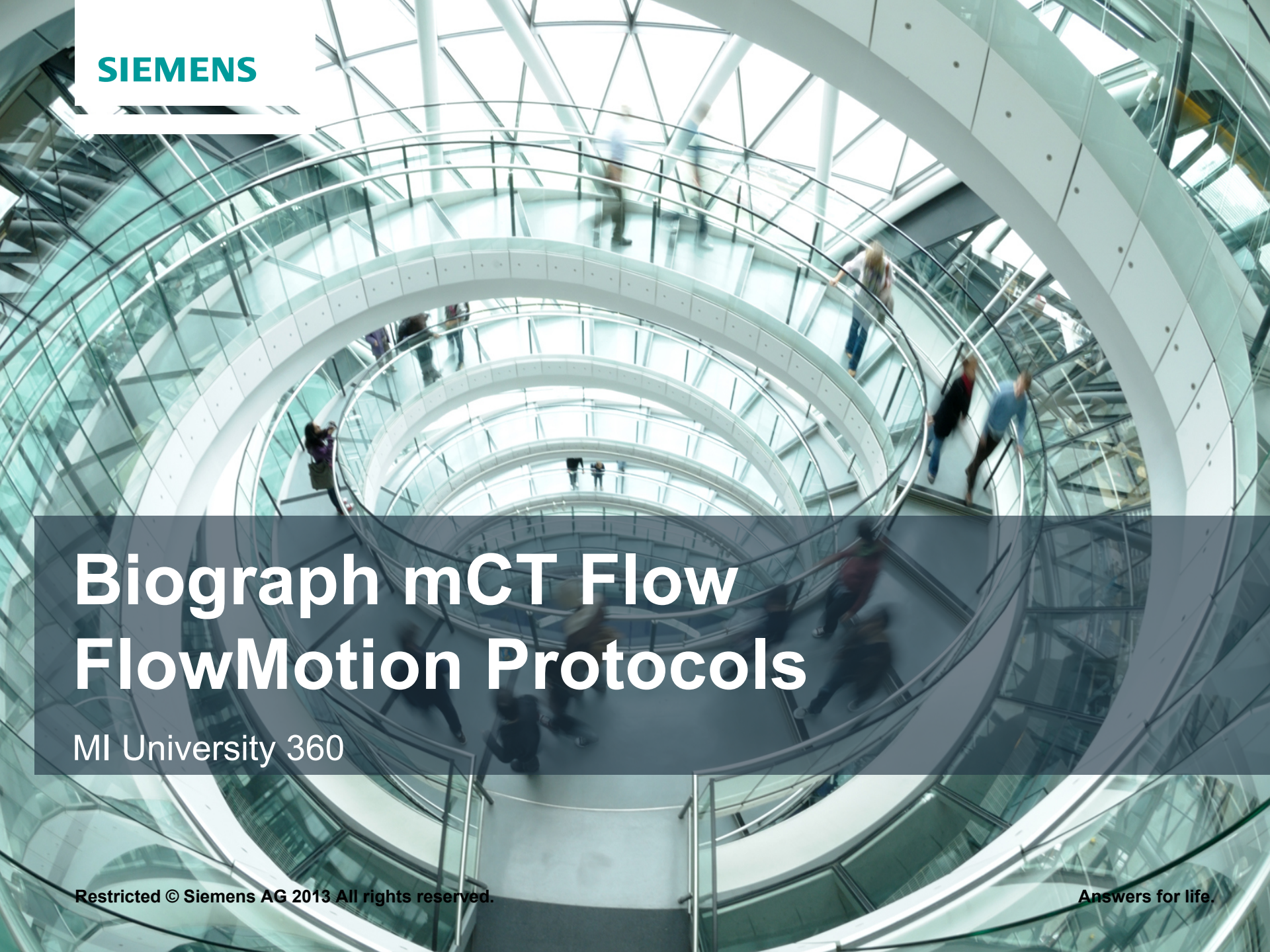


SIEMENS

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.

