

An aerial photograph of a city, likely Los Angeles, showing a large stadium (SoFi Stadium) and surrounding greenery. The image is used as a background for the slide.

Diagnostic Accreditation Program

ACCREDITATION STANDARDS

Nuclear Medicine Safety

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Diagnostic Accreditation Program  
College of Physicians and Surgeons of British Columbia  
300-669 Howe Street  
Vancouver BC V6C 0B4

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## Introduction

In addition to the general safety (DSA) standards, patient safety (DPS) standards and all requirements as identified by the CNSC, the nuclear medicine safety standards provide additional modality specific requirements for the delivery of safe and quality nuclear medicine services. Appropriate and sufficient resources should be allocated to support the medical imaging service's implementation of staff and patient safety priorities and goals. Nuclear medicine safety applies to all nuclear medicine imaging (e.g. gamma, SPECT/CT, PET/CT).



## Minimizing radiation exposure to pregnant and/or breastfeeding patients

No.	Description	Risk	Reference	Change
NMS2.0	APPROPRIATE MEASURES ARE IN PLACE TO PREVENT UNNECESSARY RADIATION EXPOSURE TO PREGNANT AND/OR BREASTFEEDING PATIENTS			New
NMS2.1	Mechanisms are in place to prevent unnecessary radiation to pregnant patients.			New
NMS2.1.1	M There is clear signage posted in the reception, changing, and waiting areas to alert patients who may be pregnant to notify the technologist.			

## Canadian Nuclear Safety Commission

No.	Description	Risk	Reference	Change
NMS5.0	CANADIAN NUCLEAR SAFETY COMMISSION			New
NMS5.1	The nuclear medicine service is licensed and in good standing with Canadian Nuclear Safety Commission (CNSC).			New
NMS5.1.1	M The nuclear medicine service has current CNSC licence(s) in good standing.	H	NM-AC-21 PET-AC-23	New
NMS5.1.2	B The nuclear medicine service conducts routine internal audits to ensure compliance with CNSC requirements.		NM-AC-21 PET-AC-23	New

## Safety practices and laboratory equipment

No.	Description	Risk	Reference	Change
NMS6.0	NUCLEAR MEDICINE LABORATORY EQUIPMENT SAFETY			New
NMS6.1	Centrifuges are used safely.			New
NMS6.1.1	M Centrifuges have safety-capped cups or rotor enclosures that provide aerosol containment.	M		New
NMS6.1.2	M Centrifuge lids or doors are locked when the motor is energized and remain locked until the centrifuge stops.	M		New
NMS6.1.3	M Centrifuge loads are balanced by distributing samples evenly.	M		New
NMS6.1.4	M Centrifuges are cleaned and properly maintained as per manufacturer's recommendations. This maintenance is documented.	M		New
NMS6.1.5	M Procedures for centrifugation are expressed in relative centrifugal force units (RCF/g).	M		New
NMS6.2	Fume hoods are operated in a manner that protects staff.			New
NMS6.2.1	M There is a marking on the sash to indicate the maximum height to which the face can be opened and still maintain the required flow rate.	M		New

No.	Description
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