

Normals Databases - Philips Astonish (NC)

Database Description

Gender specific normals databases were created for perfusion quantification based on Tc-99m SPECT image data reconstructed with Philips Astonish Iterative Reconstruction without correction for photon attenuation. The databases were created from patients with low-likelihood of coronary artery disease. The imaging protocols for which these databases apply are

- Stress or rest studies in a 2-day Tc-99m labeled radiotracer protocol.
- Stress or rest study in a 1-day rest/stress Tc-99m labeled radiotracer protocol.
- Stress or rest study in a 1-day stress/rest Tc-99m labeled radiotracer protocol.
- Stress study in a dual isotope protocol.
- Patient position supine

Database Name	
Female	V2-Astonish/TC/NC/F
Male	V2-Astonish/TC/NC/M

Patient Demographics	Female Mean	Male Mean
Age	53.9 yrs.	53.9 yrs.
Weight	Pending	Pending
Height	Pending	Pending
BMI	Pending	Pending
BSA	Pending	Pending

SPECT Imaging Protocol	
Radiopharmaceutical	Tc-99m
Administration	IV
Acquisition Protocol	1 day Rest/Stress 2 day Stress/Rest
ECG Gating Acceptance Window, Gating Frames	20% window, 8 Frames or 16 Frames
Orientation	Supine
Acquisitions Duration	20 sec/Stop: 32 Stops/Head
NM Camera Make/Model	Philips CardioMD
Camera Rotation	180° RAO-LPO

Stress Testing Parameters	
Stress Protocol	Exercise, Exercise/Regadenoson, Regadenoson

Reconstruction Parameters	
Reconstruction Method	3D OSEM
Filter	Hanning
Matrix size	64x64
Pixel size (mm)	6.40x6.40

Database Properties		
	Female	Male
Date Created	23-Dec-2015 09:21:42	05-Jan-2016 12:34:08
Date Last Modified	28-Mar-2016 14:19:18	28-Mar-2016 14:19:27
Manufacturer	Philips	Philips
Model	Any	Any
Total Datasets in Database	36	30

Normals Databases - Philips Astonish (AC)

Database Description

A Male and Female (Composite) normals database was created for perfusion quantification based on Tc-99m SPECT image data reconstructed with Philips Astonish Iterative Reconstruction with correction for photon attenuation. The database was created from patients with low-likelihood of coronary artery disease. The imaging protocols for which this database applies is

- Stress or rest studies in a 2-day Tc-99m labeled radiotracer protocol.
- Stress or rest study in a 1-day rest/stress Tc-99m labeled radiotracer protocol.
- Stress or rest study in a 1-day stress/rest Tc-99m labeled radiotracer protocol.
- Stress study in a dual isotope protocol.
- Patient position supine

Database Name	
Female and Male	V-Astonish/TC/All

Patient Demographics	Composite Mean
Age	53.6 yrs.
Weight	Pending
Height	Pending
BMI	Pending
BSA	Pending

SPECT Imaging Protocol	
Radiopharmaceutical	Tc-99m
Administration	IV
Acquisition Protocol	1 day Rest/Stress 2 day Stress/Rest
ECG Gating Acceptance Window, Gating Frames	20% window, 8 Frames or 16 Frames
Orientation	Supine
Acquisitions Duration	20 sec/Stop: 32 Stops/Head
NM Camera Make/Model	Philips CardioMD
Camera Rotation	180° RAO-LPO

Stress Testing Parameters	
Stress Protocol	Exercise, Exercise/Regadenoson, Regadenoson

Reconstruction Parameters	
Reconstruction Method	3D OSEM
Filter	Gaussian
Matrix size	64x64
Pixel size (mm)	6.40x6.40

Database Properties	
	Female and Male
Date Created	23-Dec-2015 09:21:14
Date Last Modified	05-Apr-2016 13:30:30
Manufacturer	Philips
Model	Any
Total Datasets in Database	77
Total Mean	83.6 +/- 8.8 (42.4:95.0)
Total StDv	6.6 +/- 0.9 (4.4:10.4)