

Hospital	Event Number: 42453
Rep Org: INDIANA UNIVERSITY MEDICAL CENTER Licensee: INDIANA UNIVERSITY MEDICAL CENTER Region: 3 City: INDIANAPOLIS State: IN County: License #: 13-02752-03 Agreement: N Docket: NRC Notified By: MACK RICHARD HQ OPS Officer: PETE SNYDER	Notification Date: 03/30/2006 Notification Time: 11:41 [ET] Event Date: 03/29/2006 Event Time: 15:30 [CST] Last Update Date: 03/30/2006
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(1) - DOSE <> PRESCRIBED DOSAGE	Person (Organization): SONIA BURGESS (R3) GREG MORELL (NMSS)

Event Text

DIFFERENT LENGTH BUCKET AND APPLICATOR USED DURING BRACHYTHERAPY DOSE

Following a vaginal/cervical/uterine brachytherapy dose it was noted during a side by side comparison that a different length bucket and applicator were used. Because the applicator was shorter than the bucket, the applicator did not reach the end of the bucket during administration of the dose. Review of the x-ray taken to confirm placement during the exam confirmed that a different dose distribution was given to the patient than originally intended. It is estimated that the dose varied by greater than 20 percent. The dose was lower than the intended dose.

The prescribing physician did not note any apparent ill effects to the patient during a follow-up physical examination. This occurred because the licensee did not do a direct physical comparison of the bucket and applicator prior the exam. The licensee sorted all applicators and buckets following the event to create matched sets. The licensee is considering modifying procedures to include physical comparison of the applicator and bucket in the future. The oncology physician was to inform the patient of the differing dose.