

Thoracoabdominal CT Imaging

Benjamin W. Strong, MD
Chief Medical Officer, vRad

Medical School: University of Arizona HSC
Internal Medicine Residency: Dartmouth-Hitchcock MC
Radiology Residency: University of Arizona HSC
MSK/Body MR Fellowship: University of Arizona HSC

3 years Emergency Physician
2 years Radiology private practice
2 years Assistant Professor, University of Arizona HSC
20 years Virtual Radiologic

Licensed to practice in all 50 states

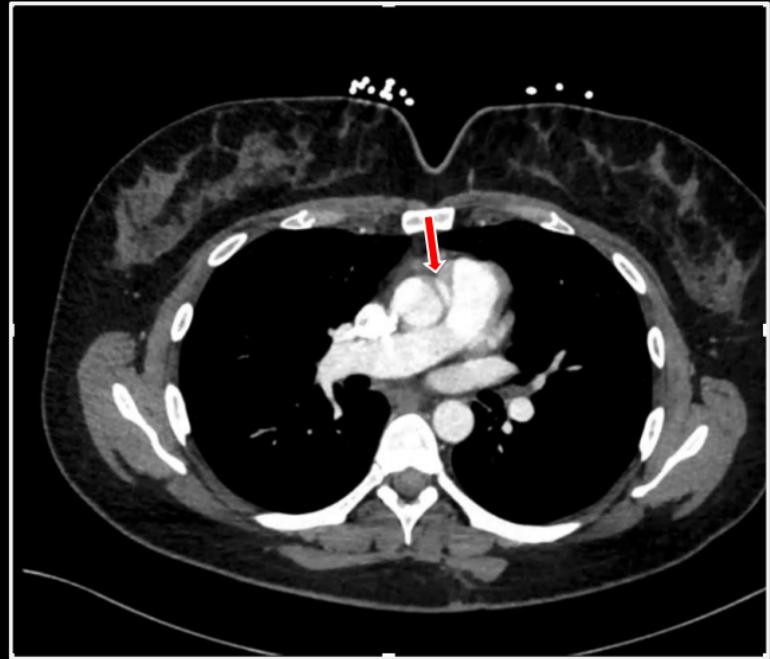


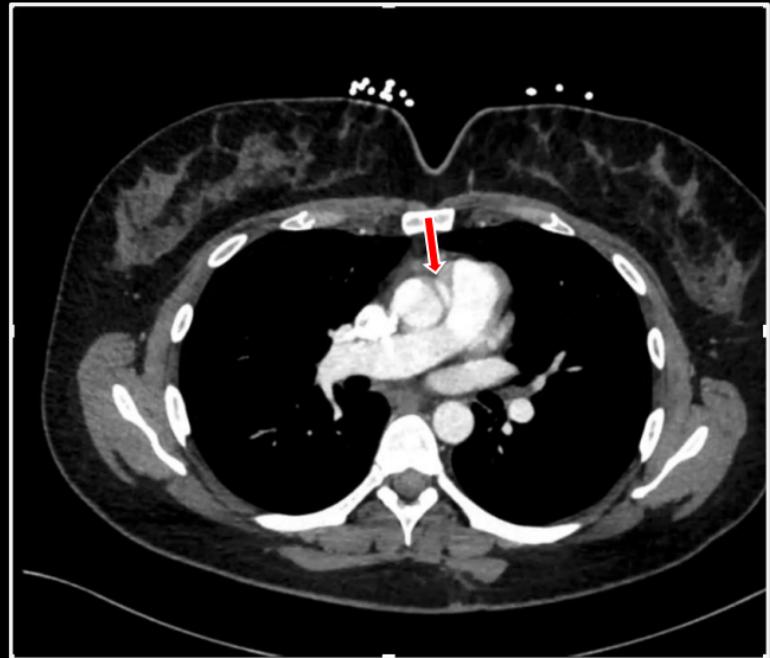
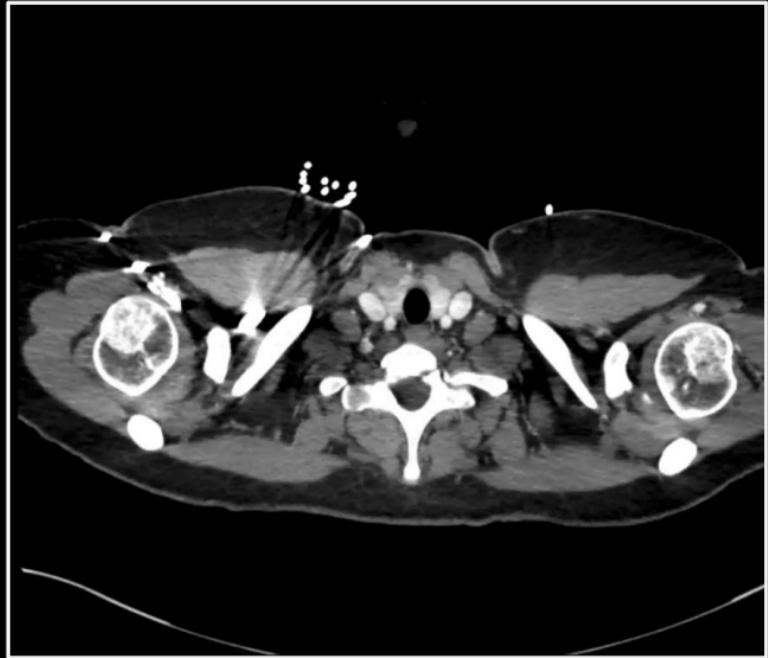
Thoracoabdominal CT Imaging

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Aortic motion artifact

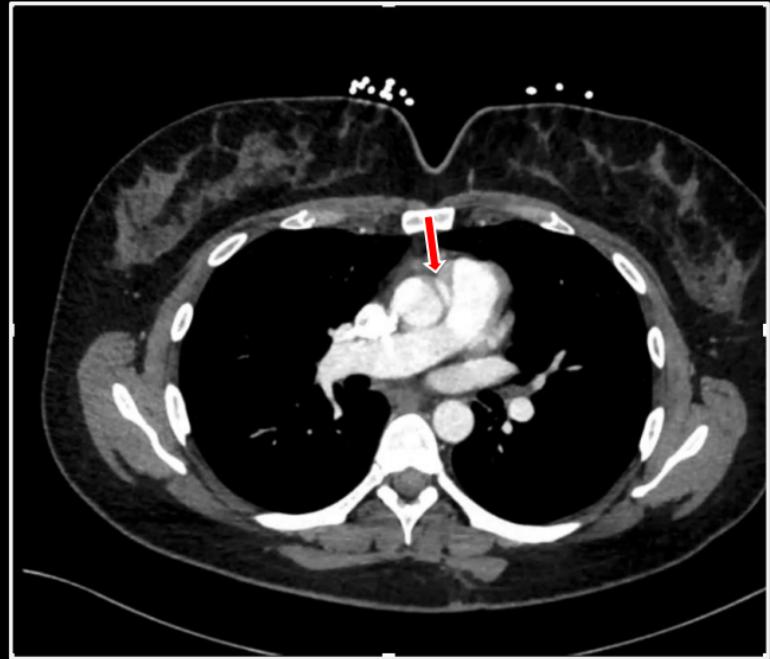
Aortic dissection overall





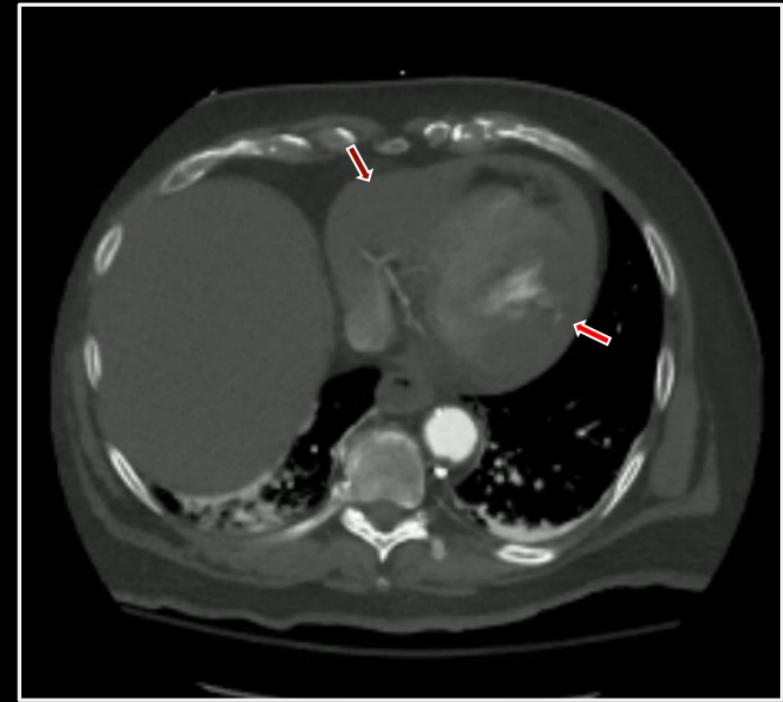
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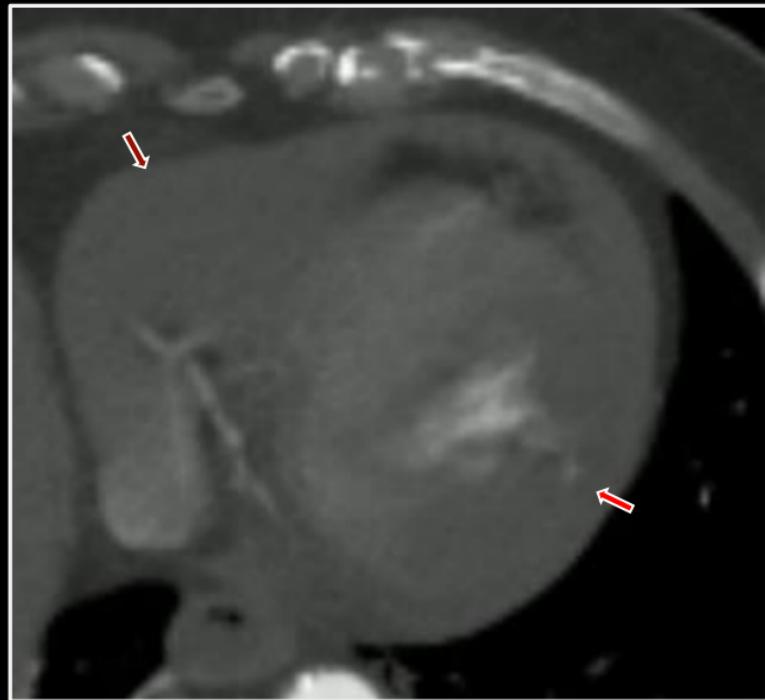
Myocardial defect
Hemopericardium

Acute myocardial infarct
with ventricular rupture



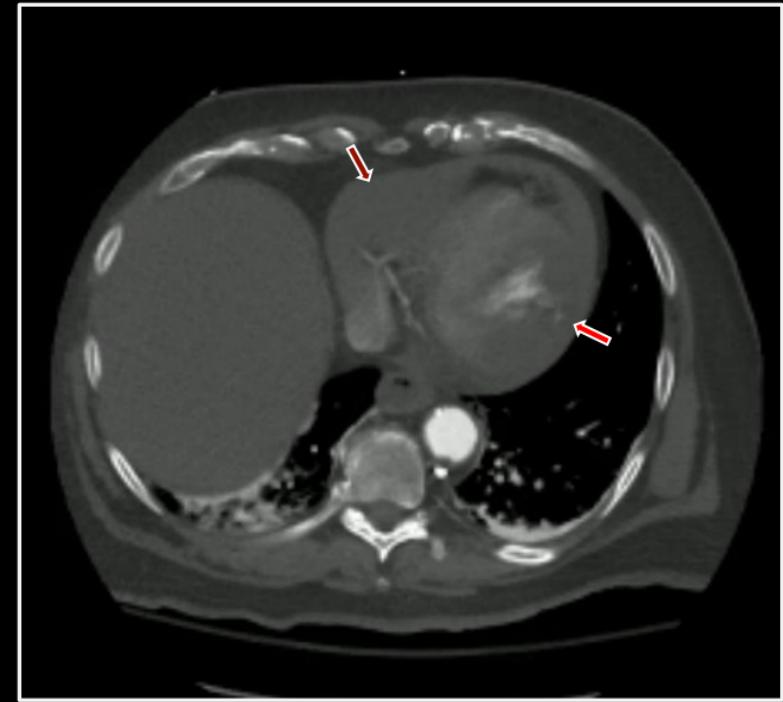
Myocardial defect
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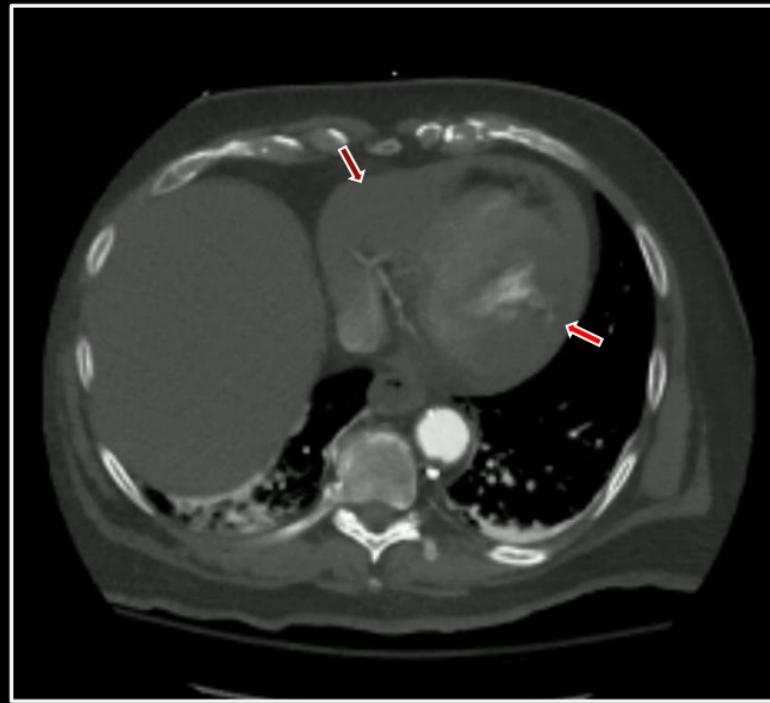
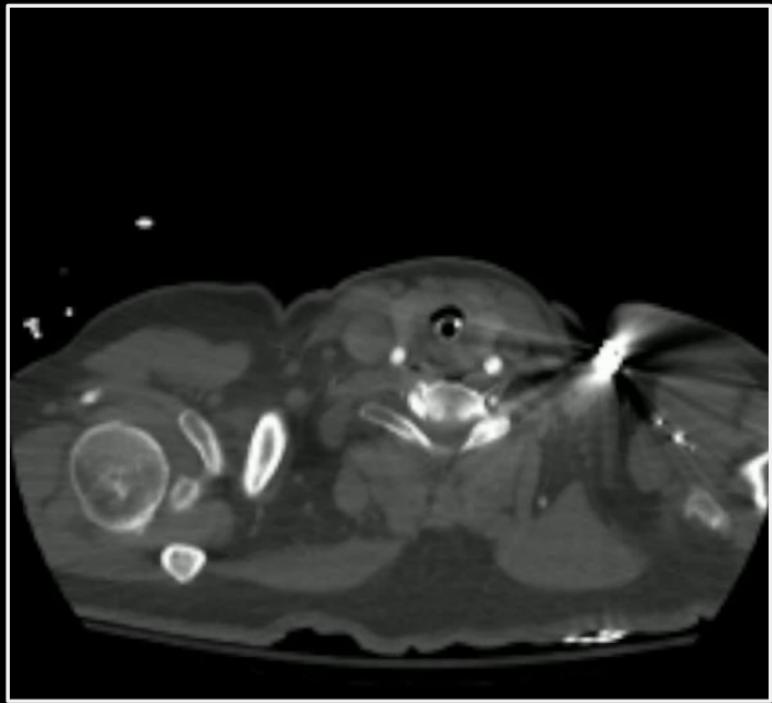
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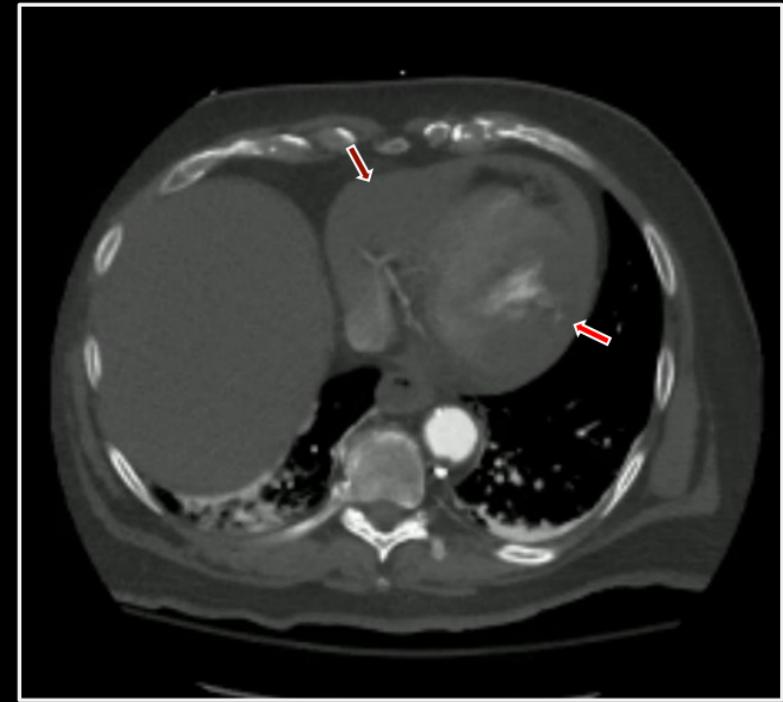
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Paravalvular septal erosion

