

Hospital	Event Number: 43630
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: MAC RICHARD HQ OPS Officer: JOE O'HARA	Notification Date: 09/11/2007 Notification Time: 16:03 [ET] Event Date: 09/10/2007 Event Time: 11:20 [EDT] Last Update Date: 09/13/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(1) - DOSE <> PRESCRIBED DOSAGE	Person (Organization): SONIA BURGESS (R3) JACK DAVIS (FSME)

Event Text

MEDICAL EVENT - PATIENT RECEIVED AN UNDERDOSE OF YTTRIUM-90

On Monday 9/10/07, the licensee was administering a 66 millicurie dose of Yttrium-90 microspheres to a patient for the treatment of liver cancer through a catheter. The patient only received a dose of 47 millicuries, a 27% underdose. The licensee is investigating the cause of the misadministration, but they believe the catheter used for the administration of the isotope failed or is leaking. The licensee believes there is no permanent functional damage to the patient. The physicians have been informed by the RSO that they need to notify the patient of the underdose and report that notification to the RSO. The treatment device is from MDS Nordion and a MDS Nordion company representative was on site during the administration of the isotope. The licensee intends to use the MDS Nordion representative for technical assistance in troubleshooting this problem once background radiation levels permit a closer inspection of the catheter.

A "Medical Event" may indicate potential problems in a medical facility's use of radioactive materials. It does not necessarily result in harm to the patient.

* * * UPDATE PROVIDED BY CINDY FLANNERY (FSME) TO JASON KOZAL ON 9/13/07 AT 1352 * *

This event (EN43630) has been reviewed and determined to be a reportable medical event.