Head and Neck Cancer
Glucose metabolism evaluation*

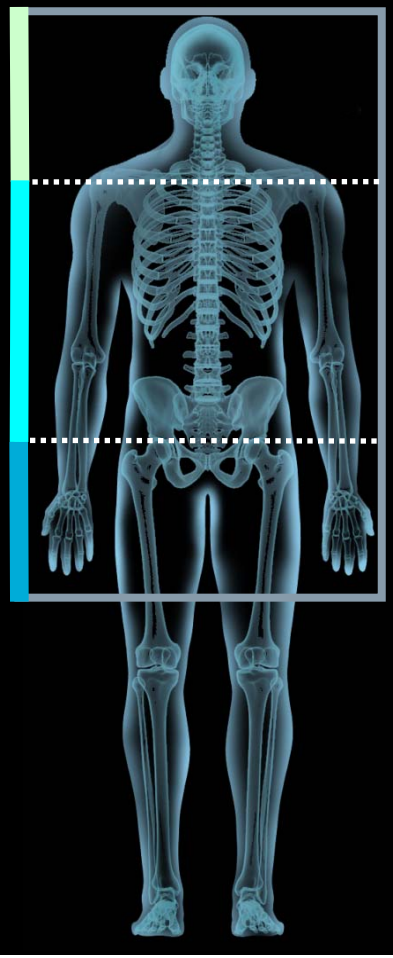
Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	0.5	0.4	Head & Neck, 400x400 reconstruction matrix
Zone 2	1.0	0.7	n/a
Zone 3	2.0	1.5	n/a

- Biograph mCT Flow™ 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

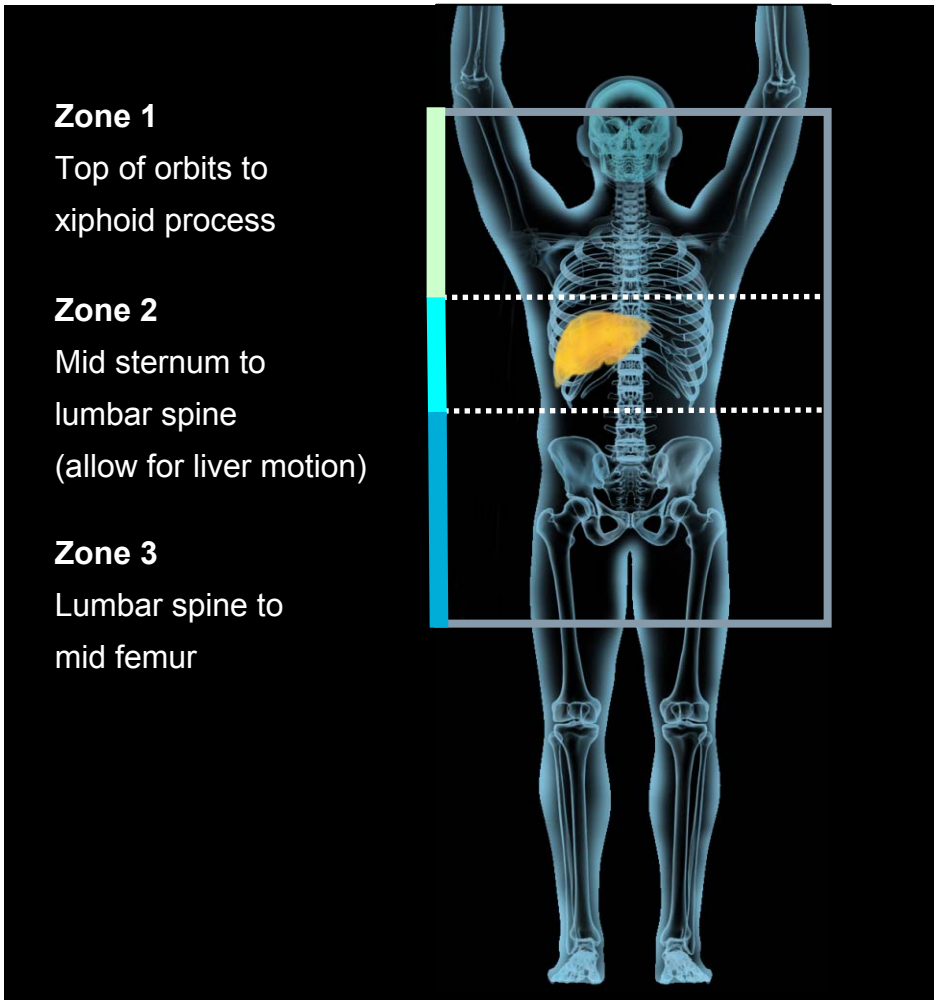


Protocols courtesy of Dr.Yong Bradley, University of Tennessee Medical Center, Knoxville, Tennessee, USA
* Based on typical 10 mCi injected dose