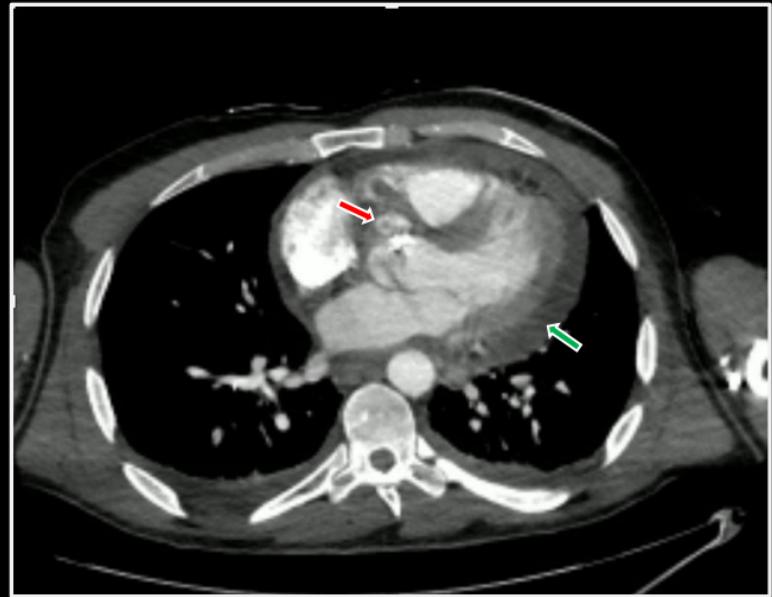
Pericardial fluid

Renal hypodensities

Spleen hypodensities

Hepatic hypodensities

Aortic endocarditis



Paravalvular septal erosion

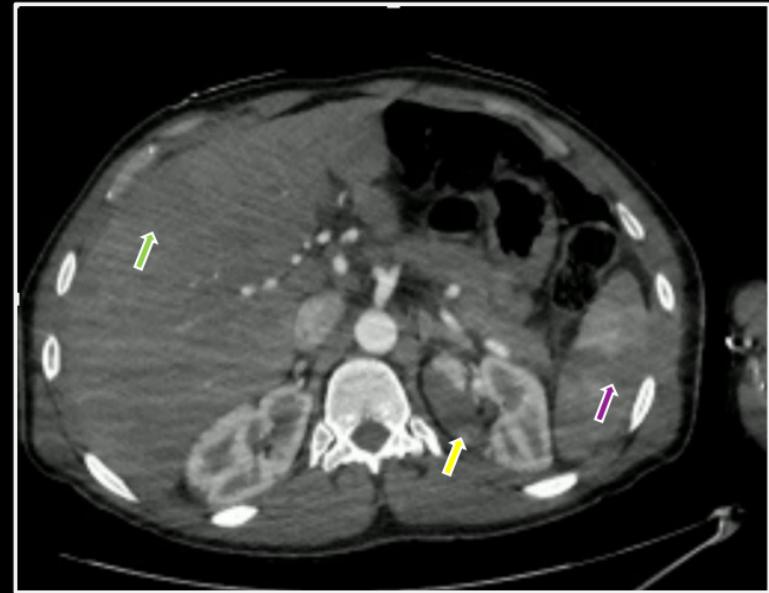
Pericardial fluid

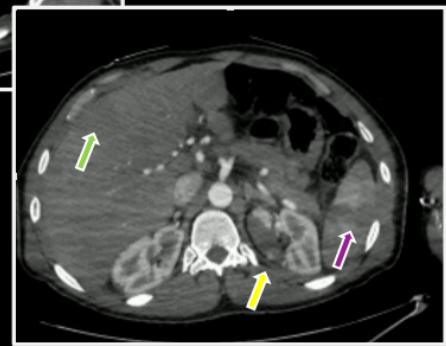
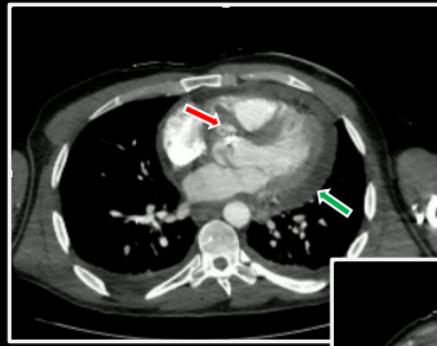
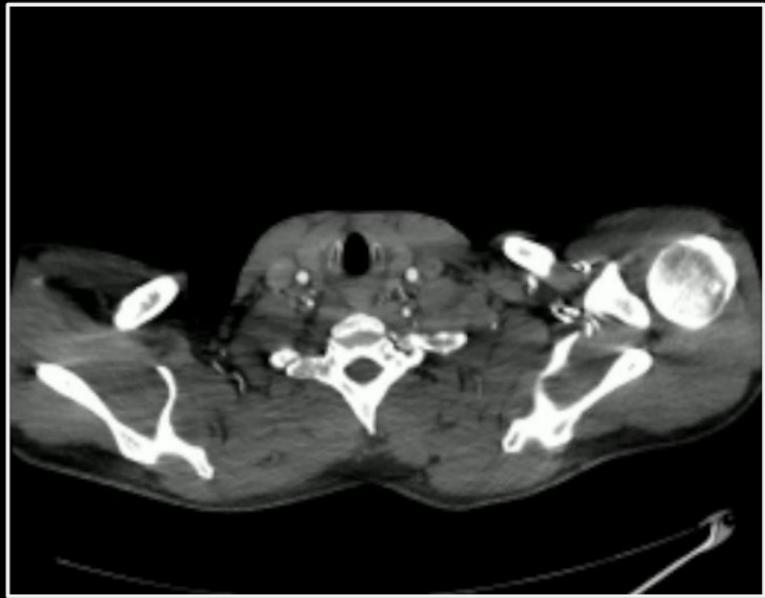
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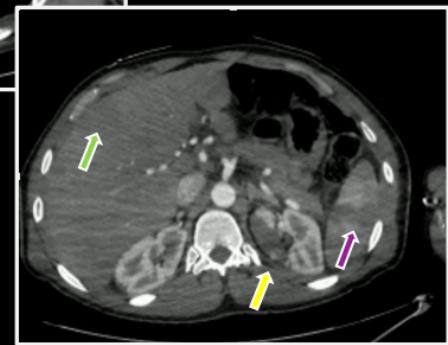
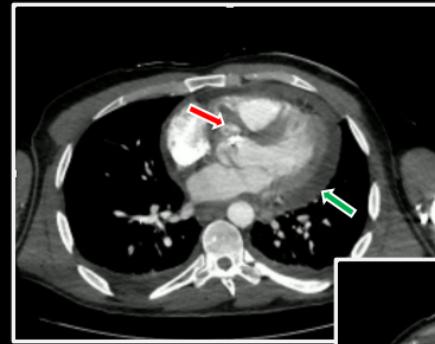
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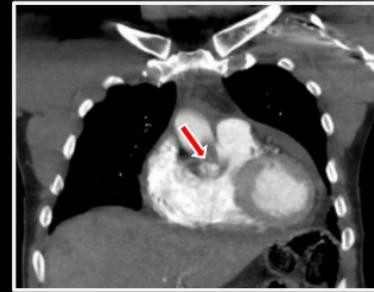
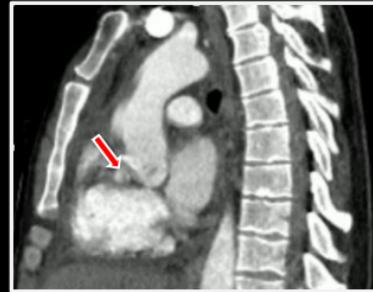
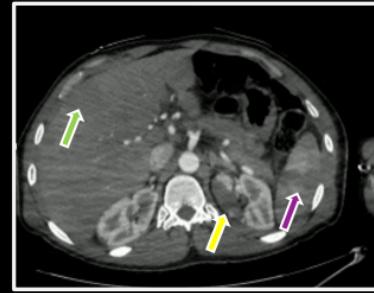
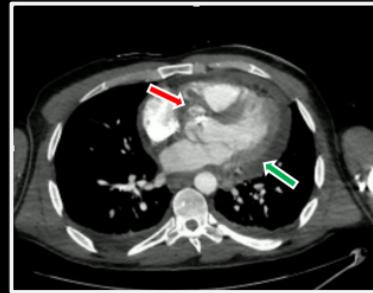
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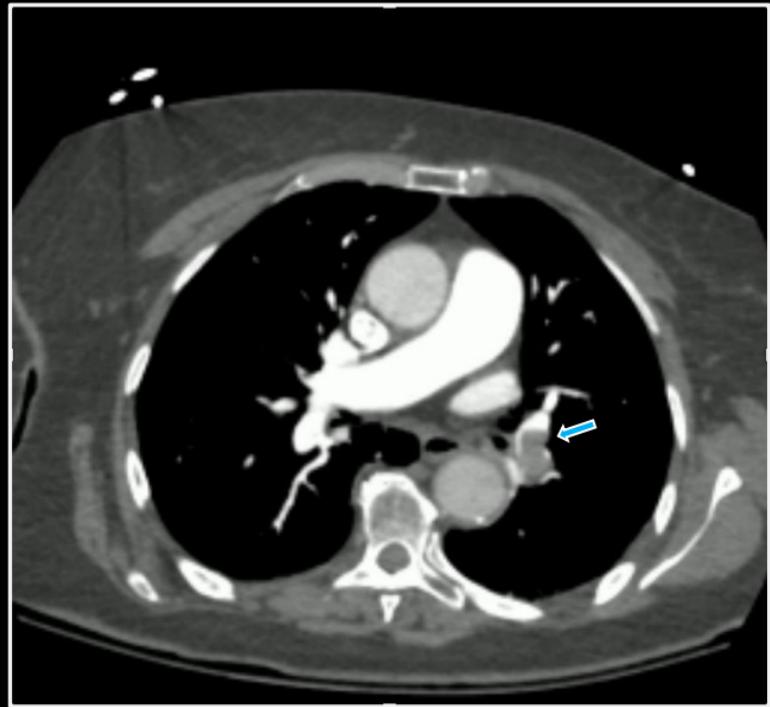
Spleen hypodensities

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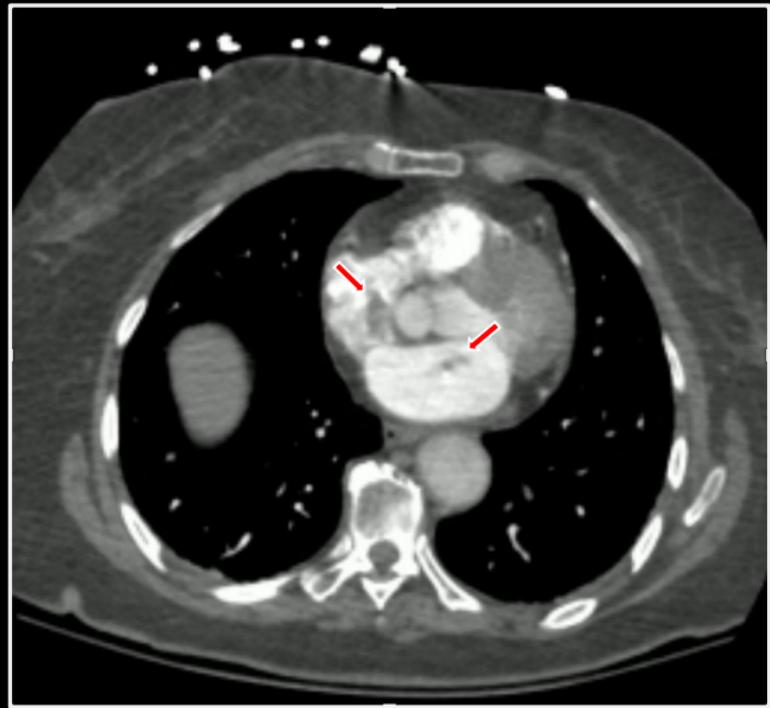
Pulmonary arterial filling defect
Intra-atrial filling defects

