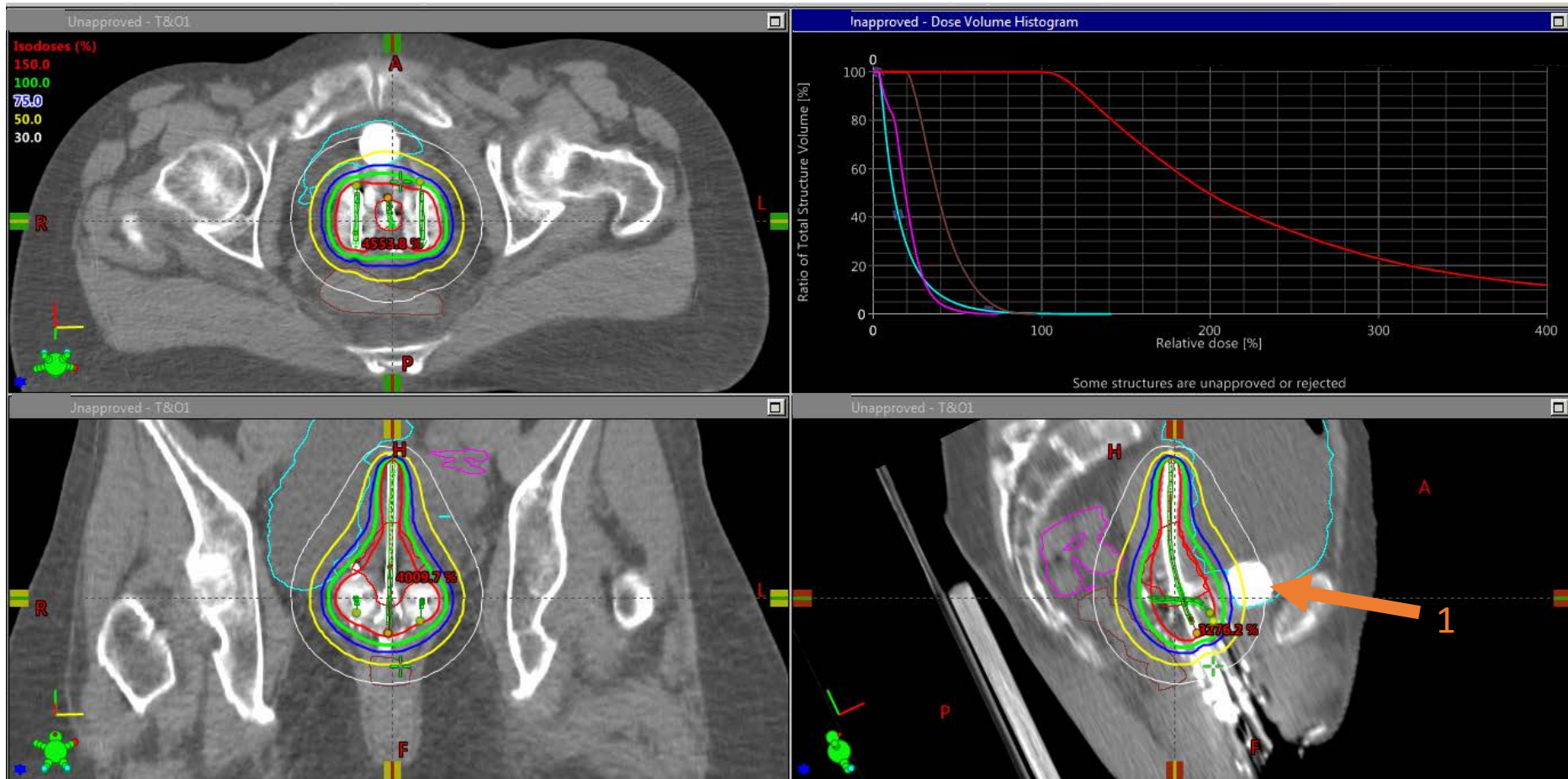


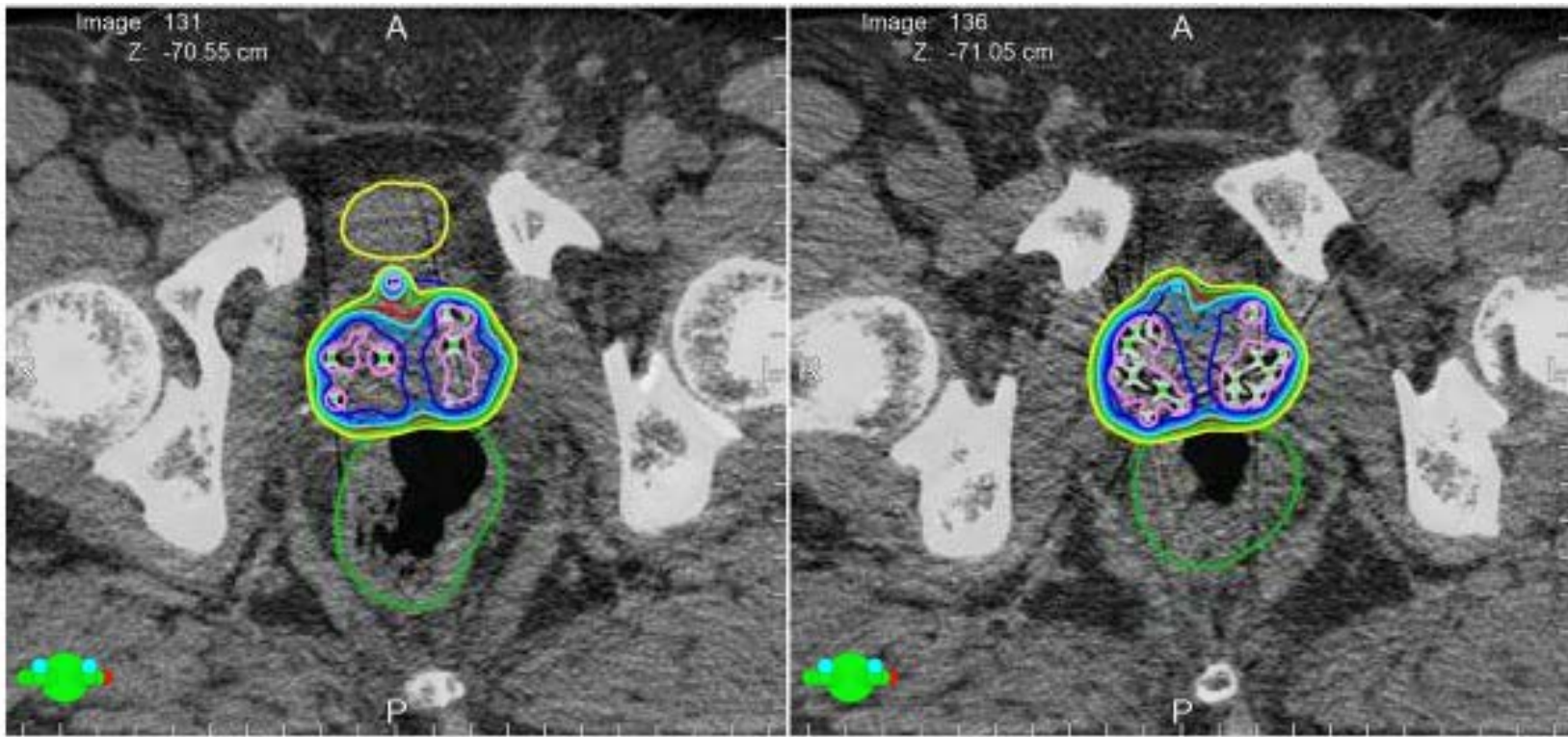
Brachy Study Slides

What type of treatment is shown below?



- What are the structures?
- What and where are the classic points for this treatment?
- What Rx dose would you expect?
- Assess the dose distribution
- What is the orange 1 pointing to?

