

The Siemens logo is displayed in a teal, sans-serif font within a white rectangular box in the top-left corner. The background of the entire slide is a high-angle, low-look-up photograph of a modern building's interior, featuring multiple levels of curved, glass-enclosed staircases and walkways. People are seen walking on these levels, and the architecture is characterized by a complex network of white structural beams and glass panels, creating a sense of height and openness.

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# Biograph mCT Flow FlowMotion Protocols

Answers for life.

## Examples of Scan Range Settings

These illustrative conceptual protocols were provided by Dr. Kirk Frey, University of Michigan, Ann Arbor, Michigan, 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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# Lymphoma

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	0.4	0.3	Brain, 400 matrix, Zoom 2, OSEM (4/12)
Zone 2	1.0	0.7	WB, 200 matrix
Zone 3	2.0	1.5	WB, 200 matrix

- Speed settings will differ for Biograph™ mCT scanners with and without TrueV technology
- Create three zones and set speed, specific to head, whole body and legs
- Set special reconstruction parameters for zone 1

**Zone 1**  
mCT TrueV: 0.4 mm/s  
mCT: 0.3 mm/s

**Zone 2**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 3**  
mCT TrueV: 2.0 mm/s  
mCT: 1.5 mm/s



Protocols courtesy of Dr. Kirk Frey, University of Michigan, Ann Arbor, Michigan, USA

# Head and Neck Cancer

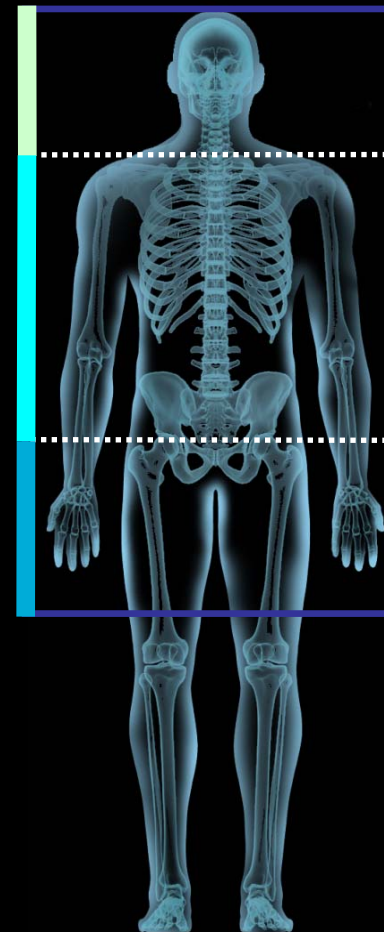
Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	0.4	0.3	Neck, 400 matrix
Zone 2	1.0	0.7	WB, 200 matrix
Zone 3	2.0	1.5	WB, 200 matrix

- Speed settings will differ for Biograph mCT scanners with and without TrueV technology
- Create three zones and set speed, specific to head and neck, body and legs
- Set special reconstruction parameters for zone 1

**Zone 1**  
mCT TrueV: 0.4 mm/s  
mCT: 0.3 mm/s

**Zone 2**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 3**  
mCT TrueV: 2.0 mm/s  
mCT: 1.5 mm/s



Protocols courtesy of Dr. Kirk Frey, University of Michigan, Ann Arbor, Michigan, USA

# Lung Cancer

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	Brain, 400 matrix
Zone 2	0.5	0.4	Gated Lung
Zone 3	1.0	0.7	WB, 200 matrix
Zone 4	2.0	1.5	WB, 200 matrix

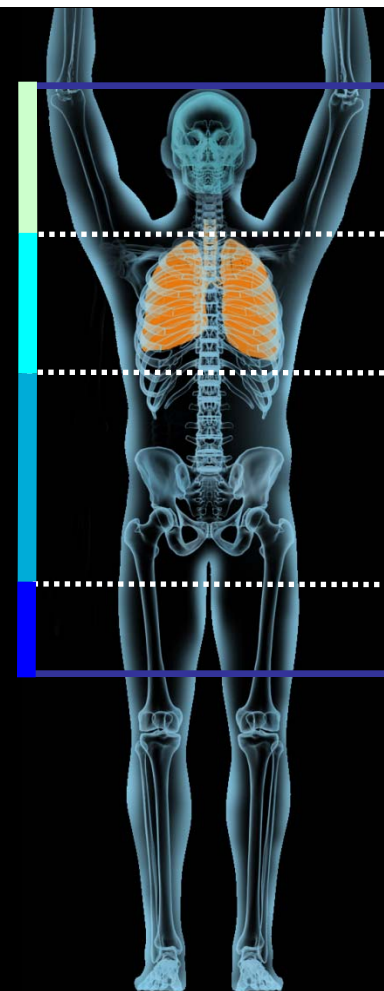
- Speed settings will differ for Biograph mCT scanners with and without TrueV technology
- Create four zones and set speed, specific to head and neck, lungs, body and legs
- Set special reconstruction for zone 1 and gated lung for zone 2

**Zone 1**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 2**  
mCT TrueV: 0.5 mm/s  
mCT: 0.4 mm/s

**Zone 3**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 4**  
mCT TrueV: 2.0 mm/s  
mCT: 1.5 mm/s



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## Colorectal, Abdominal, Pelvic Cancers

Region	Speed mm/s TrueV	Speed mm/s	Special Reconstruction
Zone 1	1.0	0.7	Brain 400 matrix
Zone 2	0.5	0.4	Gated Liver
Zone 3	1.0	0.7	WB, 200 matrix
Zone 4	2.0	1.5	WB, 200 matrix

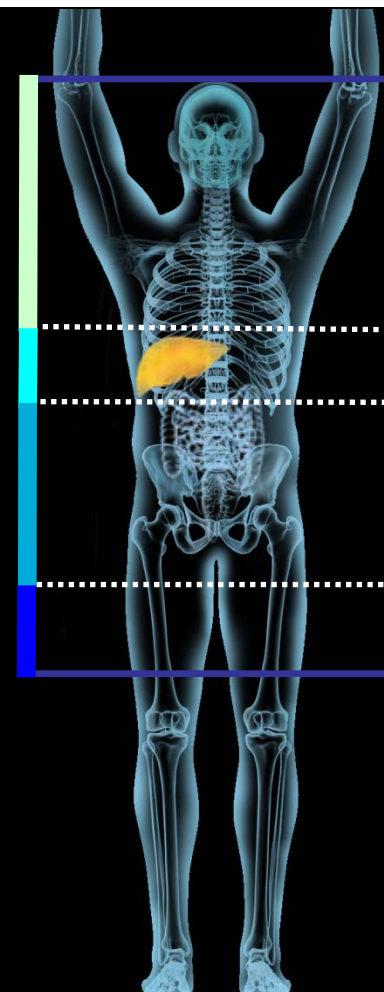
- Speed settings will differ for Biograph mCT scanners with and without TrueV technology
- Create four zones and set speed, specific to head and shoulders, liver, body and legs
- Set special reconstruction for zone 1 and gated liver for zone 2

**Zone 1**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 2**  
mCT TrueV: 0.5 mm/s  
mCT: 0.4 mm/s

**Zone 3**  
mCT TrueV: 1.0 mm/s  
mCT: 0.7 mm/s

**Zone 4**  
mCT TrueV: 2.0 mm/s  
mCT: 1.5 mm/s



Protocols courtesy of Dr. Kirk Frey, University of Michigan, Ann Arbor, Michigan, USA



## **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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**Answers for life.**