

## Procedure to Use Quantitative Bone-Specific SPECT/CT in North Karelia Central Hospital

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**Abstract :** This study aimed to describe procedures that we developed to use in the quantitative, bone-specific SPECT/CT at our hospital. Our procedures included the following questions for choosing imaging protocols, which were based on a clinical doctor's referral: (1) Is she/he a cancer patient or not? (2) Are there any indications of inflammatory rheumatoid arthritis? We performed about 1,106 skeletal scintigraphies over two years. About 394 patients were studied with quantitative bone-specific single-photon emission computed tomography/computerized tomography (SPECT/CT) (i.e., about 36% of all bone scintigraphies). Approximately 64% of the patients were studied using the conventional Anterior-Posterior/Posterior-Anterior imaging. Our procedure has improved efficiency and decreased cycle times.

**Keywords :** skeletal scintigraphy, SPECT/CT, imaging, procedure

**Conference Title :** ICPMEHS 2018 : International Conference on Pharmaceutical, Medical and Environmental Health Sciences

**Conference Location :** Rome, Italy

**Conference Dates :** March 05-06, 2018