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

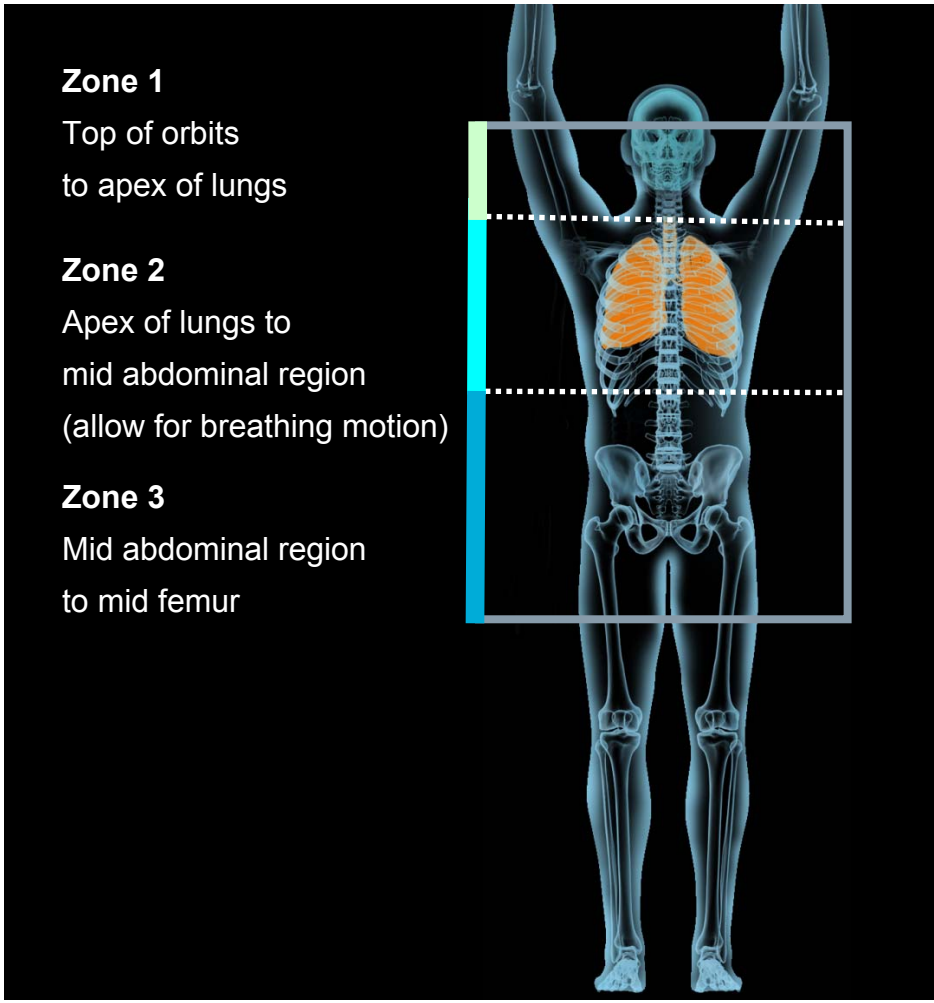


Protocols courtesy of Dr.Yong Bradley, University of Tennessee Medical Center, Knoxville, Tennessee, USA
* Based on typical 10 mCi injected dose

