

## 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)

## Normals Databases - Philips Astonish (SC)

### Database Description

Gender specific normals database was created for perfusion quantification bases on Tc-99m SPECT image data reconstructed with Philips Astonish Iterative reconstruction without correction for photon attenuation. These databases are specific to datasets reconstructed with the Scatter Correction (SC) tag on the EBW workstation. 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	
Male	V2-Astonish/TC/SC*/M
Female	V2-Astonish/TC/SC*/F

Patient Demographics	Male (Mean)	Female(Mean)
Age	53.9	53.9
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)	6.40x6.40mm

Database Properties		
	Male	Female
Date Created	05-Jan-2016 12:34:08	23-Dec-2015 09:21:42
Date Last Modified	28-Mar-2016 14:19:27	28-Mar-2016 14:19:04
Manufacturer	Philips	Philips
Model	Any	Any
Total Datasets in Database	30	36
Total Mean	83.3 +/- 9.7 (45.9:95.9)	82.3 +/-8.1 (46.6:94.5)
Total StDv	6.6 +/-1.4 (3.5:11.4)	7.0 +/- 0.9 (3.8:9.7)