

11.1 Body Imaging

Part I Sectional Anatomy of the Body (Chest, Abdomen, Pelvis)

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Slide # 1

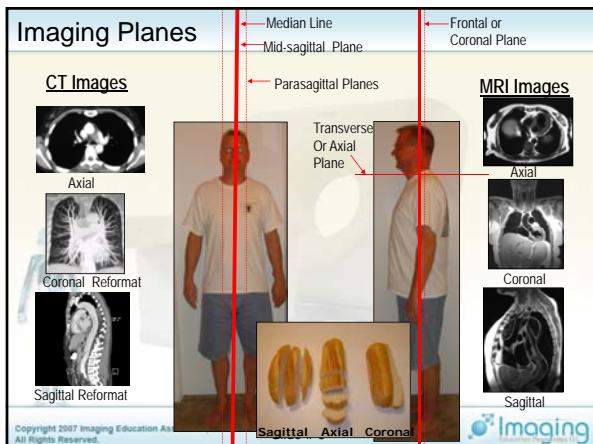
Outline

Part I

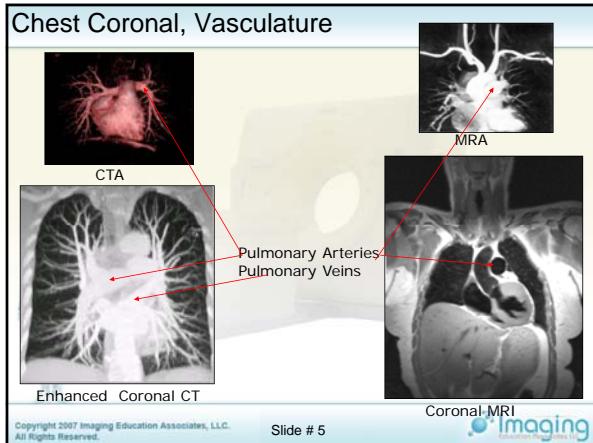
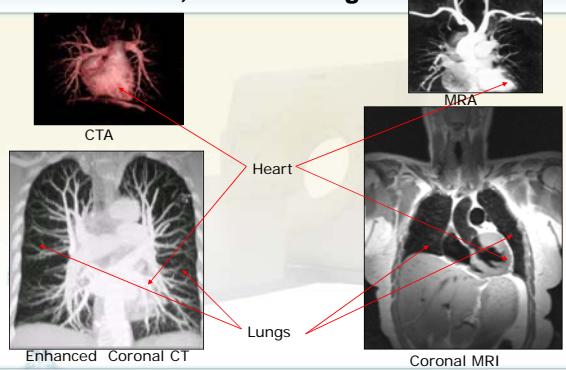
- Planes of the Chest, Abdomen & Pelvis
- Sectional Anatomy of the Chest & Heart
- MR imaging of the Chest
- Sectional Anatomy of the Abdomen & Pelvis
- MR imaging of the Abdomen & Pelvis

