

Abstract:

Extravasation of various imaging tracers during administration was not a rare complication during nuclear medicine practice. However, the occurrence of extravasation of therapeutic radiopharmaceutical was rarely reported. Here we reported a 60-year-old woman with breast cancer and diffuse painful bone metastases who received strontium chloride (SrCl_2) therapy to palliate her bone pain. Accidental subcutaneous extravasation in the injection site occurred. The extravasated Sr was absorbed rapidly by arm elevation, squeezing a stress ball, local warming, and gently massaging. Follow-up results showed the patient's bone pain significantly relieved and her right arm remained normal.

Reference:

Tang, J., Fu, X., Hu, Y., Zhang, Y. and Shao, F. (2020) Monitoring and Handling of ^{89}Sr Injection Site Extravasation in a Patient With Breast Cancer. *Clinical Nuclear Medicine*. 45(7), p.568-569. <https://doi.org/10.1097/RLU.0000000000003049>.