

Hospital	Event Number: 41763
Rep Org: EDWARD W. SPARROW REGIONAL CENTER Licensee: EDWARD W. SPARROW REGIONAL CENTER Region: 3 City: LANSING State: MI County: License #: 21-01430-01 Agreement: N Docket: NRC Notified By: TRACY MAUDRIE HQ OPS Officer: JOHN KNOKE	Notification Date: 06/10/2005 Notification Time: 14:07 [ET] Event Date: 06/10/2005 Event Time: [EDT] Last Update Date: 06/10/2005
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(1) - DOSE <> PRESCRIBED DOSAGE	Person (Organization): JULIO LARA (R3) TOM ESSIG (NMSS)

Event Text

FRACTIONAL DOSE DELIVERED DIFFERED FROM THE PRESCRIBED DOSE

"A hyperthyroid therapy patient received one of the intended two NaI-131 capsules sent by the radio pharmacy for the therapy. The patient received 10.2 mCi in one capsule instead of the intended 20.6 mCi in two capsules. Both capsules were received in one plastic vial inside of a lead shield. The entire vial was assayed and the assay of 20.6 mCi was within 10% of the prescribed dose of 20.0 mCi. The technologist failed to notice that there were two capsules in the vial because a desiccant inside the vial blocked the view of the second capsule and prevented the second capsule from leaving the vial. Normally, hyperthyroid therapy doses are received in one capsule. Therefore, the technologist was not expecting a second capsule.

"The radio pharmacy discovered the second capsule when the package was returned to the pharmacy the next day, June 10, 2005. They called the Nuclear Medicine department at 8:30 am on June 10, 2005. The prescribing physician was called and he requested that the patient receive the second capsule. The patient returned to the Nuclear Medicine department at 10:00 am on June 10, 2005 and received the second capsule, which assayed at 9.74 mCi at that time. The total dose the patient received was 19.94 mCi.

"Why the event occurred: Hyperthyroid therapy doses are normally received in one capsule. The technologist was not expecting a second capsule. The desiccant placed in the vial by the radio pharmacy obscured the second capsule from the technologist's sight. The desiccant also prevented the second capsule from coming out of the vial when the first capsule came out of the vial.

"Effect on the patient: The prescribing physician does not believe this event will have a negative effect on the patient as she received the remainder of the dose within 24 hours.

"To prevent recurrence of this action the licensee will assay all applicable capsule vials after the patient has received their dose, but before the patient leaves the department. This will ensure that no capsules remain in the vial.

"Certification that the licensee notified the individual: The patient was notified by telephone on June 10, 2005 and the patient returned to the hospital to receive the second capsule of 9.74 mCi NaI-131."