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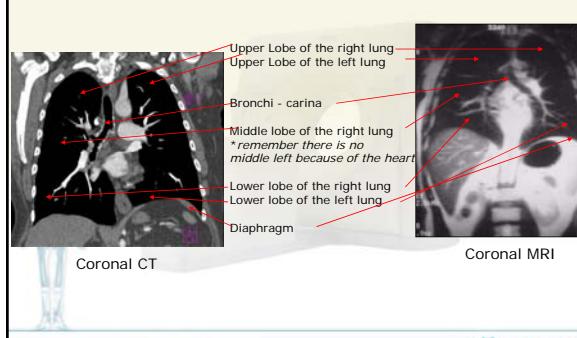
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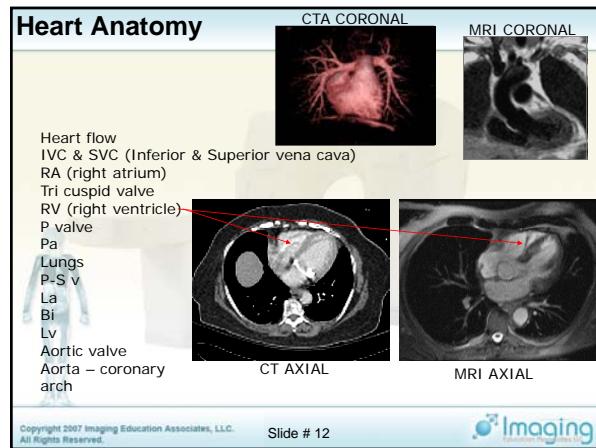
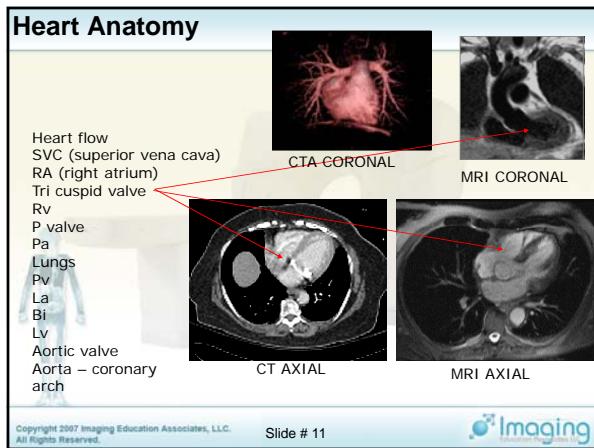
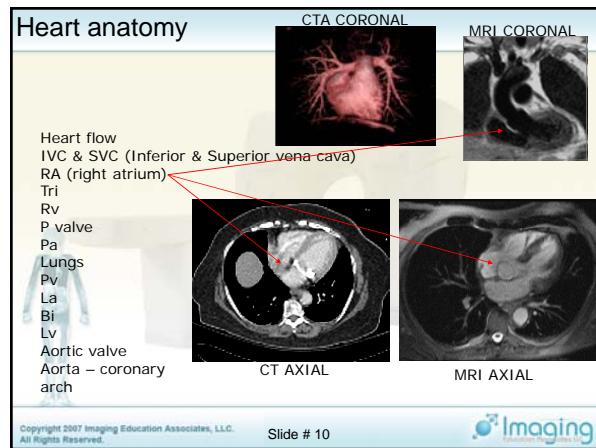
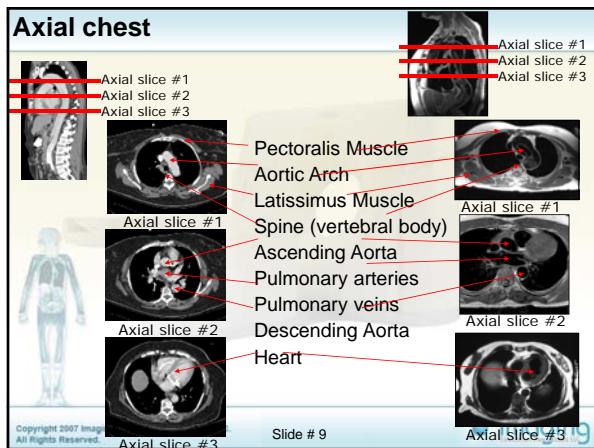
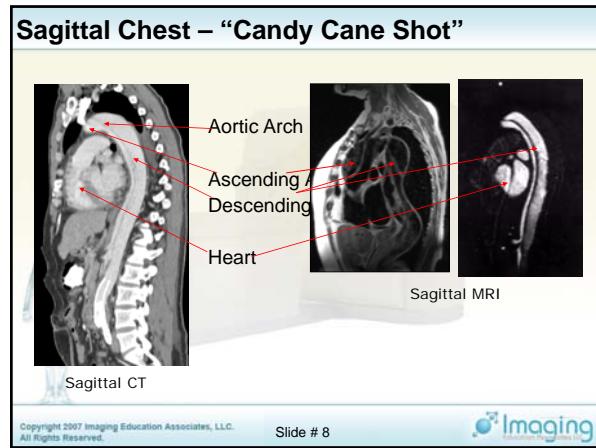
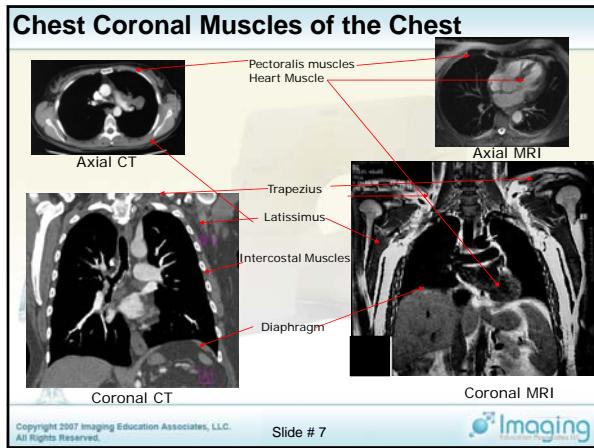


