



KootenaiHealth

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May 25, 2021

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 May 20, 2021 at 0943 PST 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 administration set was connected to the micro catheter (Terumo Progreat 2.0 fr, 130 cm length) and injection was attempted. The microspheres clumped in the tubing and would not advance into the catheter. Boston Scientific was called and troubleshooting methods were performed. No kinks were found in the tubing. Slight withdrawal and advancement of the base catheter produced no change. Slight withdrawal and advancement of the microcatheter produced no change. The microspheres did not move through the tubing with multiple saline flush attempts and the procedure was aborted at 1016. The room was surveyed per protocol and there was no contamination.

The tubing and the micro catheter were put into the waste jar and measured in the beta shield. The prescribed dose was 66.36 mCi and the delivered dose to the liver was 12.8 mCi.

The RSO was notified immediately. A call was placed to the NRC Operations Center at 1305 PST. Event notification # 55268 was issued by Lloyd Desotell. A follow up email was sent to hoo.hoc@nrc.gov per his request.

Dr. Khorsand notified the referring physician, Paul White, MD at 1128 and the patient at 1150. The patient received 20% of the prescribed dose. A new treatment plan will be determined by the attending Radiation Oncologist. A revised copy of this document with the patient identifier added was sent to Dr. White today.

After 30 days of decay, the tubing system will be sent to Boston Scientific for quality control to evaluate for product defect.

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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