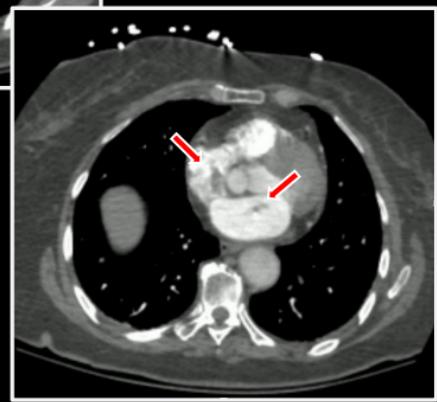
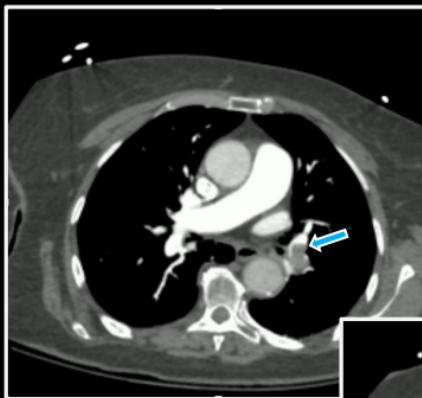
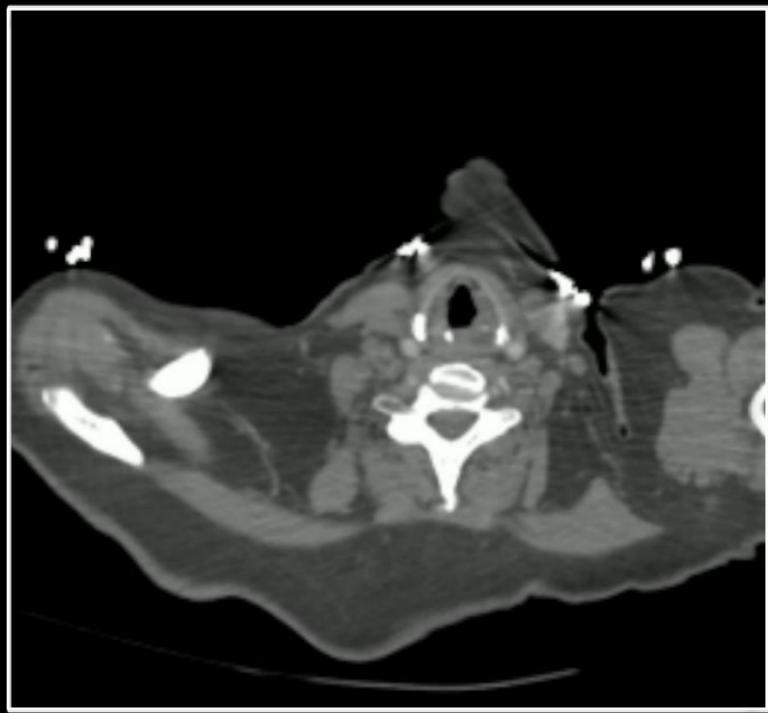
Paradoxical embolism



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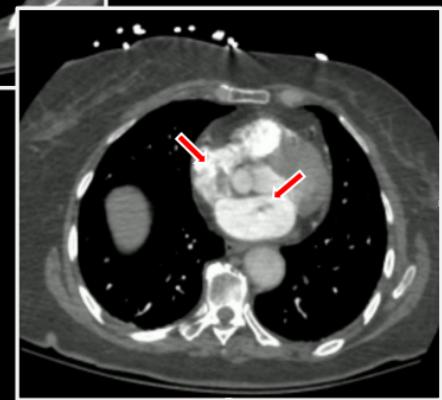
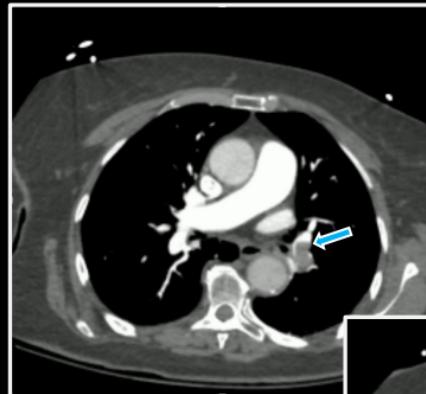
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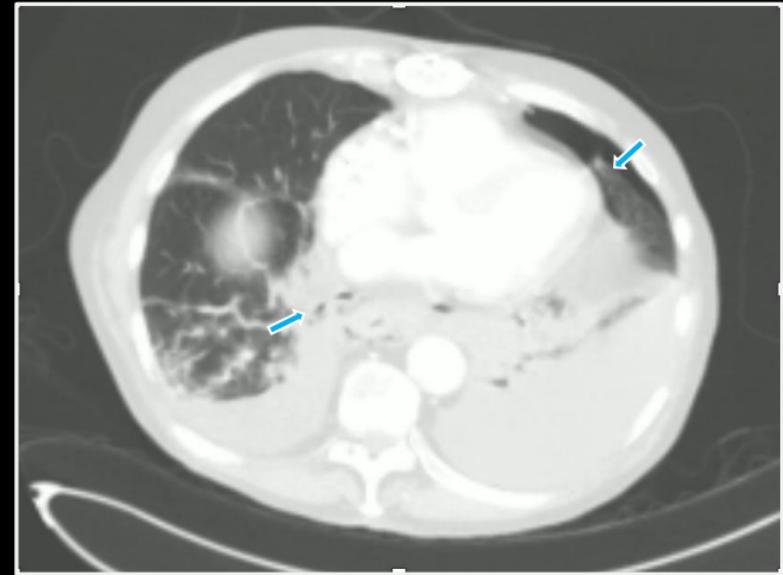
Pneumomediastinum/thorax

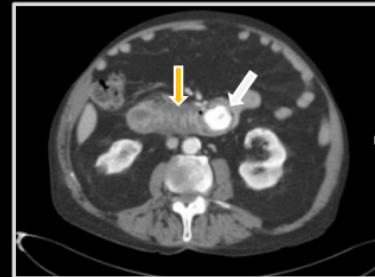
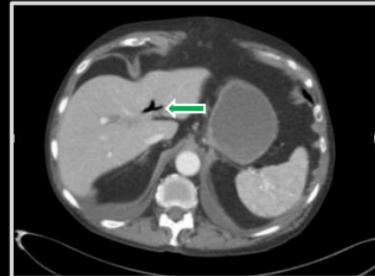
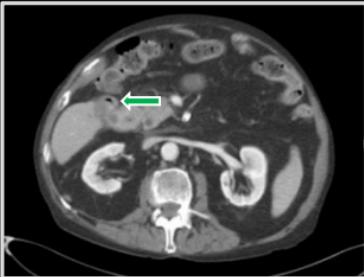
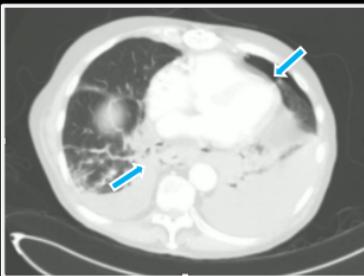
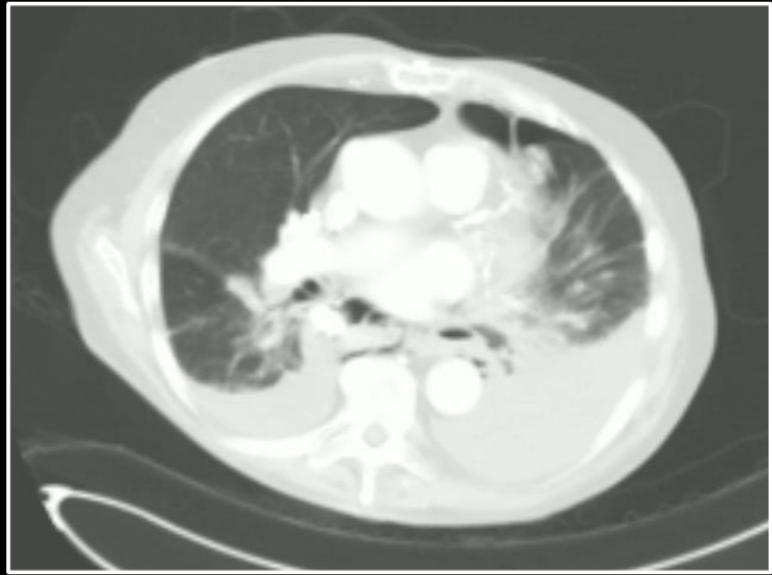
Pneumobilia

Small bowel wall thickening

Rounded intraluminal calcification

Gallstone ileus





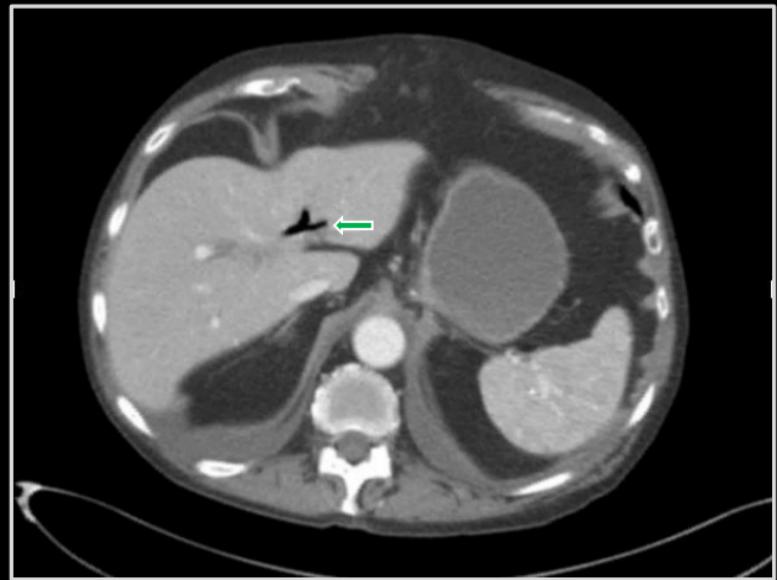
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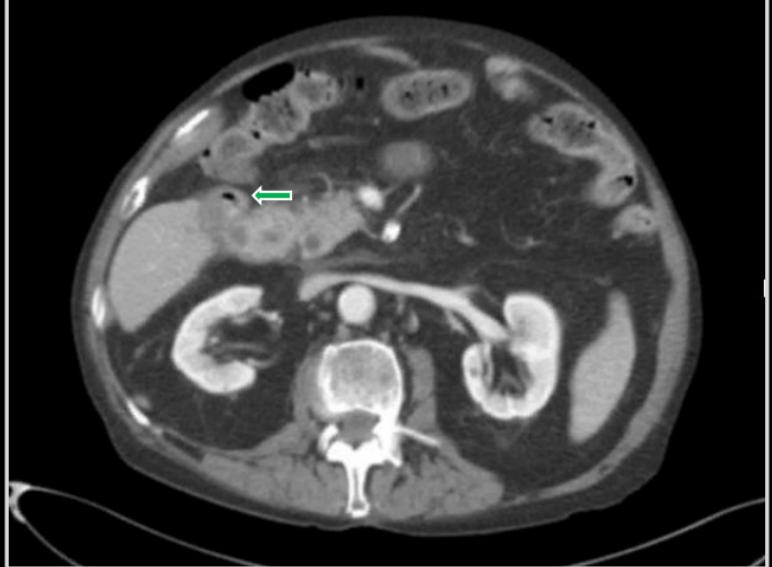
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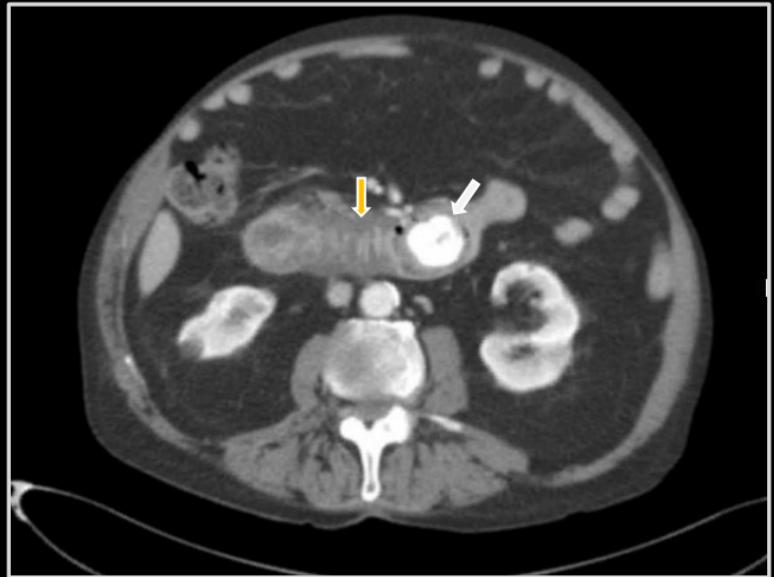
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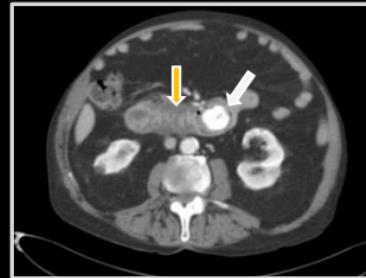
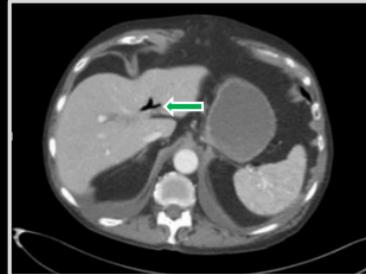
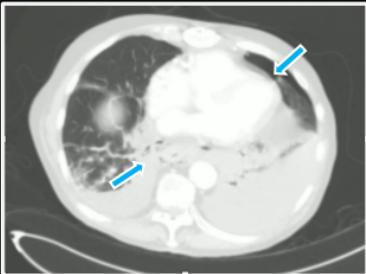
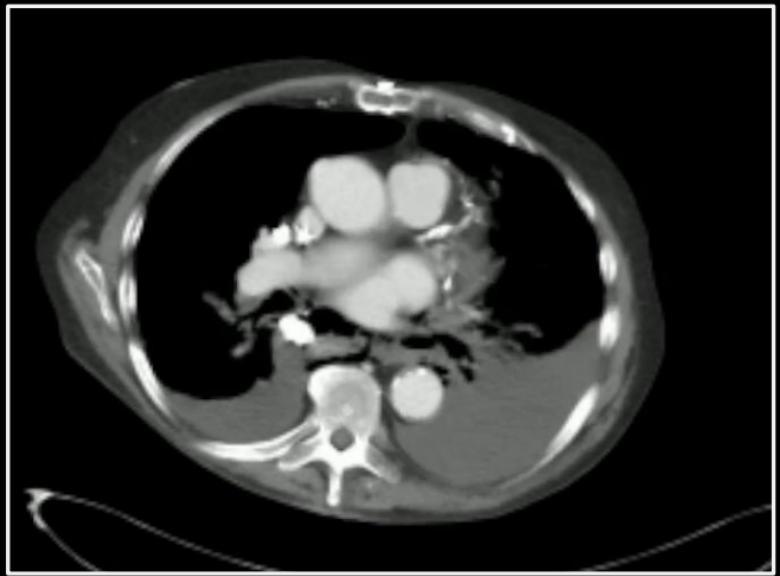
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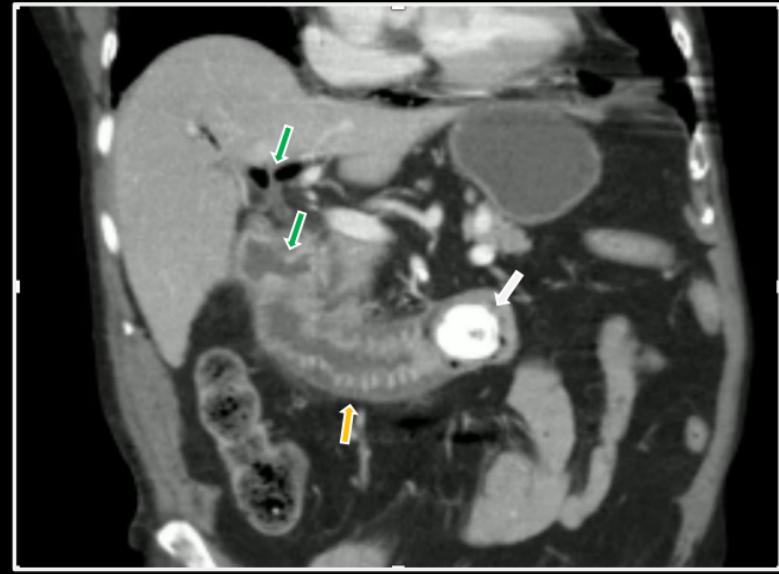
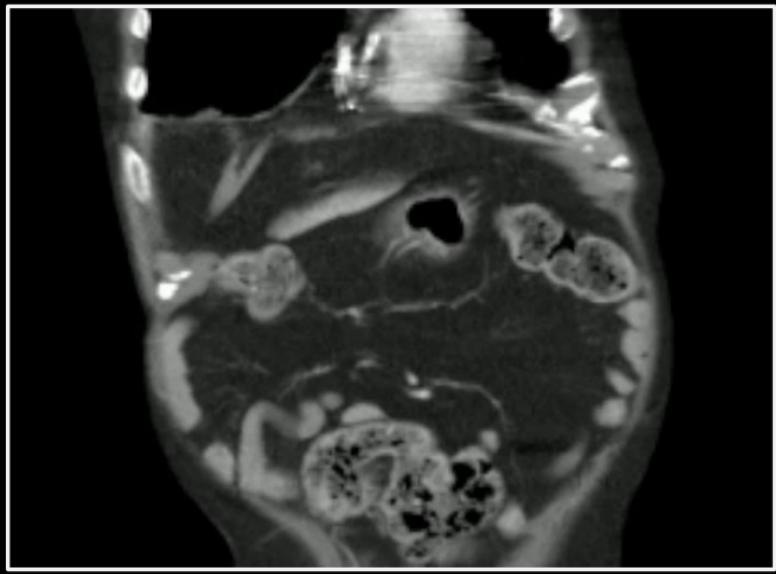
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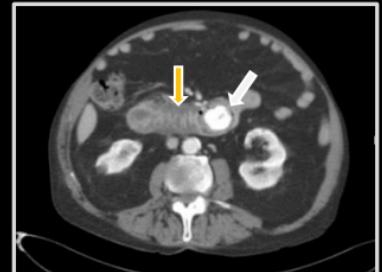
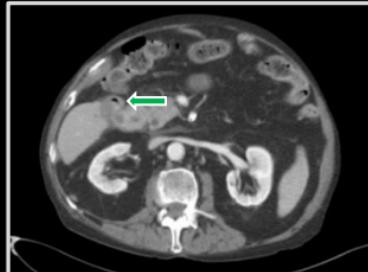
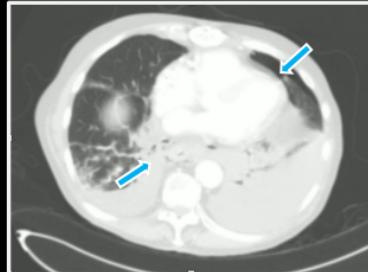
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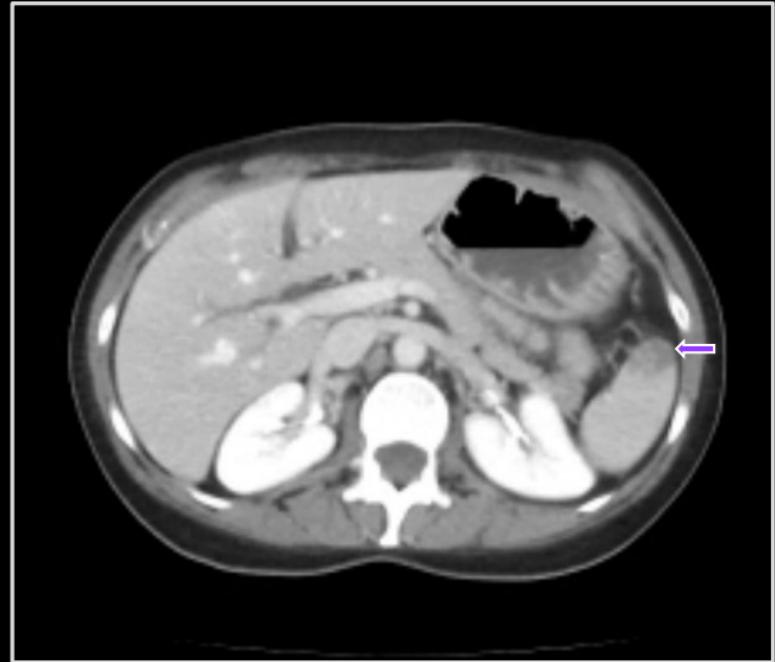