Chest Coronal, Heart & Lungs

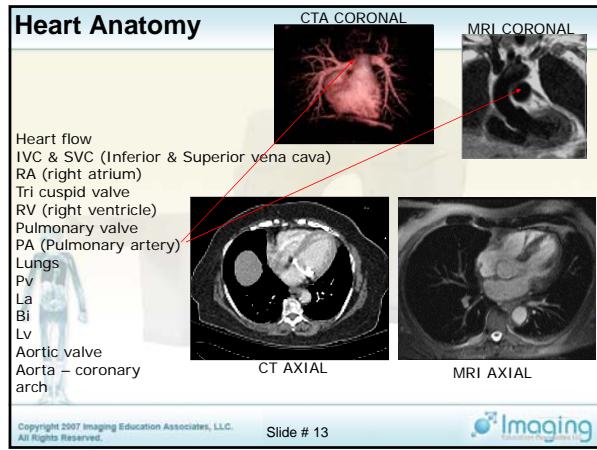


Chest Coronal, Lungs & Airway

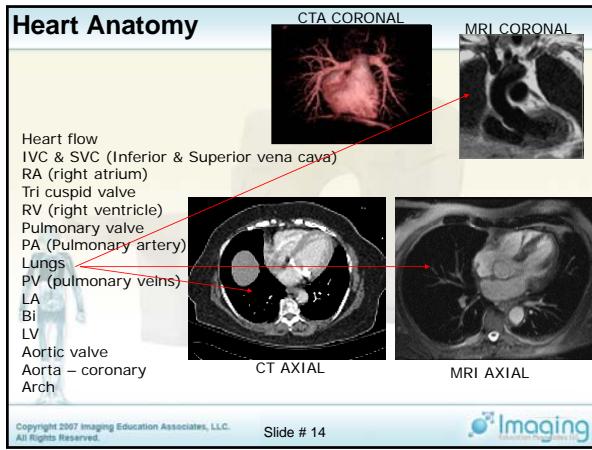




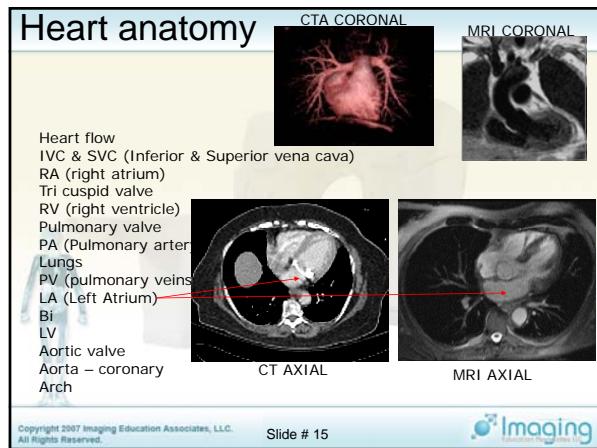
Heart Anatomy



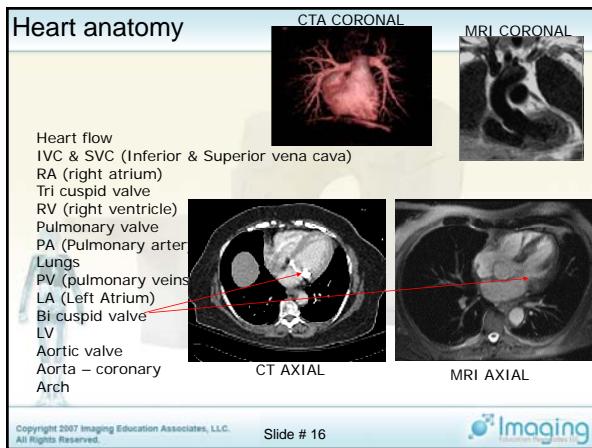
Heart Anatomy



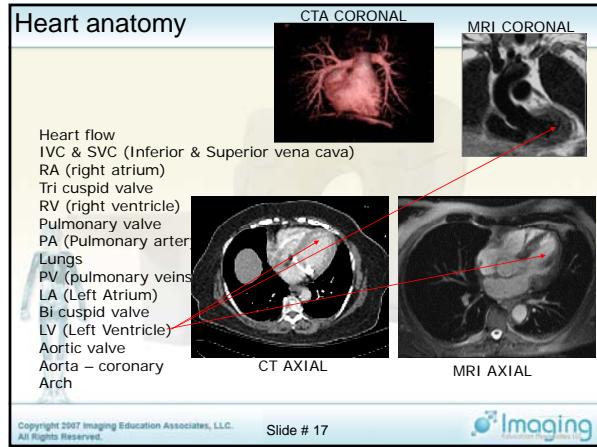
Heart anatomy



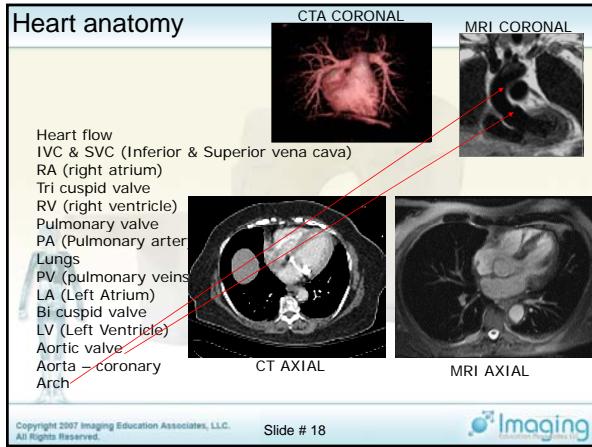
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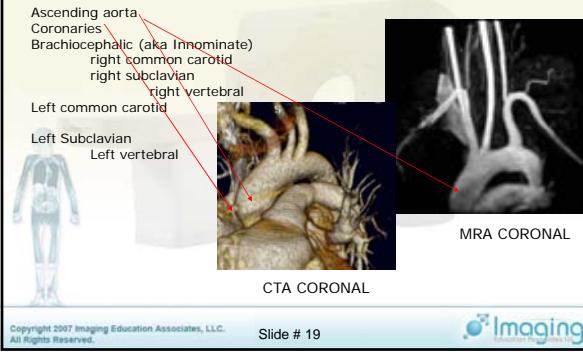
