

**KootenaiHealth**

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February 24, 2021 (Revised)

US Nuclear Regulatory Commission Region IV
Nuclear Materials Safety Branch B
1600 East Lamar Blvd.
Arlington, TX 76011

Re: Report and notification of a medical event for License 11-27307-01

To Whom It May Concern:

A misadministration occurred at Kootenai Health on February 18, 2021 at 1000 in the Interventional Radiology Lab during a TheraSphere Y-90 Mirosphere treatment, ordered by Mary Eggleston-Thompson, PA-C and administered by Derek Khorsand, MD. The micro catheter (Terumo Progreat 2.0 fr, 130 cm length) disconnected from the luer lock during injection, causing part of the dose to be deposited on the absorbent toweling. The luer lock was tightened and the administration was completed. The leak was contained in the absorbent toweling which was moved to the hot lab for decay storage per hospital protocol. The area was surveyed and found to have no contamination.

All tubing, absorbent toweling and the micro catheter were put into two waste jars. The jars were measured separately in the beta shield and the results averaged per recommendation from the Boston Scientific physicist. The prescribed dose was 74.46 mCi and the delivered dose was 35.6 mCi with 34.6 mCi to the liver.

The RSO was notified immediately. A call was placed to the NRC Operations Center at 1402. Event notification # 55107 was issued by Bethany Cecere.

Dr. Khorsand notified the referring physician, Justin Cochrane, DO at 1240 and the patient at 1245. The patient received 47.9% of the prescribed dose and will have imaging in 4 weeks to evaluate the treatment plan. A revised copy of this document with the patient identifier added was sent to Dr. Cochrane today.

Moving forward, we will reinforce the administration checklist instructions – specifically #6 which states "disconnect the out luer "E" from holder "C", firmly connect to micro catheter". After 30 days of decay, the tubing system will be sent to Boston Scientific for quality control.

I can be reached by phone at 208-625-5252 or email rspowell@kh.org

Sincerely,

Rhonda Powell, BS, CNMT
Radiation Safety Officer
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