Splenic hypodensities

SMA filling defect

Small bowel wall thickening

Thromboembolic ischemic bowel

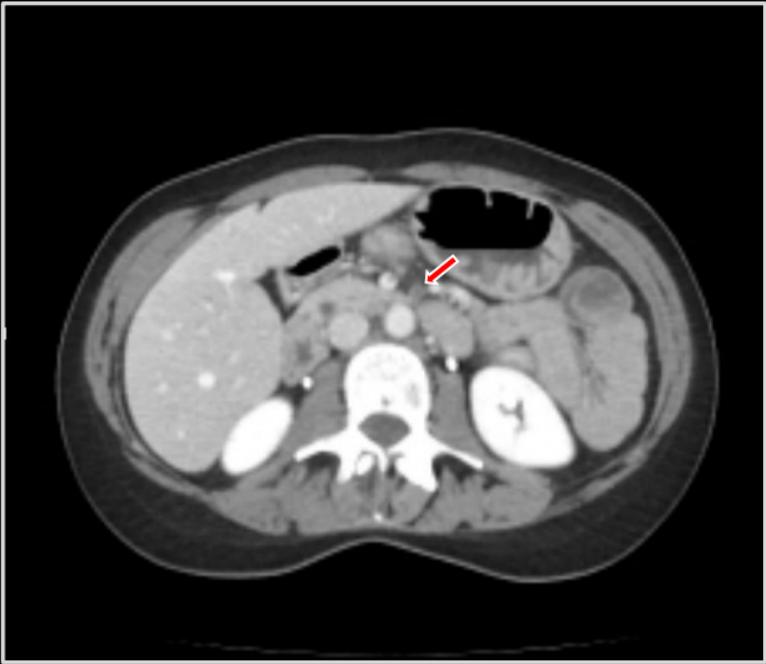


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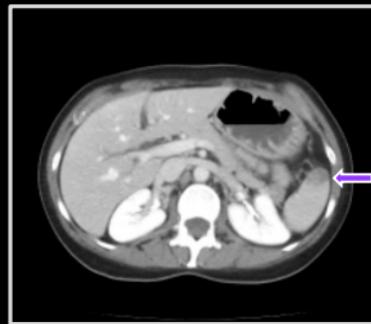
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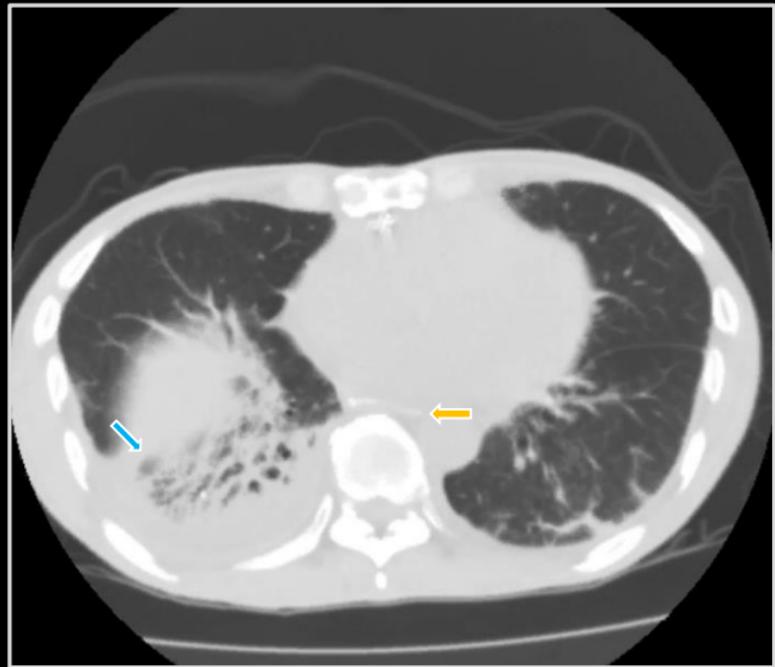
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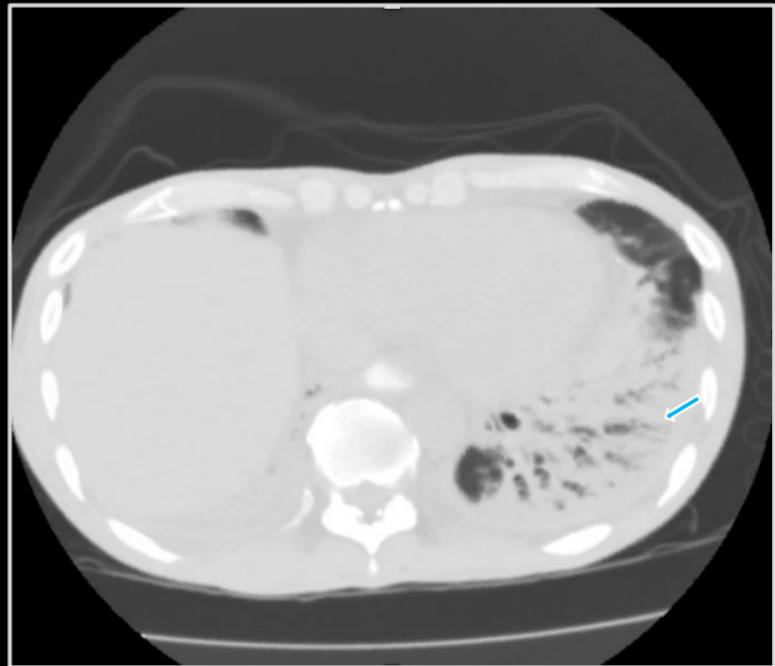
Bibasilar bronchiectasis
Patulous distal esophagus
Small bowel fold proliferation

Scleroderma



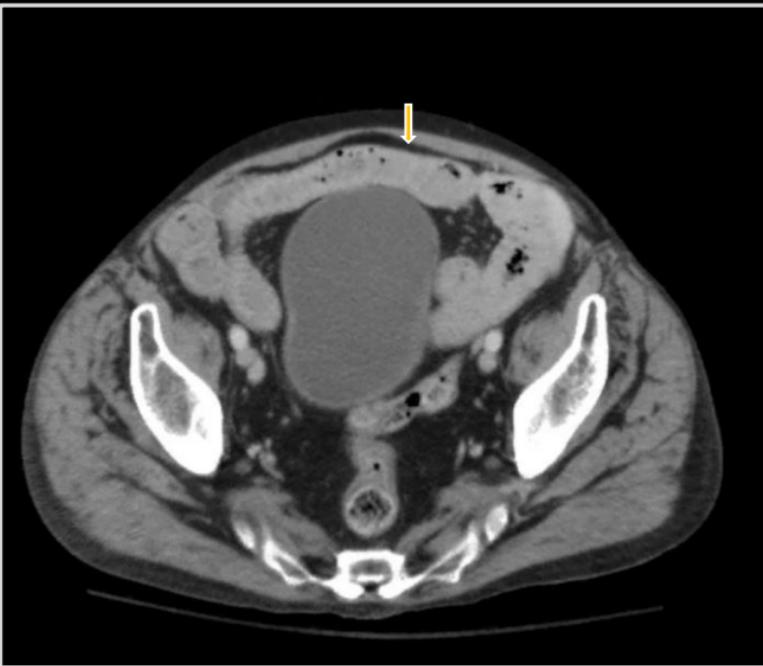
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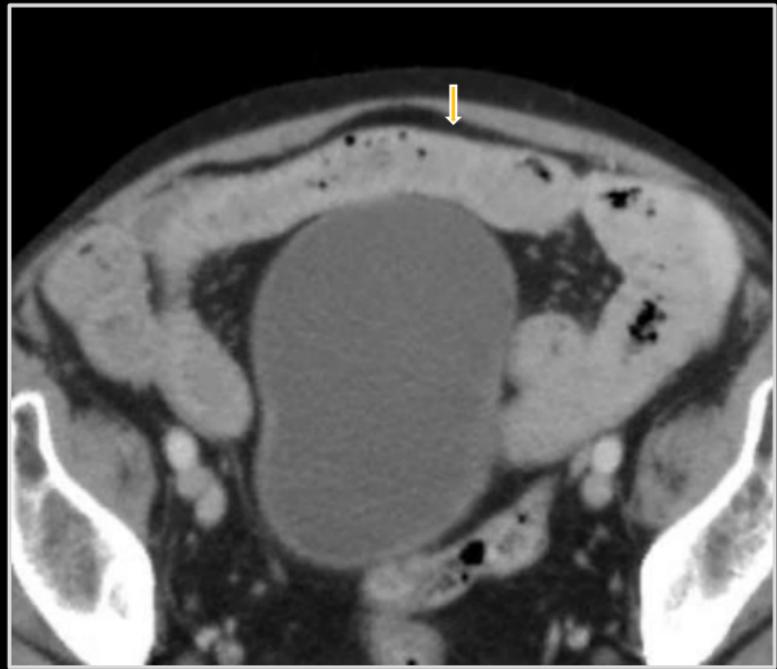
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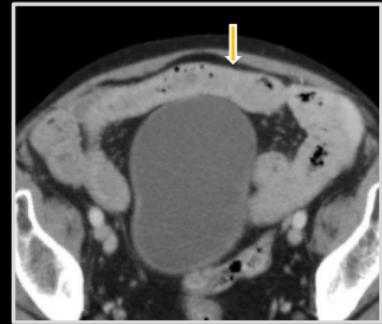
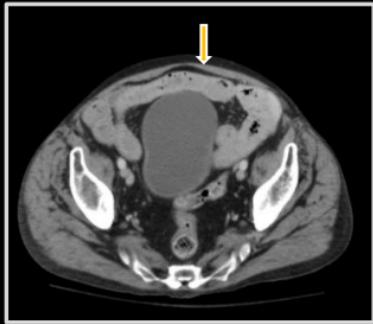
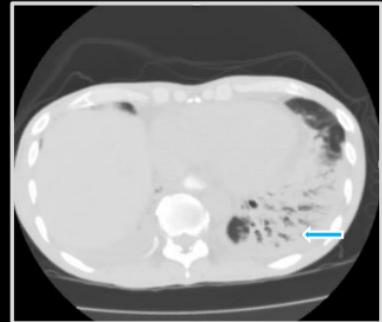
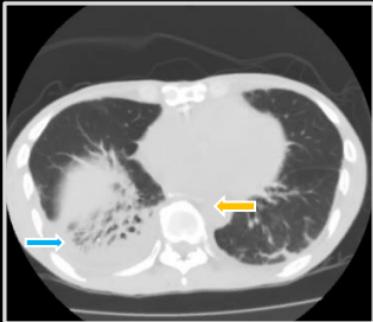
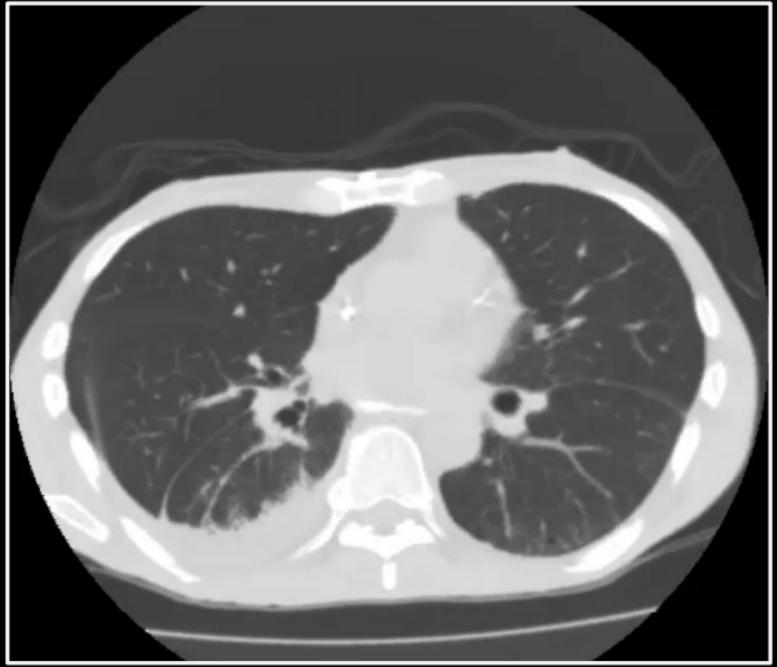
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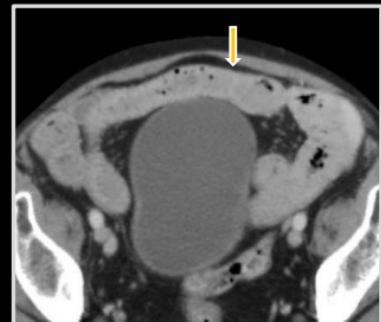
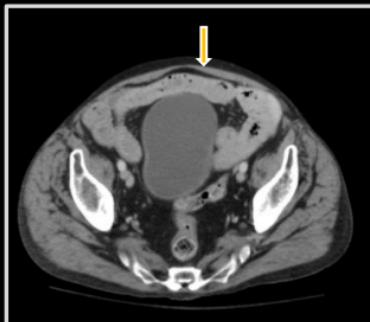
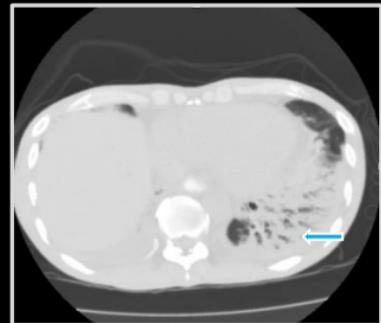
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Bibasilar bronchiectasis
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Mesenteric adenopathy
Small bowel wall thickening
Nascent fistula
Sacroiliitis
Crohn disease