Heart anatomy



Heart anatomy



Aortic Arch – the “A, B, C’s”

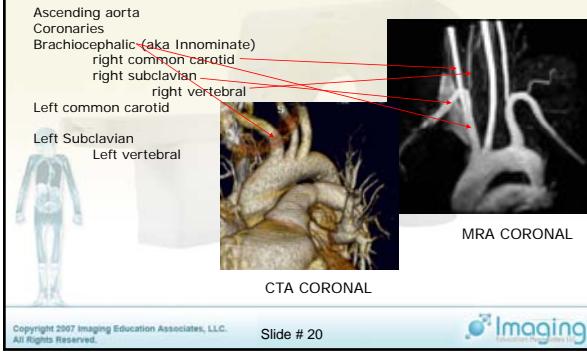


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Aortic Arch – the “A, B, C’s”

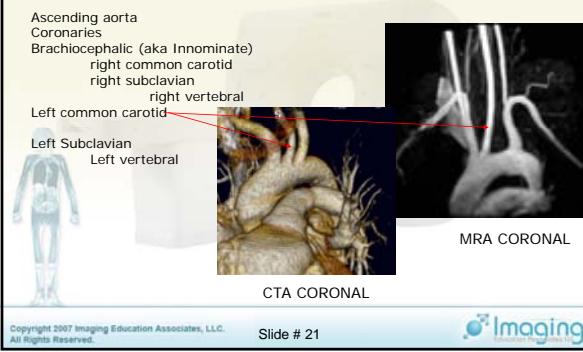


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Aortic Arch – the “A, B, C’s”

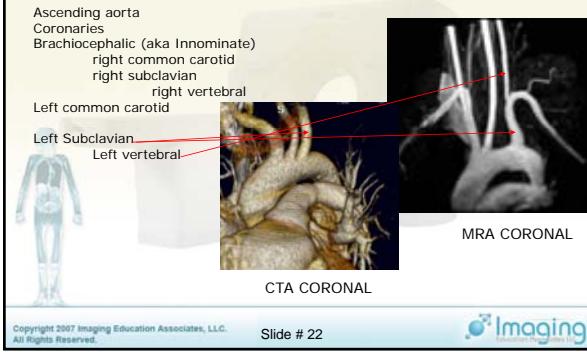


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Aortic Arch – the “A, B, C’s”