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

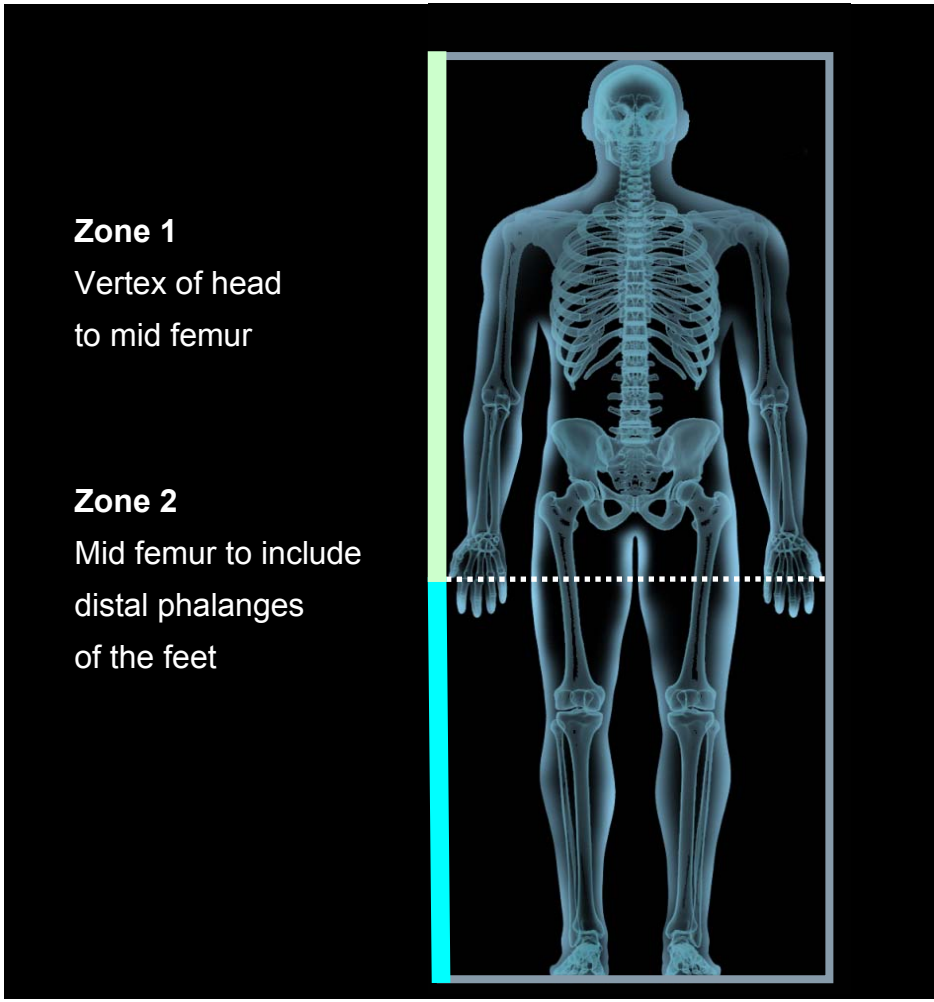


Protocols courtesy of Dr.Yong Bradley, University of Tennessee Medical Center, Knoxville, Tennessee, USA
* Based on typical 10 mCi injected dose

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

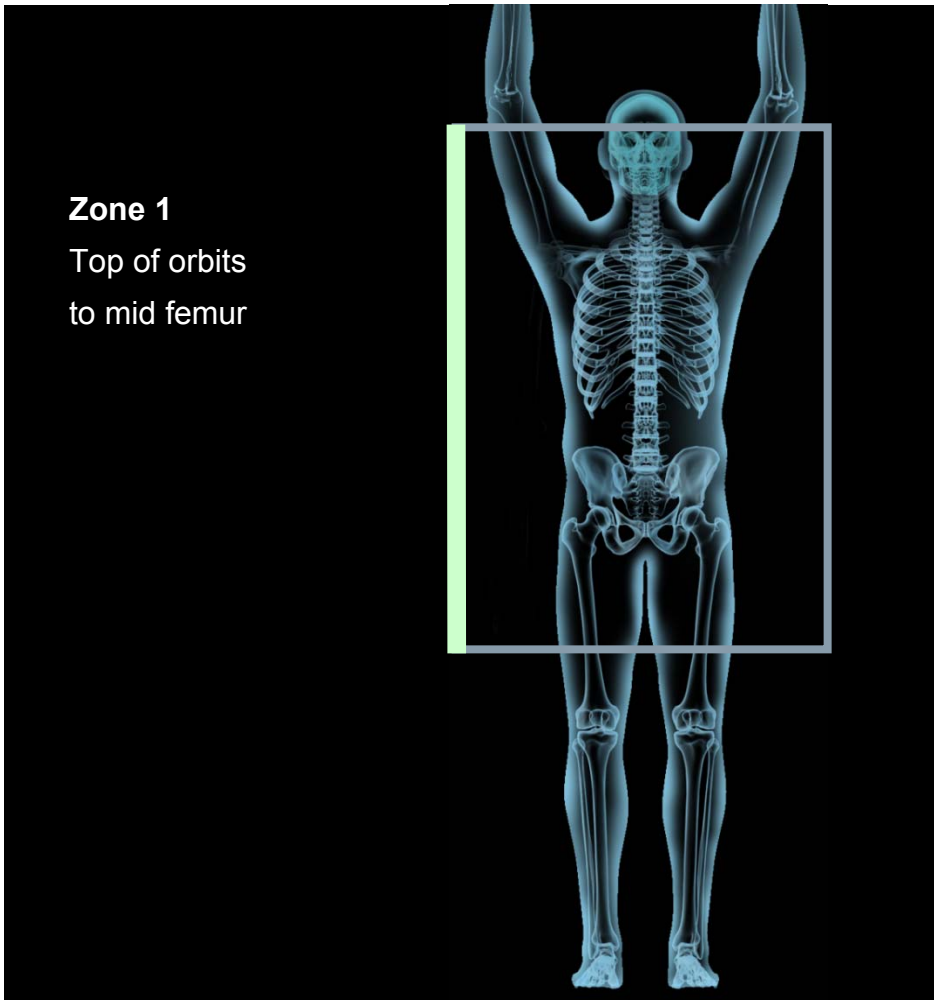


Protocols courtesy of Dr.Yong Bradley, University of Tennessee Medical Center, Knoxville, Tennessee, USA
* Based on typical 10 mCi injected dose

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



Protocols courtesy of Dr.Yong Bradley, University of Tennessee Medical Center, Knoxville, Tennessee, USA
* Based on typical 10 mCi injected dose

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