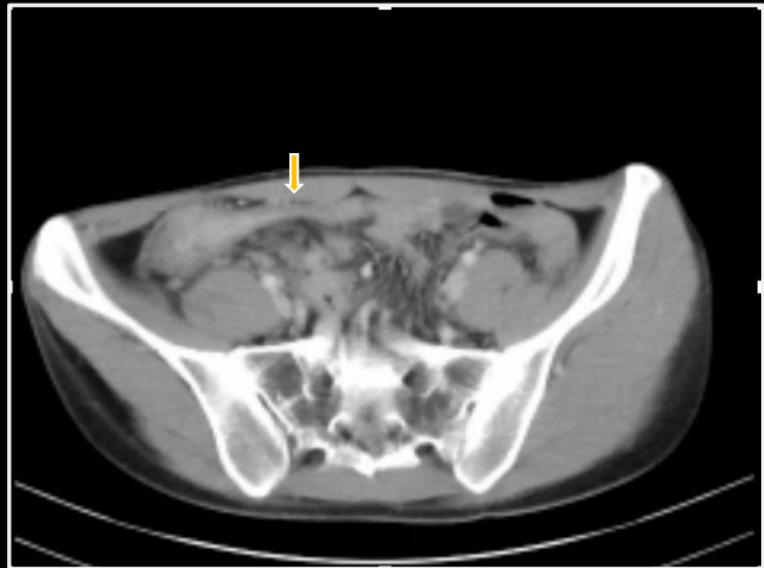


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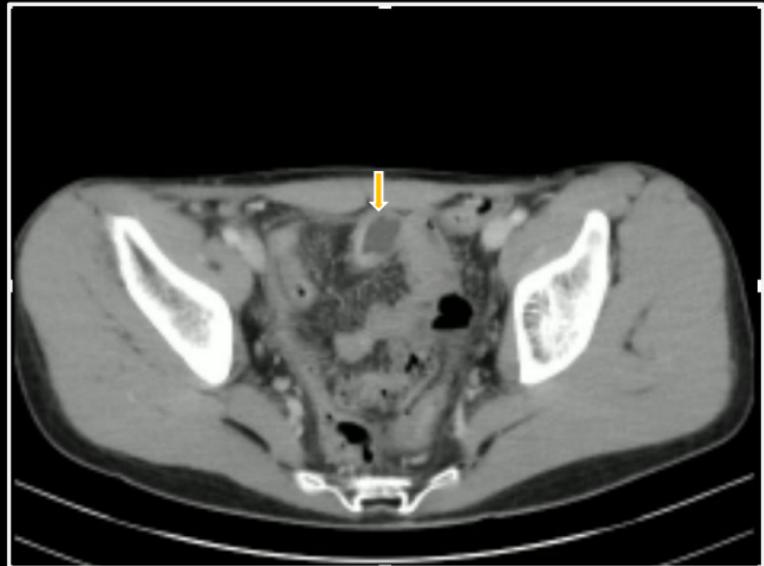


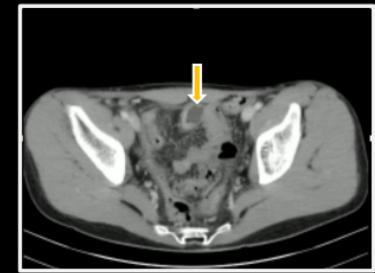
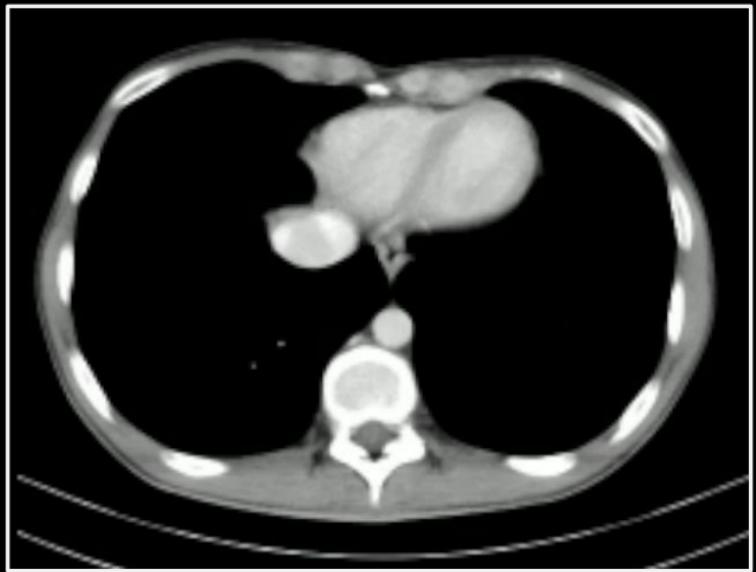
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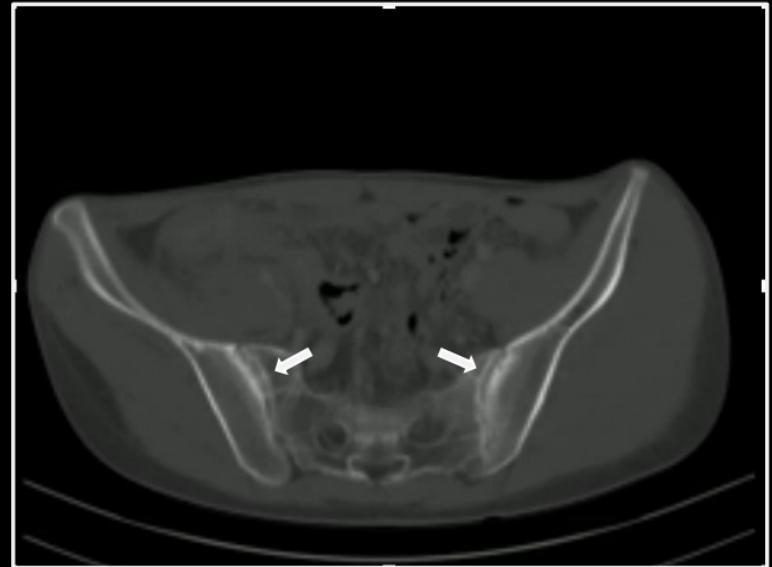


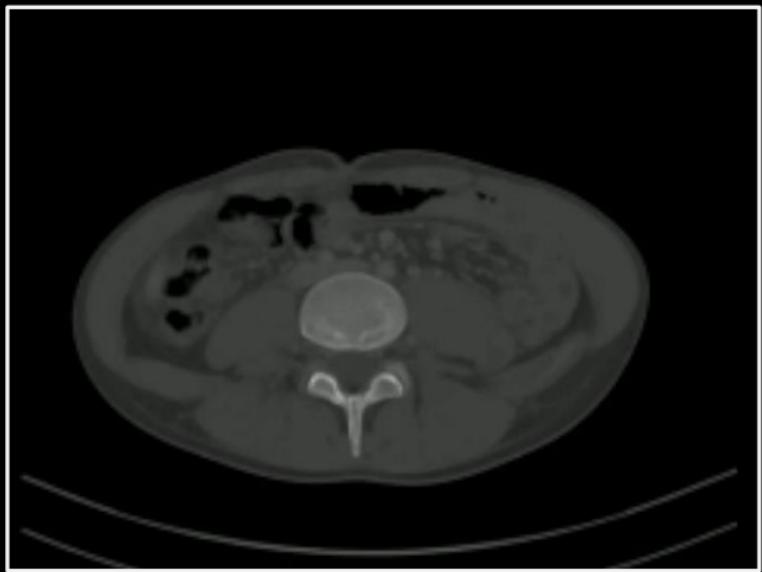
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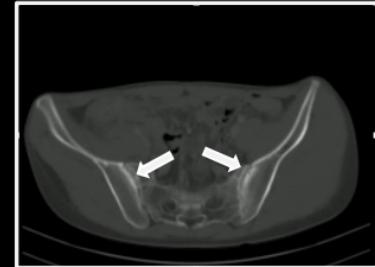
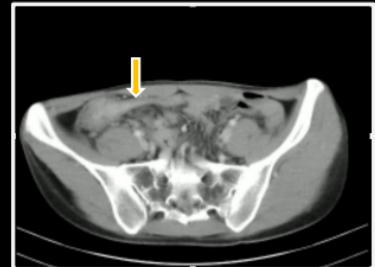
Sacroiliitis

Crohn disease

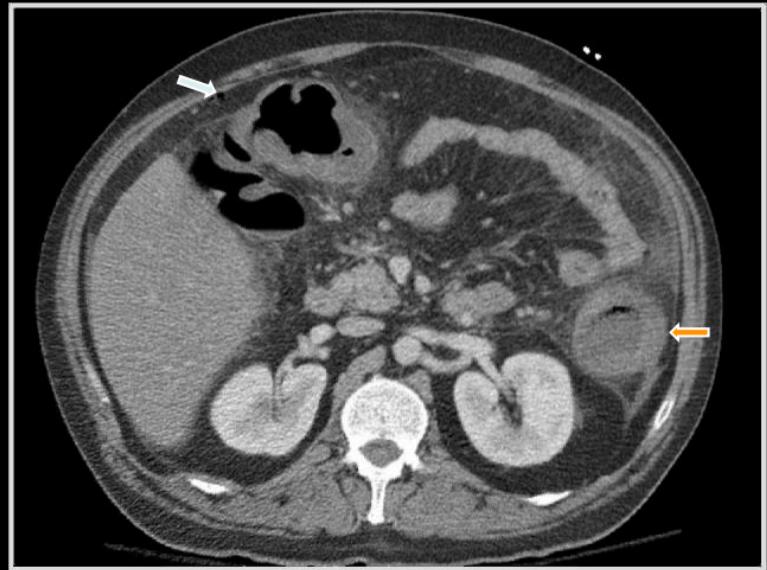




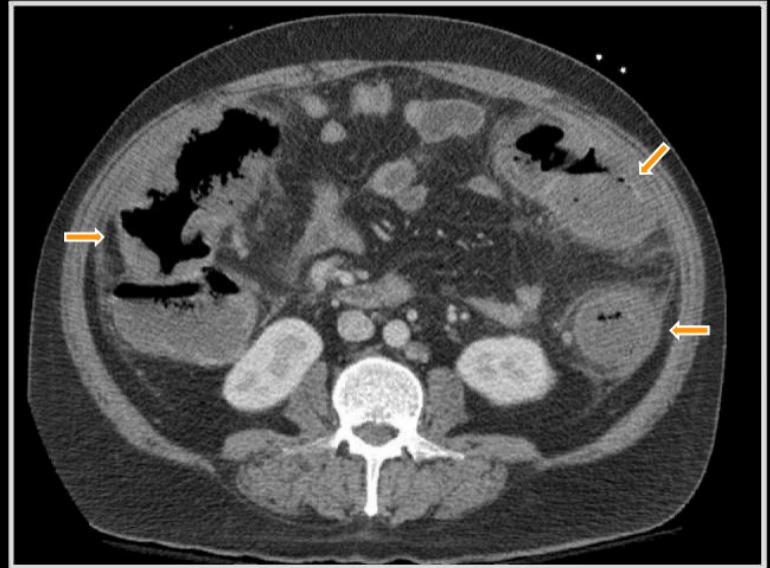
Mesenteric adenopathy
Small bowel wall thickening
Nascent fistula
Sacroiliitis
Crohn disease



Free intraperitoneal gas
Extensive colonic wall thickening
Pseudomembranous colitis