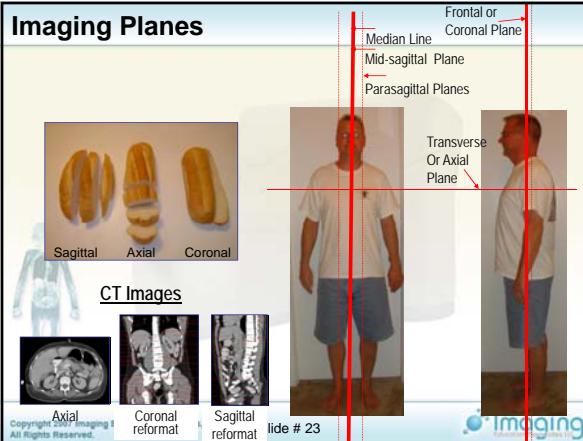


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Imaging Planes



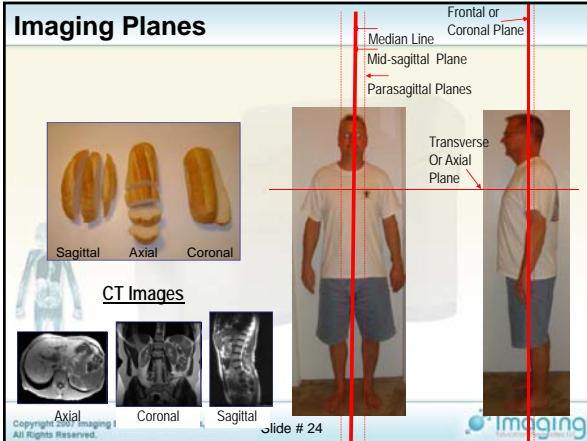
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CT Images

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Imaging Planes

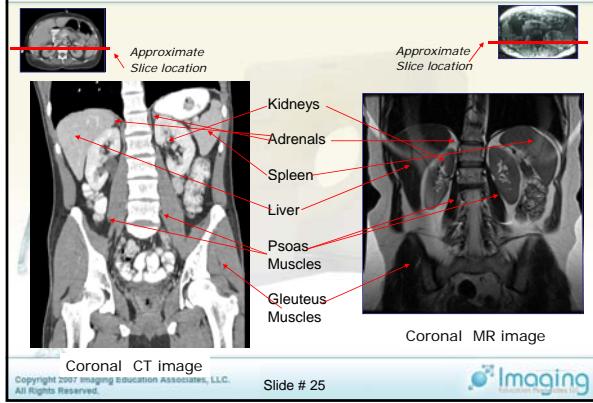


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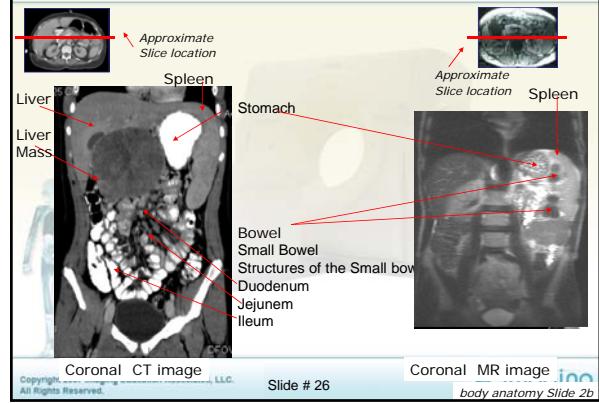
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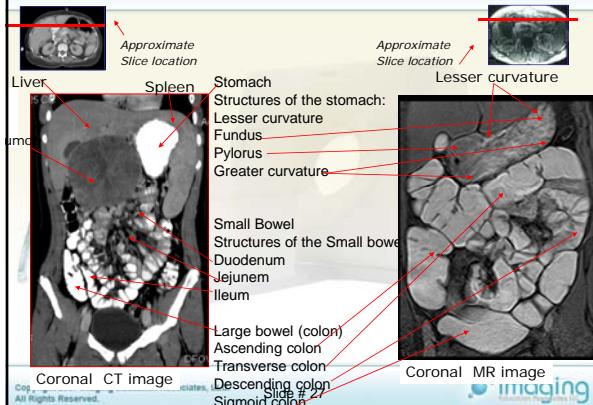
Coronal Abdomen



