

Normals Databases - Nitrogen-13 Ammonia

Database Description

A Male and Female (Composite) normals database was created for perfusion quantification based on Nitrogen-13 Ammonia image data reconstructed with attenuation correction. The databases were created from patients with low-likelihood of coronary artery disease. The imaging protocols for which these databases apply are

- Nitrogen-13 Ammonia PET Protocol
- Patient position supine

Database Name	
Male and Female	V-NH3/All

Patient Demographics	Composite (Mean)
Age	51 yrs.
Weight	168.7 lbs.
Height	68 in.
BMI	25.9
BSA	1.9

SPECT Imaging Protocol	
Radiopharmaceutical	N-13
Administration	IV
Acquisition Protocol	1 Day Rest/Stress
ECG Gating Acceptance Window, Gating Frames	16 bin gated, 20-40% acceptance window
Orientation	Supine
Acquisitions Duration	12 minutes
NM Camera Make/Model	Siemens Biograph mCT

Stress Testing Parameters	
Stress Protocol	Regadenoson

Reconstruction Parameters	
Reconstruction Method	TrueX (HD-PET) 3 Iterations, 24 Subsets
Filter	7.0 mm Gaussian
Corrections	CTAC, Scatter Correction, Metal Artifact
Matrix size	128x128, Zoom 2
Pixel size (mm)	3.18mm

Database Properties	
	Male and Female (Composite)
Date Created	07-Nov-2013 16:59:21
Date Last Modified	28-Mar-2016 14:29:16
Manufacturer	Any
Model	Any
Total Datasets in Database	33
Total Mean	81.8 +/- 8.8 (41.0:96.0)
Total StDv	7.2 +/- 1.3 (4.8:12.8)