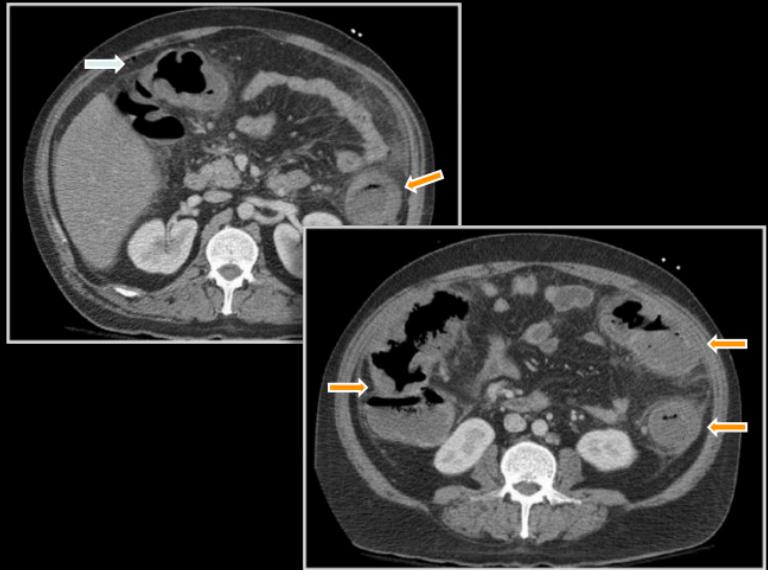
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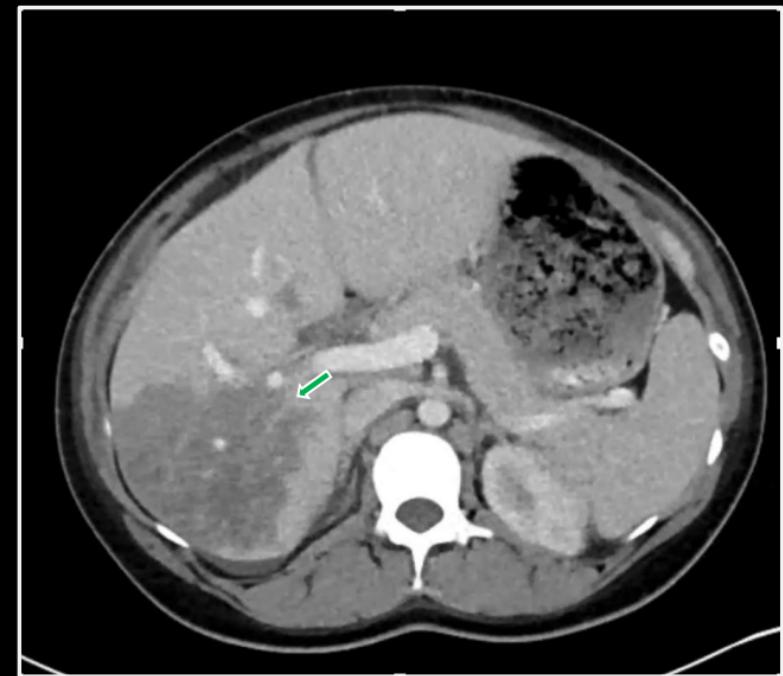
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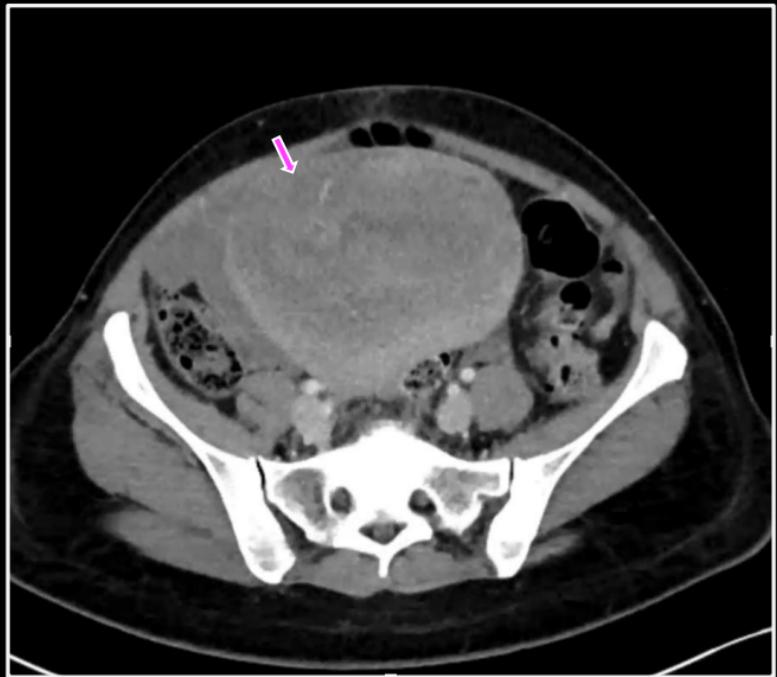
Hepatic hypodensity
Postpartum uterus

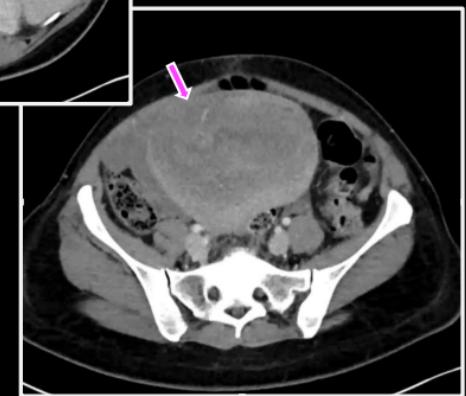
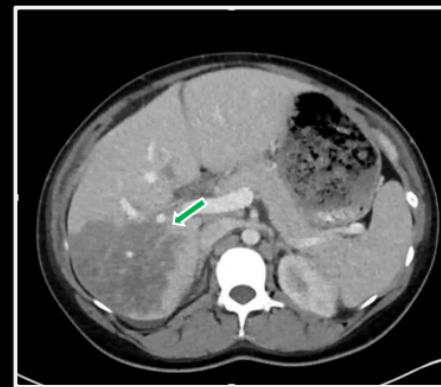
HELLP syndrome



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Postpartum uterus

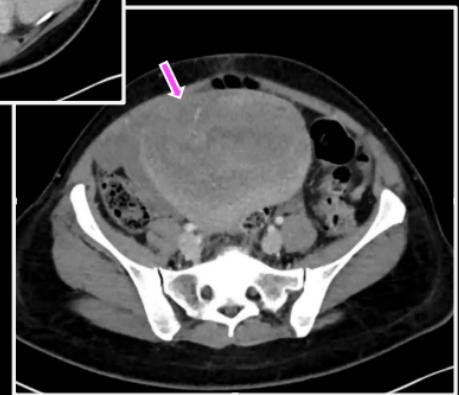
HELLP syndrome





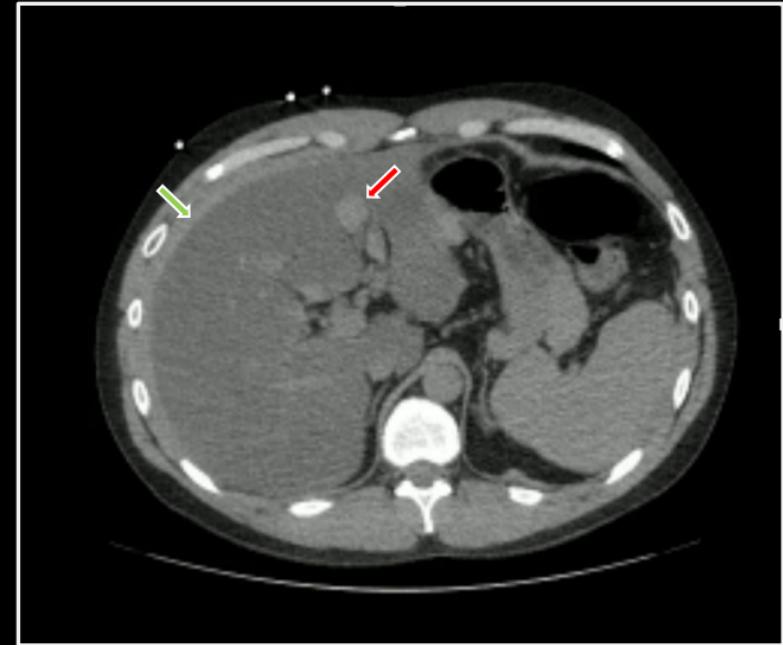
Hepatic hypodensity
Postpartum uterus

HELLP syndrome



Rounded falciform density
Dense perihepatic fluid

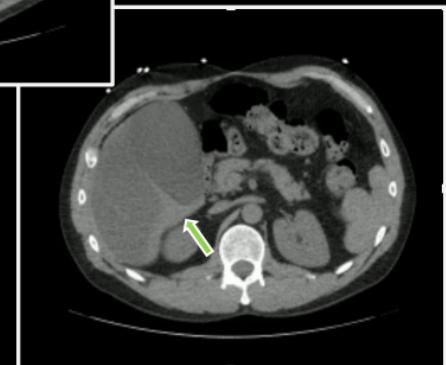
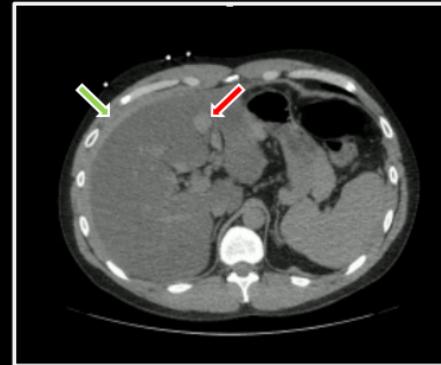
Hepatic artery aneurysm rupture



Rounded falciform density
Dense perihepatic fluid

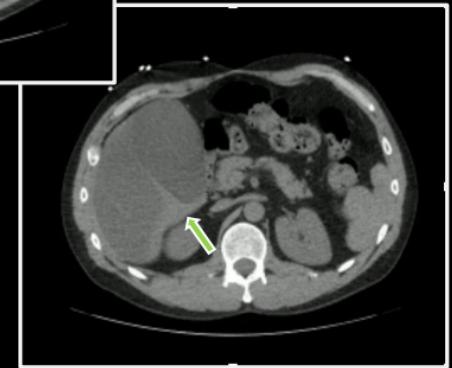
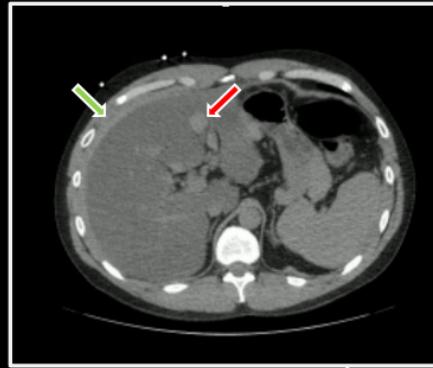
Hepatic artery aneurysm rupture





Rounded falciform density
Dense perihepatic fluid

Hepatic artery aneurysm rupture



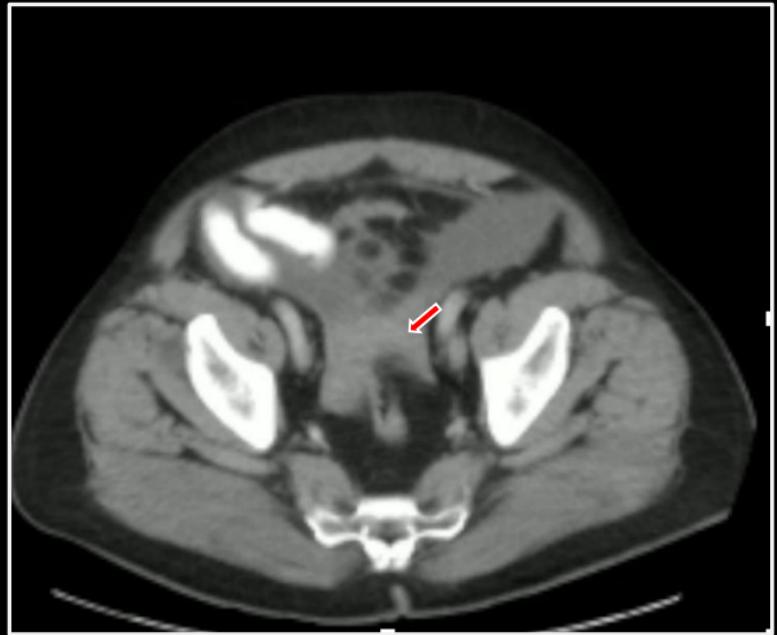
Cholecystectomy
Pelvic density

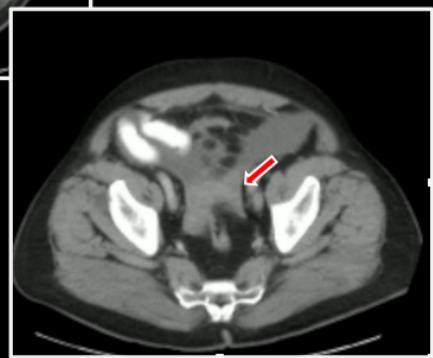
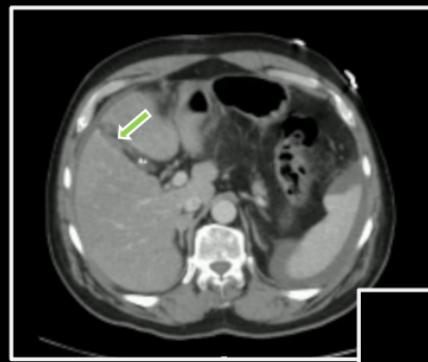
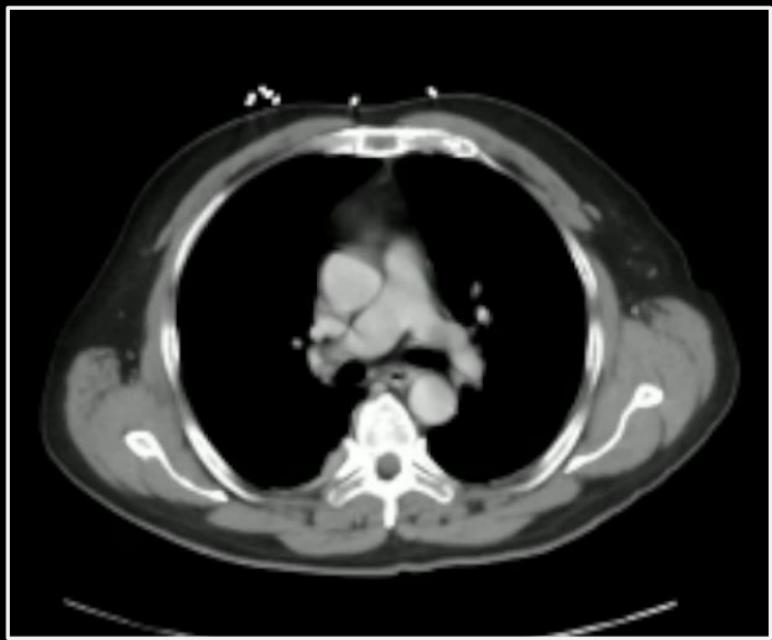
Postoperative hemoperitoneum



Cholecystectomy
Pelvic density

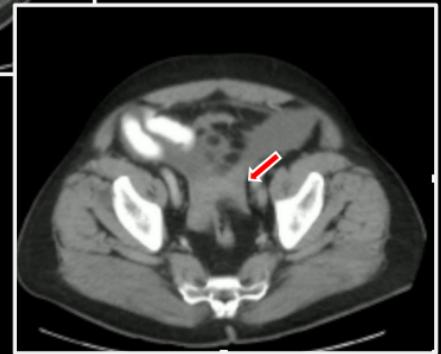
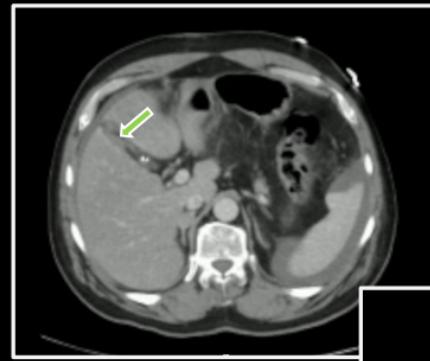
Postoperative hemoperitoneum