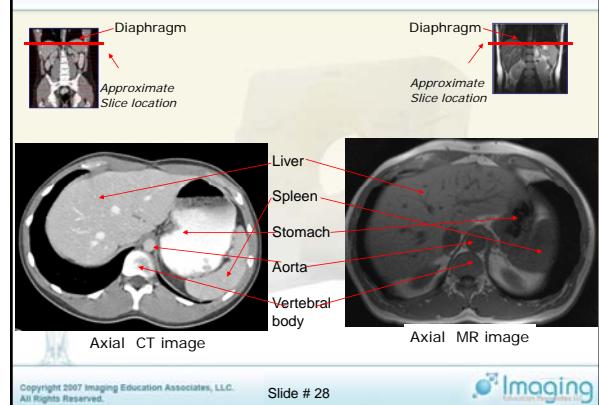
Coronal Abdomen



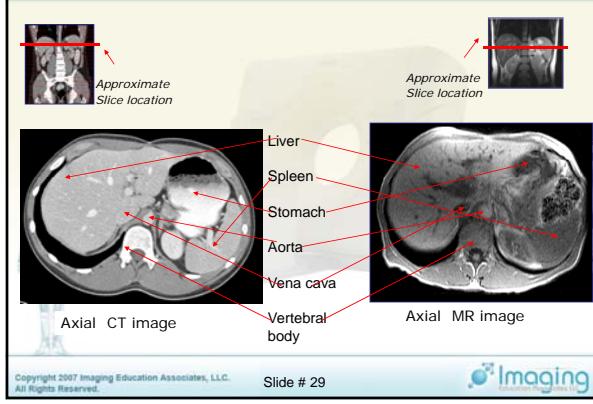
Coronal Abdomen



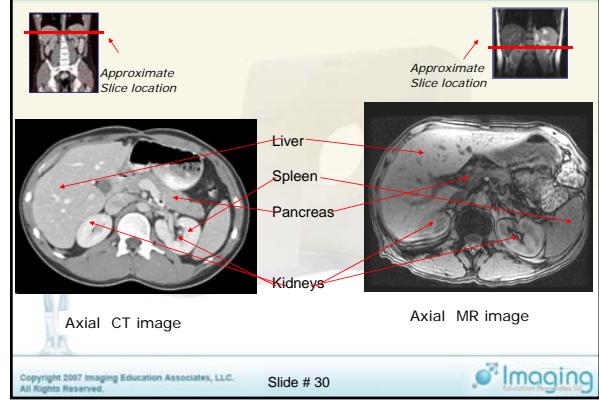
Axial Abdomen

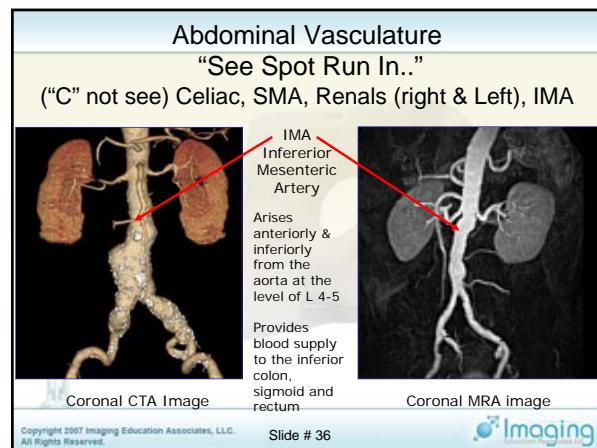
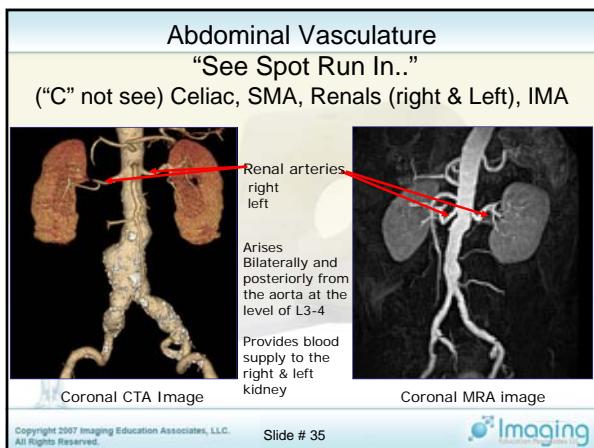
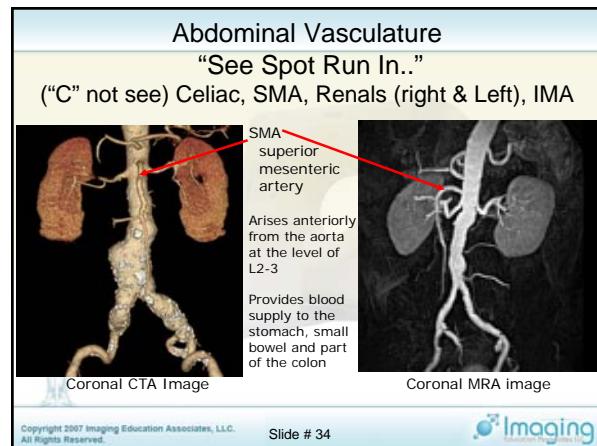
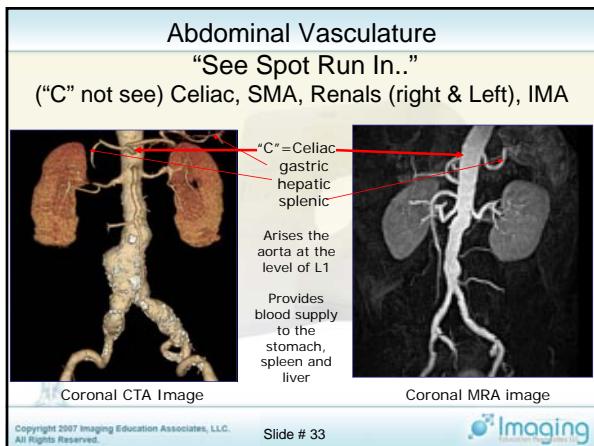
