

Seed loading Verification for permanent prostate implant

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The permanent prostate implants have been performed with two different techniques. One of the techniques is using preloaded needles. The verification of the preloaded needles is central to ensure that accurate treatment is delivered as planned. Visual verification is a widely used method. This method increases the loading time and exposure to the eyes. We have developed a film verification method. This film technique is to set up an aluminum tray with loaded needles at 100cm SSD on the table of a Toshiba simulator, then open the field size to the maximum, verifying the interested area within the light field, place a ready pack film on the top of the tray. Rotate the gantry to 180 degree and expose the film at 90 Kvp, 150 mA and 0.64 Second twice. With this method, we could verify the needle loading rapidly, decrease the loading time and exposure. This will also give us a hard copy for the record.