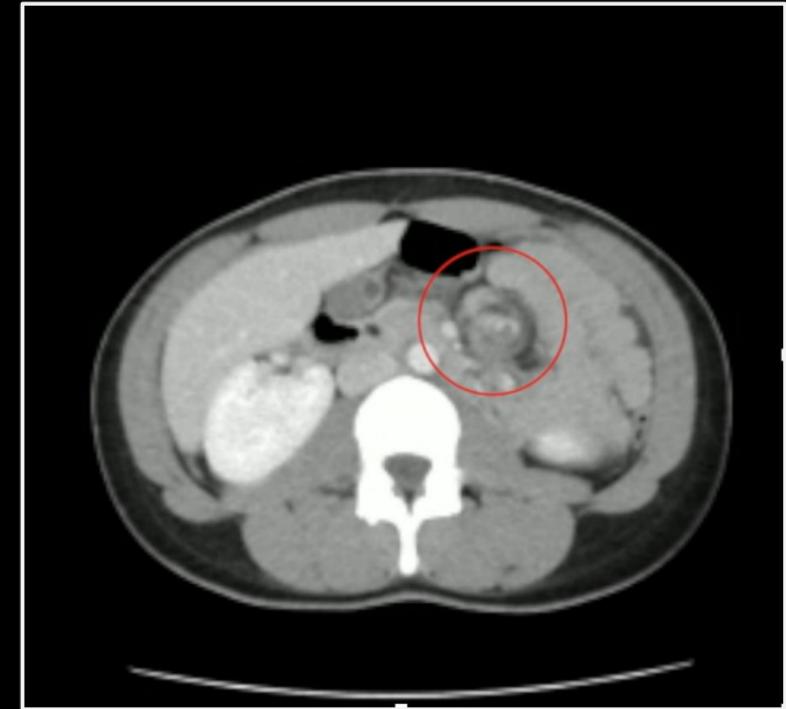
Cholecystectomy
Pelvic density

Postoperative hemoperitoneum



Splenic vessel whirl
Enlarged, displaced, hypodense
spleen

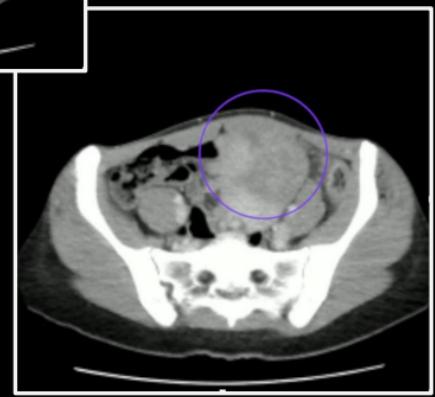
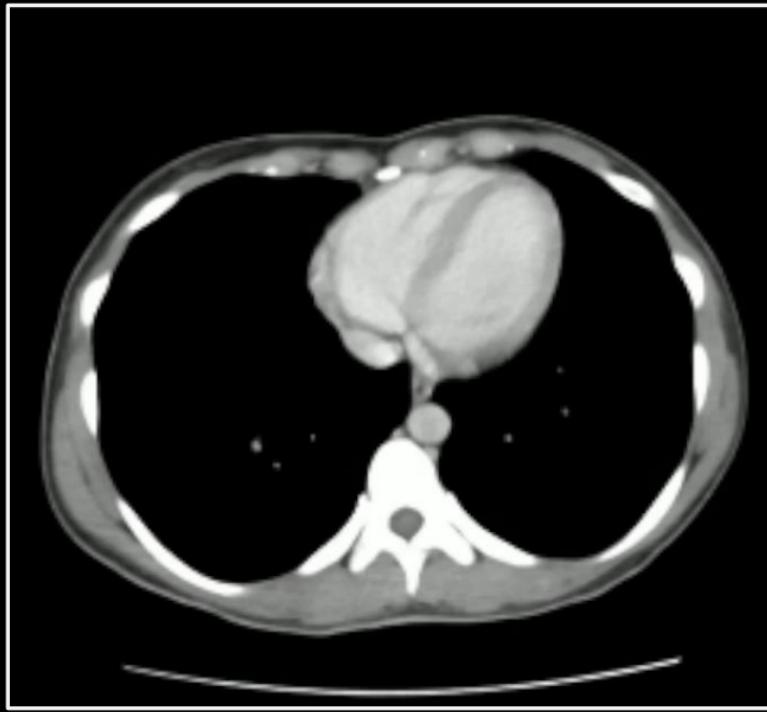
Wandering spleen



Splenic vessel whirl
Enlarged, displaced, hypodense
spleen

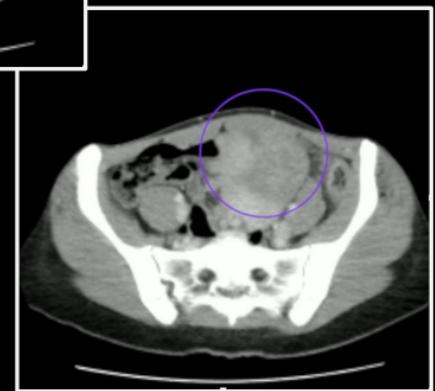
Wandering spleen





Splenic vessel whirl
Enlarged, displaced, hypodense
spleen

Wandering spleen



Right lower lobe consolidation

Flattened IVC

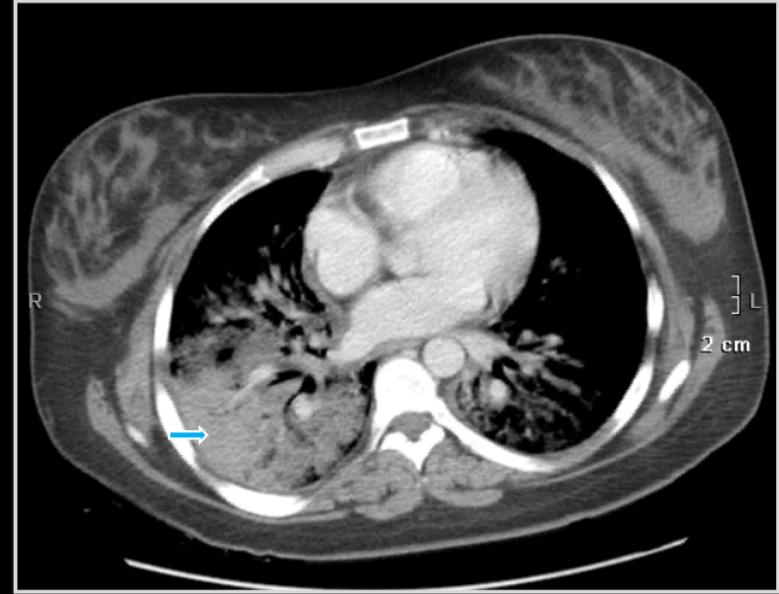
Periportal hepatic edema

Splenectomy

Hypodense renal parenchyma

Periadrenal fluid

Meningococcal sepsis



Right lower lobe consolidation

Flattened IVC

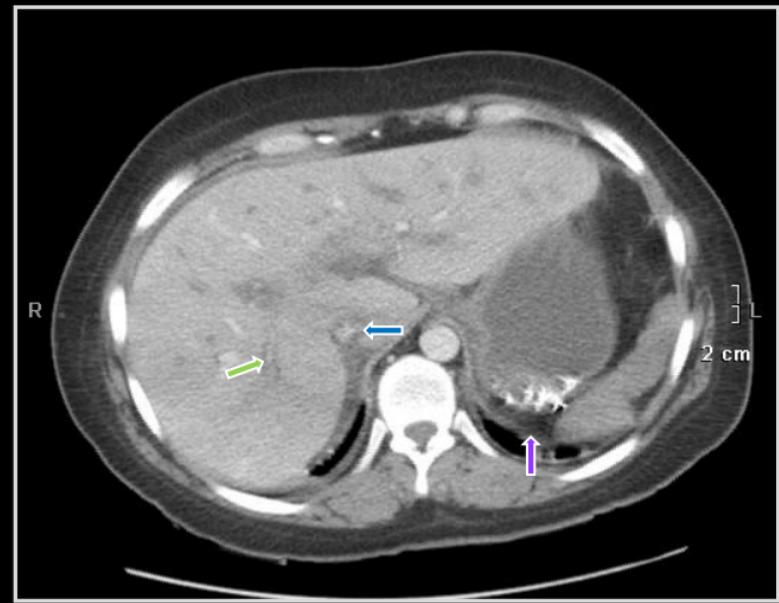
Periportal hepatic edema

Splenectomy

Hypodense renal parenchyma

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Meningococcal sepsis



Right lower lobe consolidation

Flattened IVC

Periportal hepatic edema

Splenectomy

Hypodense renal parenchyma

Periadrenal fluid

Meningococcal sepsis



Right lower lobe consolidation

Flattened IVC

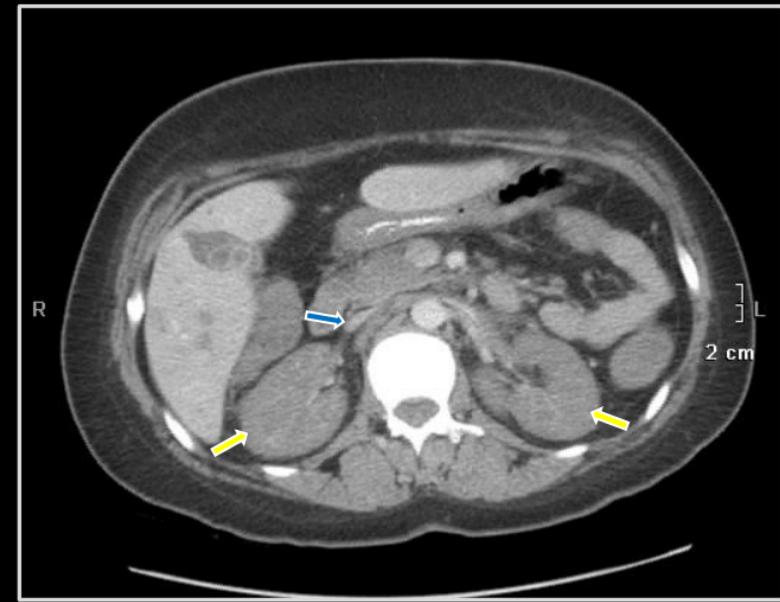
Periportal hepatic edema

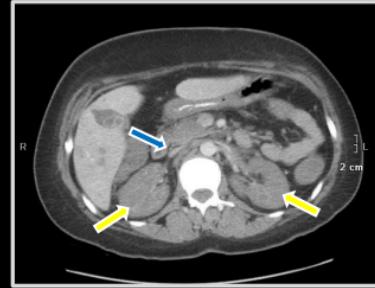
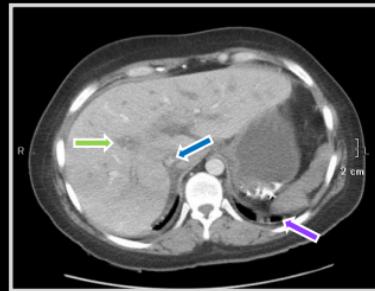
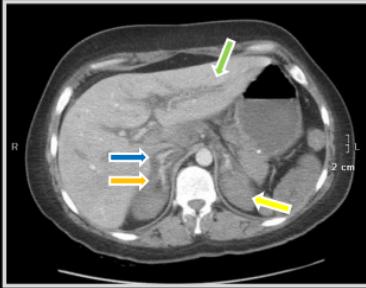
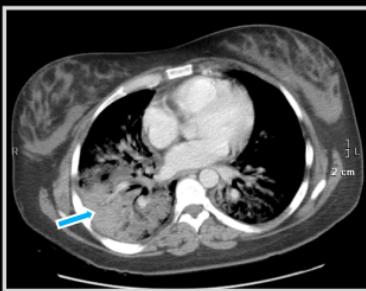
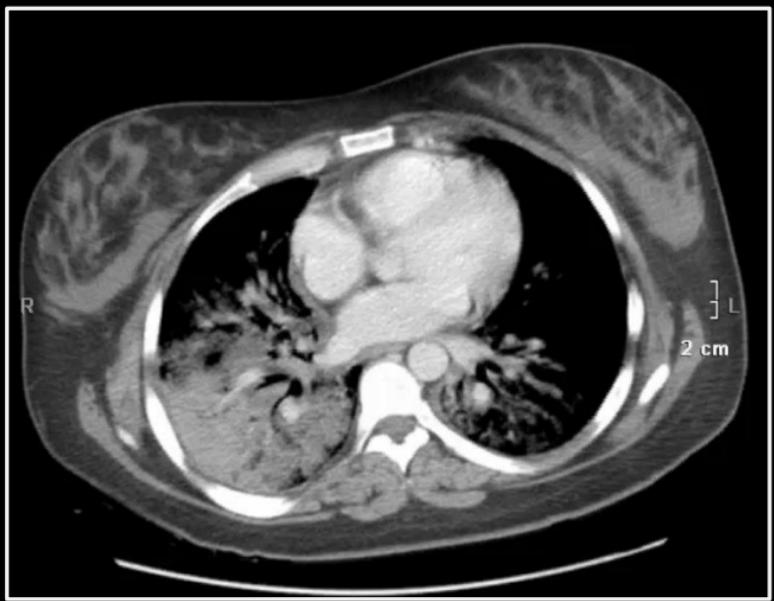
Splenectomy

Hypodense renal parenchyma

Periadrenal fluid

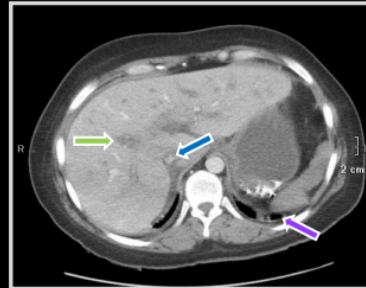
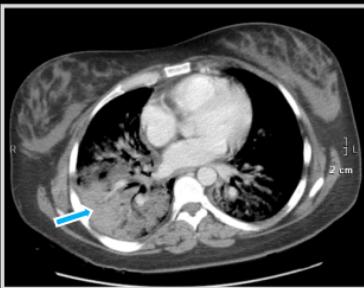
Meningococcal sepsis





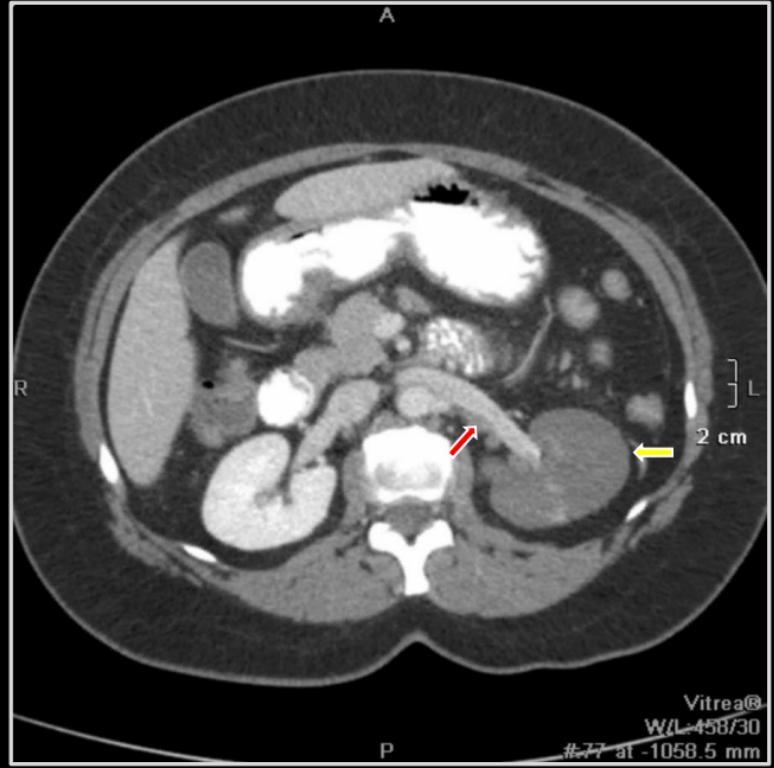
Right lower lobe consolidation
Flattened IVC
Periportal hepatic edema
Splenectomy
Hypodense renal parenchyma
Periadrenal fluid