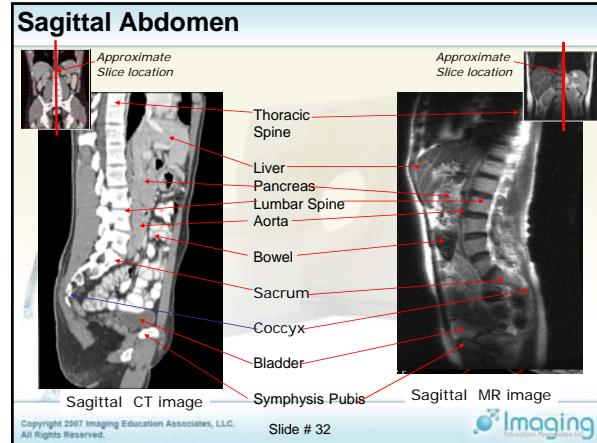
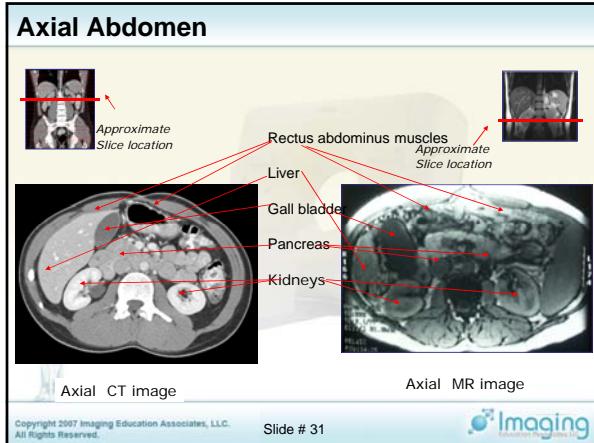


Axial Abdomen



Axial Abdomen





Abdominal Vasculature

"See Spot Run In..."
("C" not see) Celiac, SMA, Renals (right & Left), IMA

Coronal CTA Image Coronal MRA image

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Abdominal Veins

Review Vasculature...

