Kidney – IVP*

- Cortex
- Medulla
- Renal pyramid
- Papilla – very tip of pyramid
- Minor calyx – coalesce to form major calyx
- Renal pelvis
- Ureter

Image courtesy of Christopher Straus, MD.

* Intravenous pyelogram
Kidney – IVP*

Medullary sponge kidney:

Medullary pyramids are clearly delineated as the feathery striated regions

* Intravenous pyelogram
Axial CT

- Right renal vein
- Renal pelvis
- Right renal artery
- Left renal vein
- Diaphragmatic crura

Image courtesy of Christopher Straus, MD.
Axial CT

- Left renal vein
- Pancreas
- Duodenum 2
- Inferior vena cava
- Inferior mesenteric vein
- Superior mesenteric artery

Image courtesy of Christopher Straus, MD.
Axial CT

Image courtesy of Christopher Straus, MD.
Coronal CT

Image courtesy of Christopher Straus, MD.
Partially duplicated right ureter

Coronal images from delayed IV contrast enhanced CT
Superior Mesenteric Artery syndrome

Celiac trunk

Superior mesenteric artery

Sagittal reconstruction demonstrating acute angle between origin of SMA and aorta

Duodenum between aorta posteriorly and superior mesenteric artery anteriorly
Congenital diaphragmatic hernia

- Rightward displacement of heart / mediastinum
- Bowel loops in left hemithorax
- No bowel gas seen in abdomen
- Nasogastric tube
Hiatal hernia

Gastroesophageal junction

Diaphragm

Axial CT and lateral oblique swallow study