

**18F-Sodium Fluoride PET Imaging as a Replacement for Bone Scintigraphy  
(Ethical Protocol Number: H12-03120)**

**Dear Potential Study Participant,**

This letter is an invitation for you to participate in a research study that involves two different imaging procedures. The two imaging procedures that will be studied are called: a whole body bone scan with single photon emission computed tomography (SPECT) and a whole body positron emission tomography / computed tomography (PET/CT) scan. This study is being conducted by the BC Cancer Agency (BCCA) on behalf of the Medical Imaging Trial NETwork (MITNEC) of Canada.

It is our understanding that you are being sent for a whole body bone scan as part of your normal care plans. We are therefore inviting you to participate in a research project called “18F-Sodium Fluoride PET Imaging as a Replacement for Bone Scintigraphy”. A complete description of the study is included with the “Subject Information and Consent Form”. This consent form is included for your information. If you would like to participate in the study, the consent form would need to be signed at a later date, prior to participation in the study.

This is a clinical trial, which is a type of research study. Research studies only include people who choose to take part. Your participation is completely voluntary; so it is up to you to decide whether or not to take part. If you choose to participate in this research study, you will have your scheduled bone scan but with some additional views (called a SPECT scan). The additional SPECT views are for the purposes of this study only. This scan will be done at your local hospital on one day. An investigational PET/CT scan will also be performed as part of this study, at the BCCA – Vancouver Centre on a different day. You will be receiving a phone call from a PET Technologist three to five days following receipt of this introduction letter to let you know more about this research study. During that phone call, the study will be fully explained to you and you can ask questions and discuss possible participation in this study.

If you decide you do not want to participate in this study, you will still go for your scheduled bone scan, which is the current standard for imaging bone abnormalities. You will also continue to receive the best available treatment offered by the BCCA.

Sincerely,

Dr. François Bénard, Scientific Director, Functional Imaging Department, BC Cancer Agency

**Please do not hesitate to contact the chief PET Technologist, Tina Alden, if you have any questions or if you do not wish to hear about the study. You can reach the Functional Imaging Department at the BC Cancer Agency at 604-877-6000 ext. 5951.**