Almost ALL Arteries:

- Carry oxygenated blood away from the heart
- Carry oxyhemoglobin blood to organs

Almost ALL Veins:

- Carry deoxygenated blood to the heart
- Carry deoxyhemoglobin away from organs

Exceptions:

- Portal vein-
 - Carries deoxyhemoglobin to the liver
- Pulmonary veins-
 - Carries deoxyhemoglobin to the lungs
- Pulmonary arteries-
 - Carries oxyhemoglobin to the heart

Coronal abdominal venogram

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Peripheral Vasculature "Run-off's"

Coronal CTA Image Coronal MRA image

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Female Pelvis Anatomy

Sagittal ultrasound image

Sagittal MRI (T2 image)

Sagittal Reformatted CT

Approximate Slice locations

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Female Pelvis Anatomy

Coronal Reformatted CT Coronal MRI (T2 Image)

Approximate Slice locations

Uterus Junctional Zone Endometrium
Ovary Fallopian tube
Bladder
Muscles Gluteal Muscles
Ileum Acetabulum
Obturator internus muscles
Obturator extermus muscles

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Female Pelvis Anatomy

Axial CT #1 Axial MR #1

Axial CT #2 Axial MR #2

Approximate Slice locations CT #1 CT #2

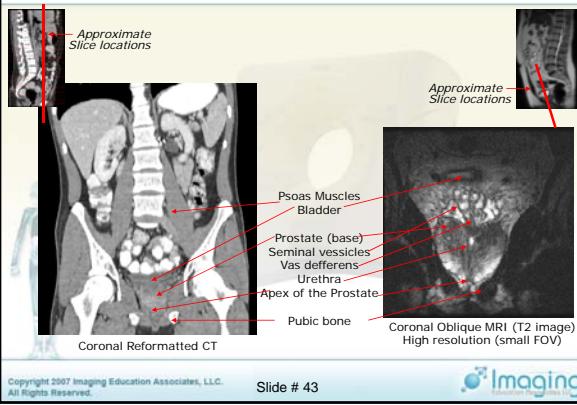
Approximate Slice locations MR #1 MR #2

rectus abdominus muscles
uterus endometrium gluteal muscles
rectum
bladder
ovary femoral head obturator internus muscle
cervix vagina

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Male Pelvis Anatomy

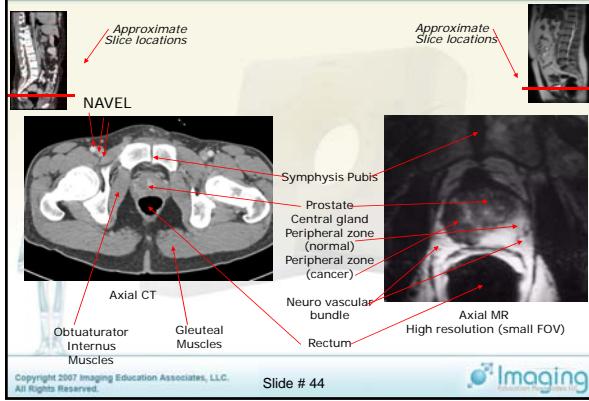


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Male Pelvis Anatomy

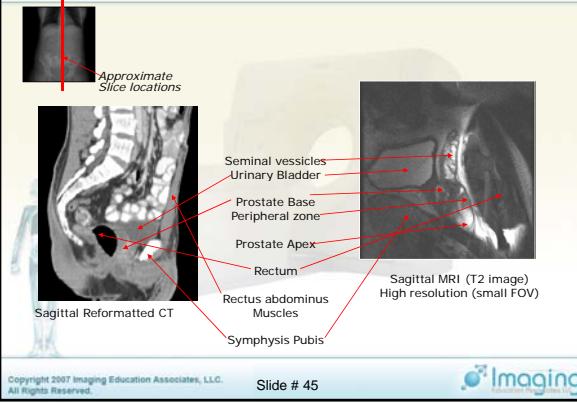


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Male Pelvis Anatomy



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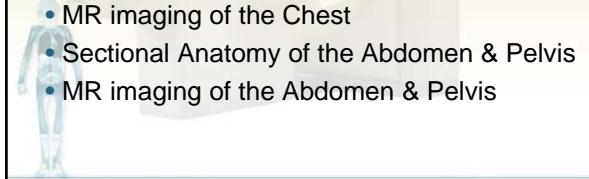
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Outline

Part I

- Planes of the Chest, Abdomen & Pelvis
- Sectional Anatomy of the Chest & Heart
- MR imaging of the Chest
- Sectional Anatomy of the Abdomen & Pelvis
- MR imaging of the Abdomen & Pelvis



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11.1 Body Imaging

Part I – Anatomy of the Chest, Abdomen & Pelvis

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