

The Siemens logo is displayed in a teal, sans-serif font within a white rectangular box in the top-left corner of the image. The background of the entire slide is a high-angle, wide shot of a modern, multi-story atrium. The atrium features a series of concentric, curved glass and metal walkways or balconies that spiral upwards. Several people are seen walking on these levels, providing a sense of scale and activity. The architecture is characterized by its clean lines and extensive use of glass, which allows natural light to flood the space, creating a bright and airy atmosphere. The overall design is a blend of industrial and organic forms, typical of modern architectural aesthetics.

**SIEMENS**

# Biograph mCT Flow FlowMotion Protocols

MI University 360

## Example Imaging Protocols

These illustrative protocols were provided by Dr. Yong Bradley, University of Tennessee Medical Center, Knoxville, USA, and are based on his previous experience and commonly used practices in nuclear medicine.

The final decision for procedure protocols must be made by the physician, who should consider experience, recommendations and regulations. Siemens and its representatives disclaim any liability for claims arising from the use of these protocols.

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# Head and Neck Cancer

## Glucose metabolism evaluation\*

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	0.5	0.4	Head & Neck, 400x400 reconstruction matrix
Zone 2	1.0	0.7	n/a
Zone 3	2.0	1.5	n/a

- Biograph mCT Flow<sup>TM</sup> scan speed is faster with TrueV technology than without TrueV
- Create three zones and set speed, specific to head and neck, chest and abdomen/pelvis
- Consider head immobilizer
- Set special reconstruction parameters for zone 1

### Zone 1

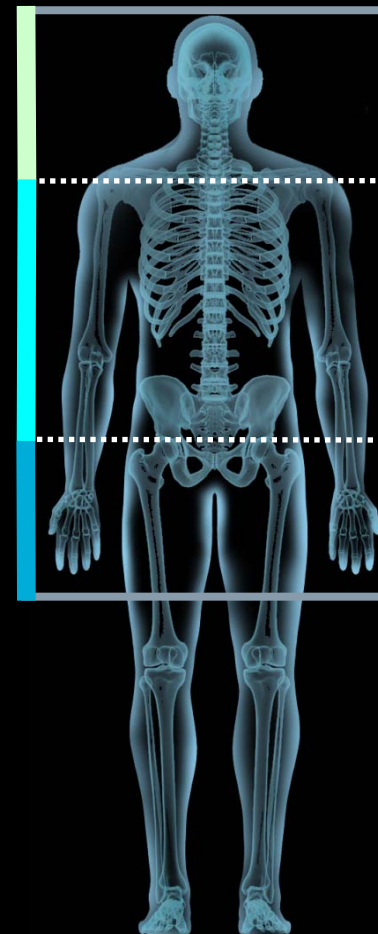
Vertex of head  
to apex of lung

### Zone 2

Apex of lung to  
mid sacrum

### Zone 3

Mid sacrum to  
mid femur





# Colorectal Cancer

## Glucose metabolism evaluation\*

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	n/a
Zone 2	0.4	0.3	HD Chest, Gated Liver
Zone 3	1.0	0.7	n/a

- Biograph mCT Flow scan speed is faster with TrueV technology than without TrueV
- Create three zones and set speed, specific to neck and chest, liver, abdomen and pelvis
- Set special reconstruction for zone 1 and gated liver for zone 2

### Zone 1

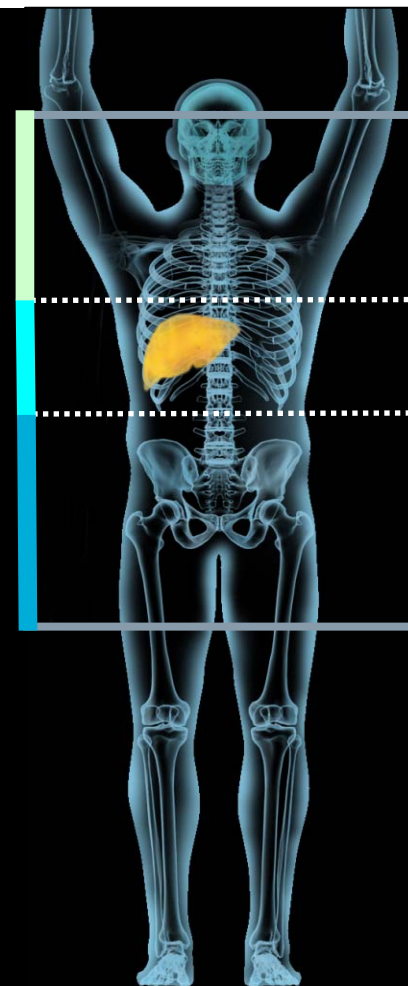
Top of orbits to  
xiphoid process

### Zone 2

Mid sternum to  
lumbar spine  
(allow for liver motion)

### Zone 3

Lumbar spine to  
mid femur



# Lung Cancer

## Glucose metabolism evaluation\*

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	n/a
Zone 2	0.4	0.3	HD Chest, 400x400 reconstruction matrix
Zone 3	1.0	0.7	n/a

- Biograph mCT Flow scan speed is faster with TrueV technology than without TrueV
- Create three zones and set speed, specific to skull base and neck, chest and abdomen and pelvis
- Set special reconstruction for zone 2 and gated lung for zone 2