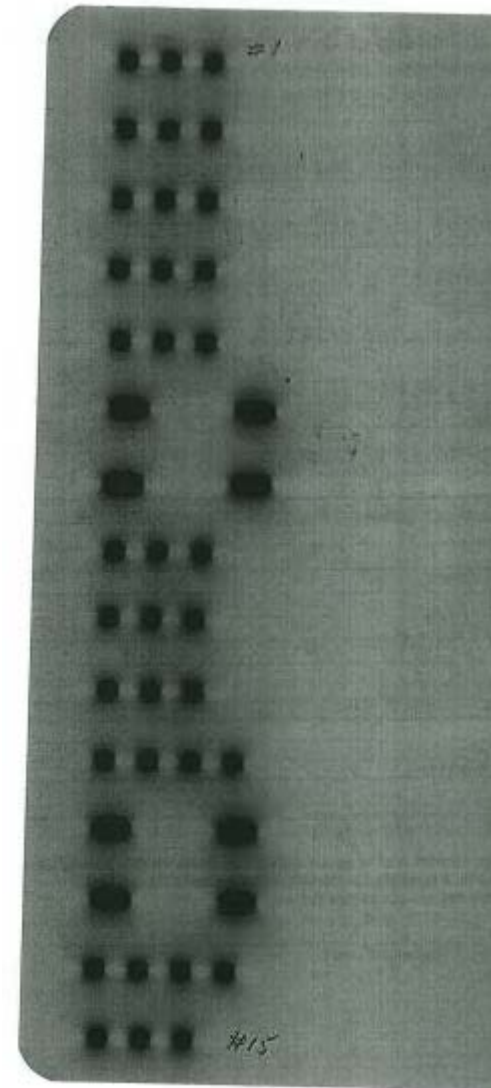
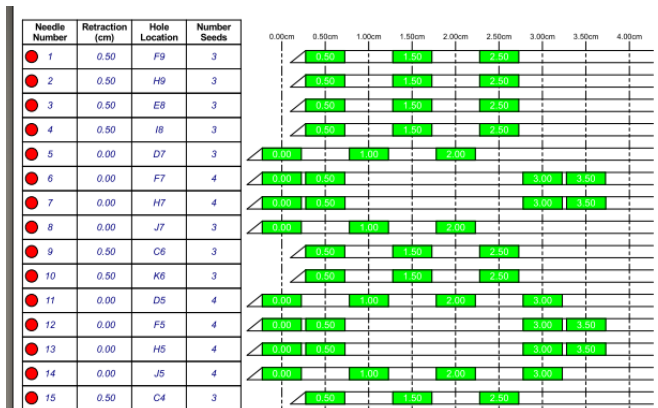
What is the image shown below?



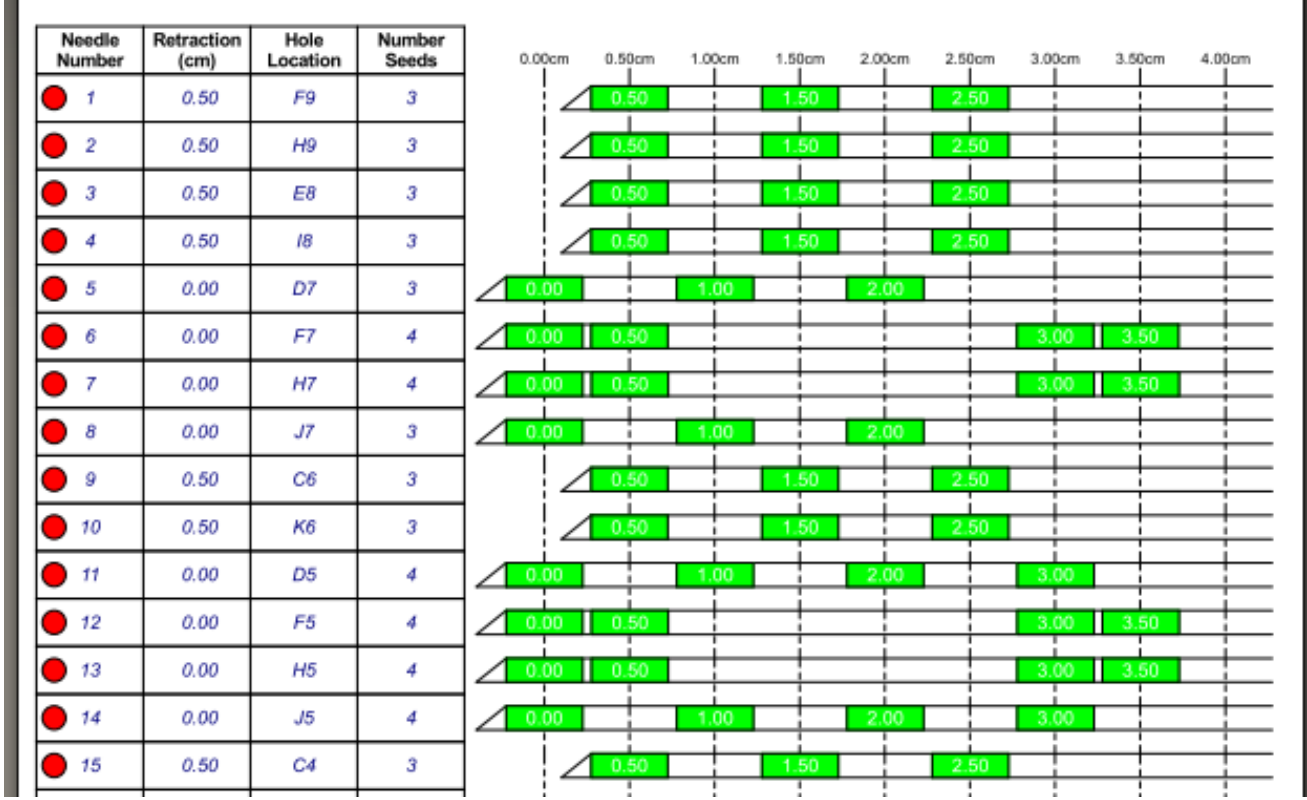
- What are the structures?
- What is the isotope?
- What Rx dose would you expect?
- What type of calculation is used?

