

Normals Databases - Hermes FBP NC

Database Description

Gender specific normals databases were created for perfusion quantification based on Tc-99m SPECT image data reconstructed with Filtered Back-Projection (FBP) on a Hermes 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	
Female	V-HW/TC/NC/F
Male	V-HW/TC/NC/M

Patient Demographics	Female Mean	Male Mean
Age	55 yrs.	52 yrs.
Weight	170.3 lbs.	207.4 lbs.
Height	64.1 in.	69.6 in.
BMI	29.1	30.1
BSA	1.82	2.1

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, 16 Frames
Orientation	Supine
Acquisitions Duration	20 sec/Stop: 32 Stops/Head
NM Camera Make/Model	Symbia T6
Camera Rotation	180° RAO-LPO
Stress Testing Parameters	
Stress Protocol	Bruce
Reconstruction Parameters	
Reconstruction Method	FBP
Filter	Butterworth
Matrix size	128x128
Pixel size (mm)	4.80x4.80

Database Properties		
	Female	Male
Dat	1-Aug-2014 16:59:26	1-Aug-2014 17:18:05
Date Last Modified	3-Oct-2016 17:45:40	3-Oct-2016 17:46:14
Manufacturer	Any	Any
Model	HERMES Workstation	HERMES Workstation
Total Datasets in Database	29	30
Total Mean	80.5 +/- 10.1 (38.6:97.2)	76.7 +/- 11.8 (37.4:98.5)
Total StDv	6.5 +/- 1.0 (3.5:9.0)	6.9 +/- 1.3 (3.7:9.6)

Normals Databases - Hermes IR3D NC

Database Description

Gender specific normals databases were created for perfusion quantification based on Tc-99m SPECT image data reconstructed with an IR3D method on a Hermes 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	
Female	V2-HW/TC/IR/NC/F
Male	V2-HW/TC/IR/NC/M

Patient Demographics	Female Mean	Male Mean
Age	54 yrs.	52 yrs.
Weight	171.5 lbs.	207.5 lbs.
Height	64.1 in.	69.5 in.
BMI	29.4	30.2
BSA	1.83	2.1

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, 16 Frames
Orientation	Supine
Acquisitions Duration	20 sec/Stop: 32 Stops/Head
NM Camera Make/Model	Symbia T6
Camera Rotation	180° RAO-LPO

Stress Testing Parameters	
Stress Protocol	Bruce

Reconstruction Parameters	
Reconstruction Method	IR3D
Filter	Gaussian
Matrix size	128x128
Pixel size (mm)	4.80x4.80

Database Properties		
	Female	Male
Date Created	8-Aug-2016 19:46:46	8-Aug-2016 21:00:15
Date Last Modified	5-Oct-2016 15:56:44	5-Oct-2016 15:57:00
Manufacturer	Any	Any
Model	HERMES Workstation	HERMES Workstation
Total Datasets in Database	25	29
Total Mean	81.5 +/- 8.1 (44.0:95.5)	77.9 +/- 10.7 (44.5:96.6)
Total StDv	7.6 +/- 1.3 (4.7:11.8)	7.3 +/- 1.1 (4.6:11.2)

Normals Databases - Hermes IR3D AC

Database Description

A Male and Female (Composite) normals database was created for perfusion quantification based on Tc-99m SPECT image data reconstructed with an IR3D method, with scatter and attenuation correction on a Hermes 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	
Composite AC	V2-HW/TC/IR/SC/CTAC

Patient Demographics	Composite Mean
Age	53 yrs.
Weight	190.9 lbs.
Height	67.1 in.
BMI	29.8
BSA	1.97

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, 16 Frames
Orientation	Supine
Acquisitions Duration	20 sec/Stop: 32 Stops/Head
NM Camera Make/Model	Symbia T6
Camera Rotation	180° RAO-LPO

Stress Testing Parameters	
Stress Protocol	Bruce

Reconstruction Parameters	
Reconstruction Method	IR3D
Filter	Gaussian
Corrections	SC:CTAC
Matrix size	128x128
Pixel size (mm)	4.80x4.80

Database Properties	
	Composite
Date Created	10-Aug-2016 21:12:54
Date Last Modified	5-Oct-2016 15:57:33
Manufacturer	Any
Model	HERMES Workstation
Total Datasets in Database	53
Total Mean	82.0 +/- 8.1 (42.4:94.6)
Total StDv	7.4 +/- 1.2 (5.2:13.2)