### Zone 1

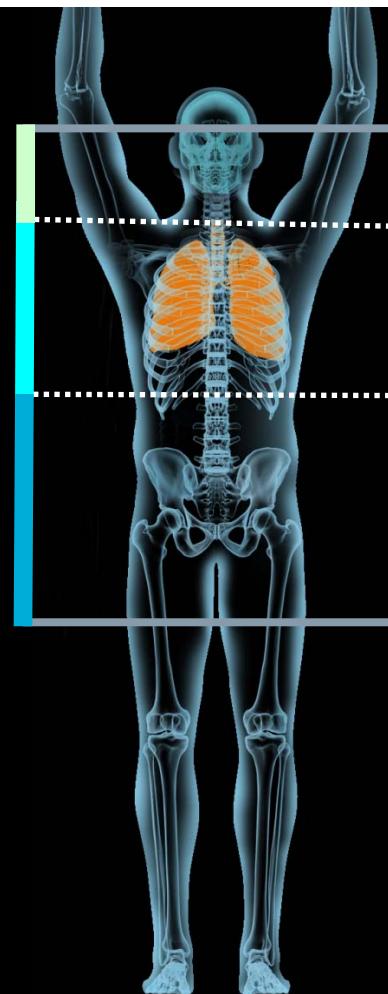
Top of orbits  
to apex of lungs

### Zone 2

Apex of lungs to  
mid abdominal region  
(allow for breathing motion)

### Zone 3

Mid abdominal region  
to mid femur



# Melanoma

## Glucose metabolism evaluation\*

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	n/a
Zone 2	3.0	2.0*	n/a

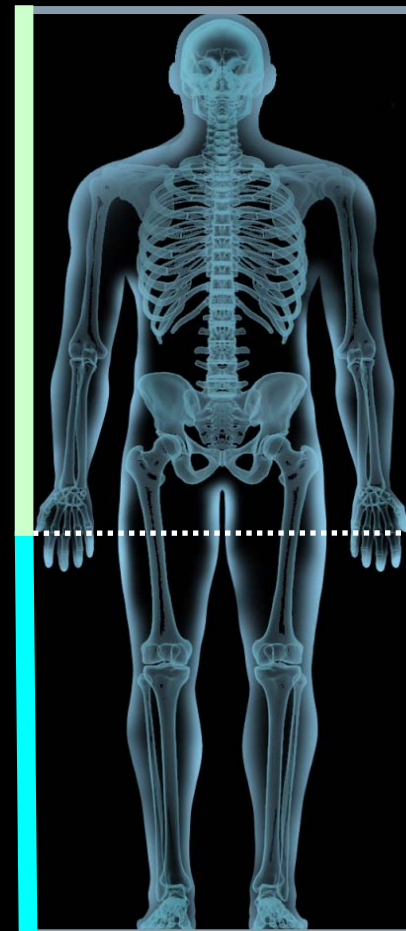
- Biograph mCT Flow scan speed is faster with TrueV technology than without TrueV
- Create two zones and set speed, specific to head to upper thigh, rest of legs
- \*Set to 1mm/sec – if primary in legs

### Zone 1

Vertex of head  
to mid femur

### Zone 2

Mid femur to include  
distal phalanges  
of the feet



# Lymphoma and Non-Specific Cancer

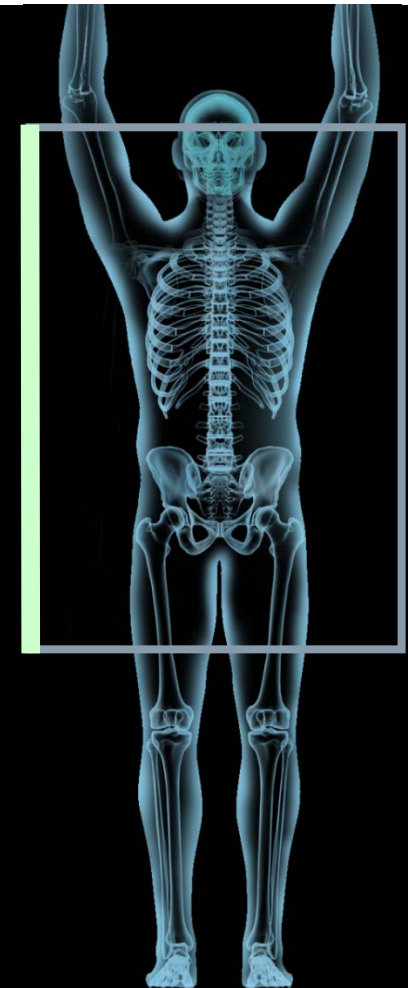
## Glucose metabolism evaluation\*

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	n/a

- Biograph mCT Flow scan speed is faster with TrueV technology than without TrueV
- Create one zone and set speed, specific to the whole body

### Zone 1

Top of orbits  
to mid femur





## **Global Business Unit**

Siemens Medical Solutions USA, Inc.  
Molecular Imaging

2501 N. Barrington Road  
Hoffman Estates, IL 60192-5203  
USA

Telephone: +1 847-304-7700

[www.siemens.com/mi](http://www.siemens.com/mi)

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