What is this?

- How is it created?
- What is it used for?
- What other procedures would be performed at this time this is created?



Prostate needle loading diagram corresponding to previous autoradiograph.

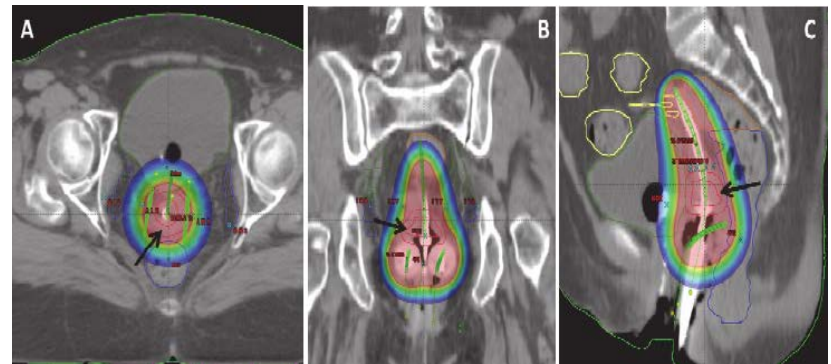


What type of treatment is this?



Follow Up Questions

- What is a typical prescription dose?
- Where does your clinic prescribe to?
- What type of source is used in this treatment?
- Walk me through what you would do if the source got stuck during treatment.



What procedure is this used for?



Follow Up Questions

- What sources are used in this procedure?
- How long is the applicator left in place and how does that compare to the source half-life?
- How is dose calculated for these procedures?
 - What limitations in that formalism apply to these cases?



What is this device used for?



Follow Up Questions

- What are some of the important QA procedures for this device?
- What source is used for treatments with this device?
 - Tell me about some of the source characteristics.
- Why don't we use a different source?



What is the significance of this equation?

$$\dot{D}(r, \theta) = S_K \cdot A \cdot \frac{G_L(r, \theta)}{G_L(r_0, \theta_0)} \cdot g_L(r) \cdot F(r, \theta)$$

Follow Up Questions

- What is each term in the equation?
- What are some of the assumptions in this equation?
- Why is the modularity of the formalism of importance?
- Where would you get the values for the terms in the equation?

$$\dot{D}(r, \theta) = S_K \cdot A \cdot \frac{G_L(r, \theta)}{G_L(r_0, \theta_0)} \cdot g_L(r) \cdot F(r, \theta)$$