

Other Nuclear Material	Event Number: 44371
Rep Org: MEMORIAL HOSPITAL - SHERIDAN, WY Licensee: MEMORIAL HOSPITAL - SHERIDAN, WY Region: 4 City: SHERIDAN State: WY County: License #: 49-10982-02 Agreement: N Docket: NRC Notified By: THOMAS NANCE HQ OPS Officer: JEFF ROTTON	Notification Date: 07/28/2008 Notification Time: 14:26 [ET] Event Date: 07/18/2008 Event Time: 10:00 [MDT] Last Update Date: 07/28/2008
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(2) - DOSE > SPECIFIED EFF LIMITS	Person (Organization): NEIL O'KEEFE (R4) MICHELE BURGESS (FSME)

Event Text

MEDICAL ERROR - WRONG CHEMICAL USED IN PATIENT TREATMENT

On the date described [07/18/08] an outpatient reported to the Nuclear Medicine Department for a Nuclear Medicine whole body bone scan. The technician drew up and injected the patient with 24.3 mCi mTc99 Sestamibi, I.V. instead of the proper cold kit which would have been Medronate. The error was not discovered until the patient returned 3 hours later for scanning and it was observed that the isotope was not properly tagged. Upon investigation, the reason for the poor tag was discovered. The patient was informed as well as the Department Manager, and the on-duty staff Radiologist. It was agreed by all that the patient would return on 07/21/08 to perform the study properly. According to the Radiation Absorbed Dose Table, the patient received the following:

Gallbladder Wall - 1.6 Rads, Small Intestine - 2.4 Rads, Upper Large Intestine Wall - 4.32 Rads, Lower Large Intestine Wall - 3.12 Rads, Stomach Wall - 0.48 Rads, Heart Wall - 0.40 Rads, Kidneys - 1.6 Rads, Liver - 0.48 Rads, Lungs - 0.24 Rads, Bone Surfaces - 0.56 Rads, Thyroid - 0.56, Testes - 0.24 Rads, Red Marrow - 0.40 Rads, Urinary Bladder Wall - 1.6 Rads, Total Body - 0.40 Rads.

It is believed that there was no ill effect on the patient. The technician has been re-instructed on the extreme importance of checking all the labels previous to preparing, drawing up and delivering any radioisotopes.

The licensee is still in the process of confirming that the ordering physician has been notified of this incident.