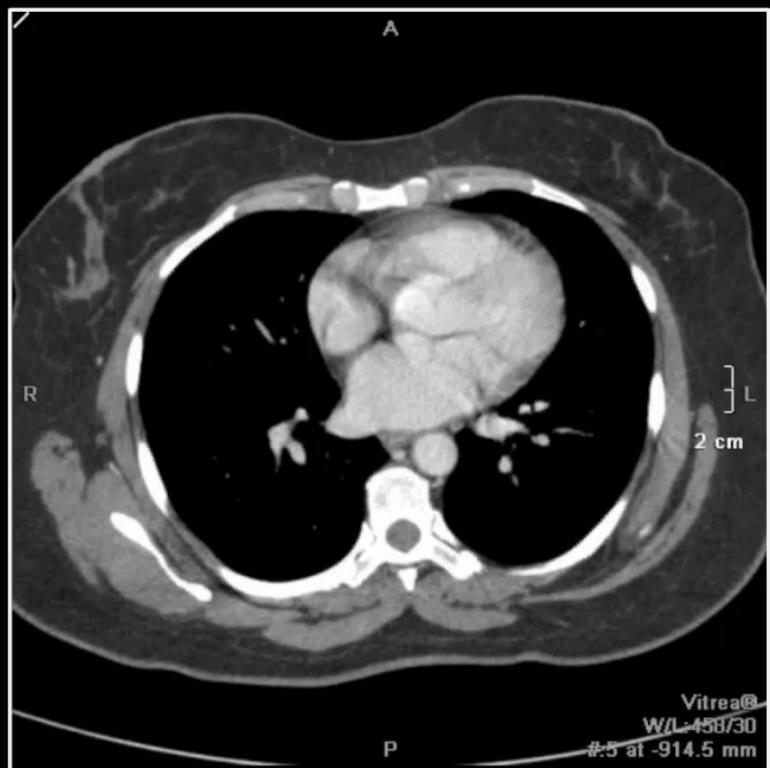
Meningococcal sepsis



Absent nephrogram
Renal artery filling defect

Renal arterial dissection
(FMD)





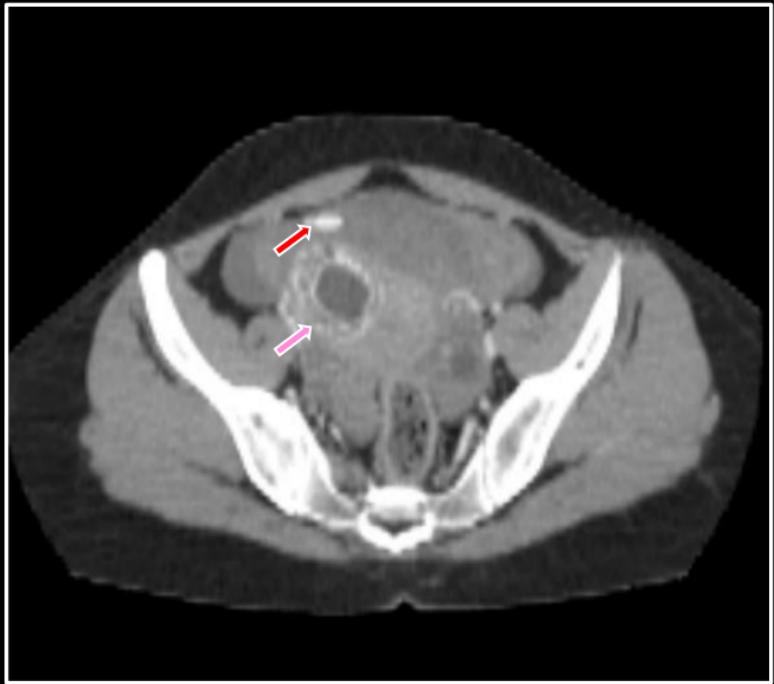
Absent nephrogram
Renal artery filling defect

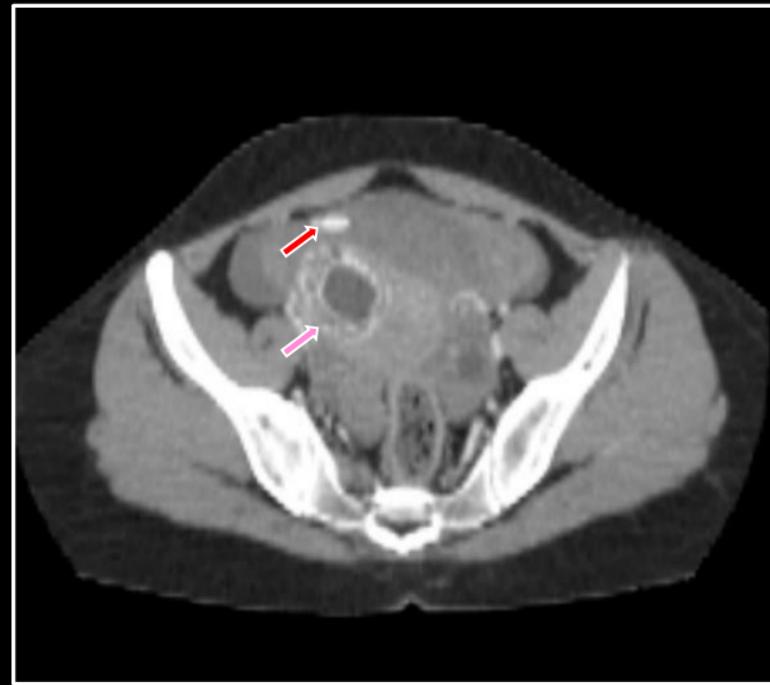
Renal arterial dissection
(FMD)



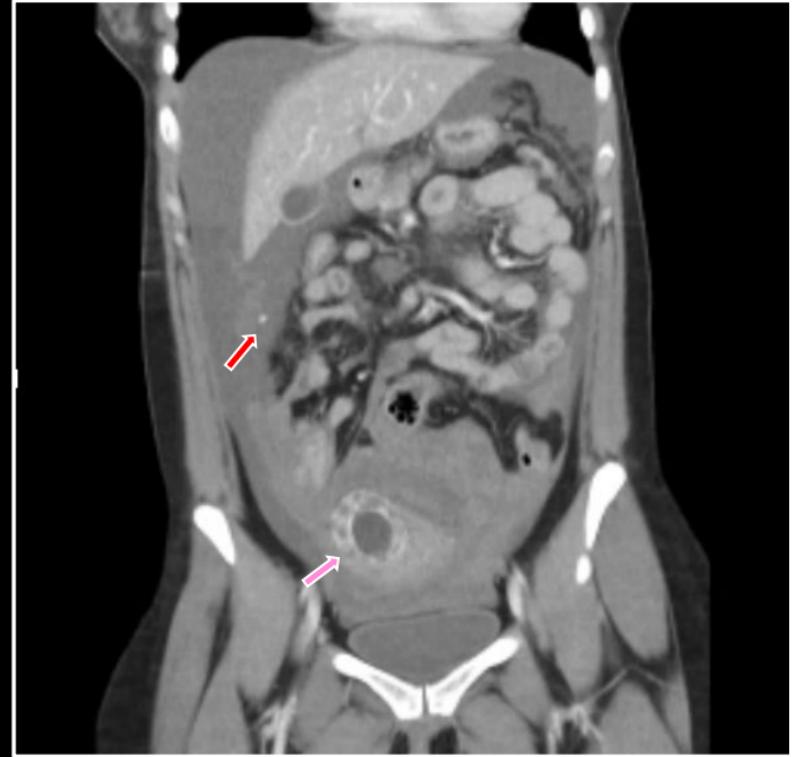
Cornual fluid density
Intraperitoneal extravasation

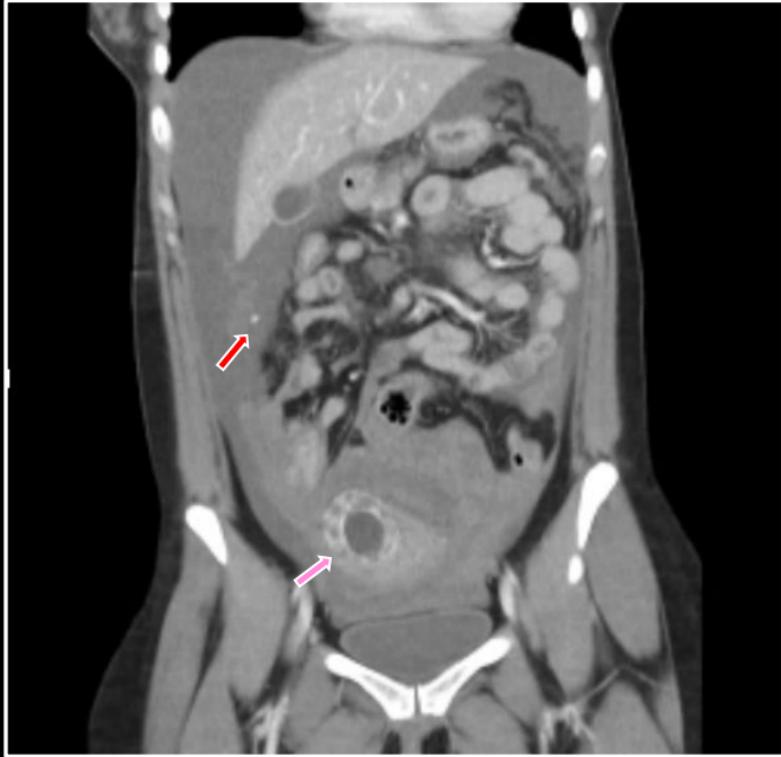
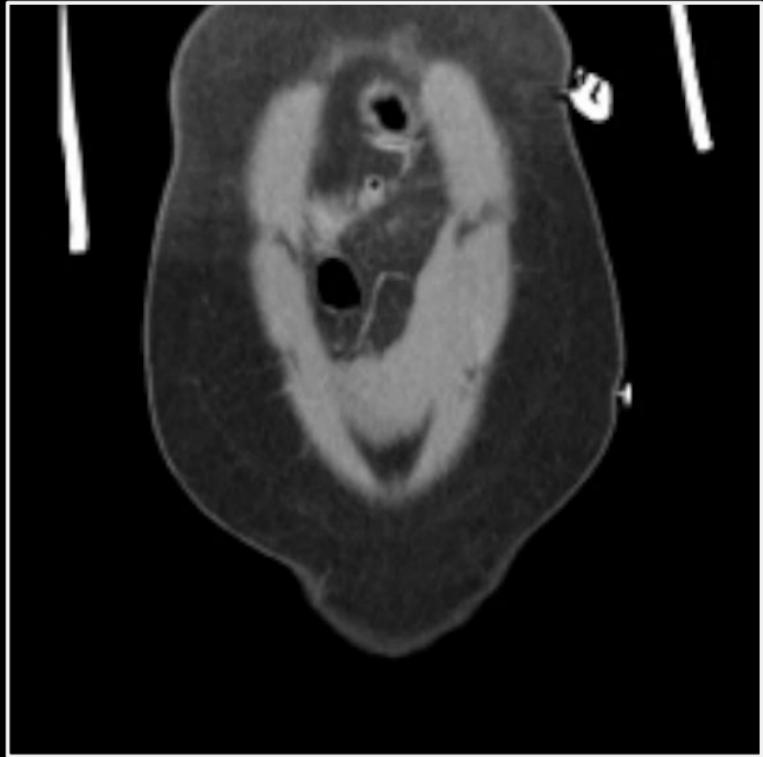
Cornual ectopic pregnancy





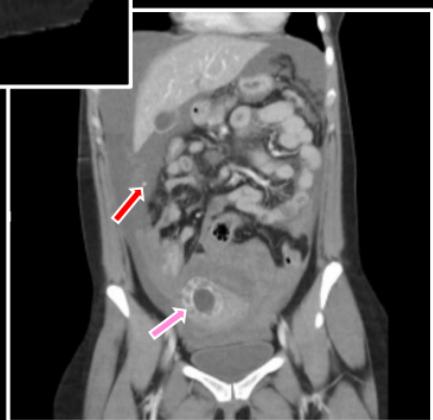
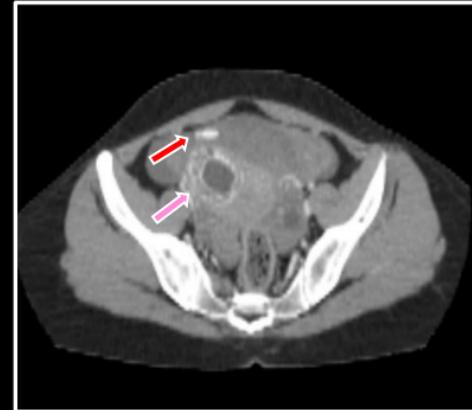
Cornual fluid density
Intraperitoneal extravasation
Cornual ectopic pregnancy





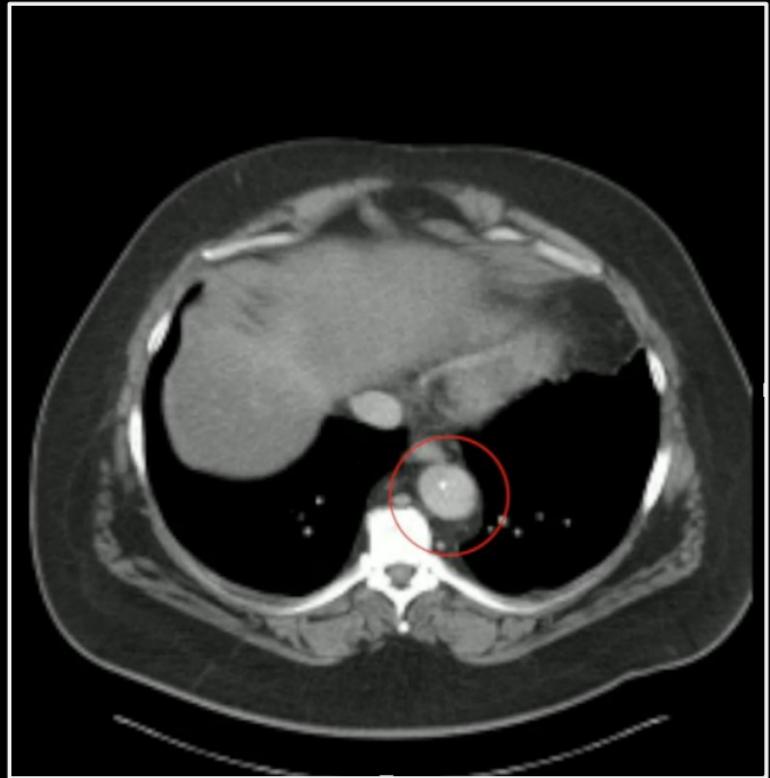
Cornual fluid density
Intraperitoneal extravasation

Cornual ectopic pregnancy



Linear filling defect with
calcification

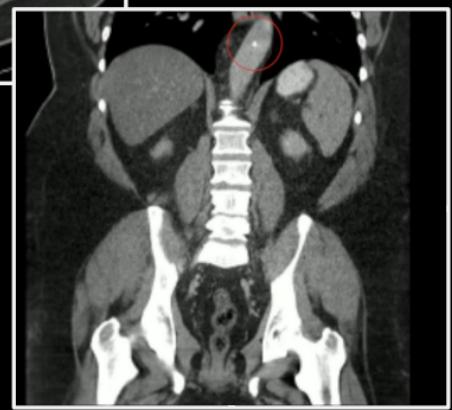
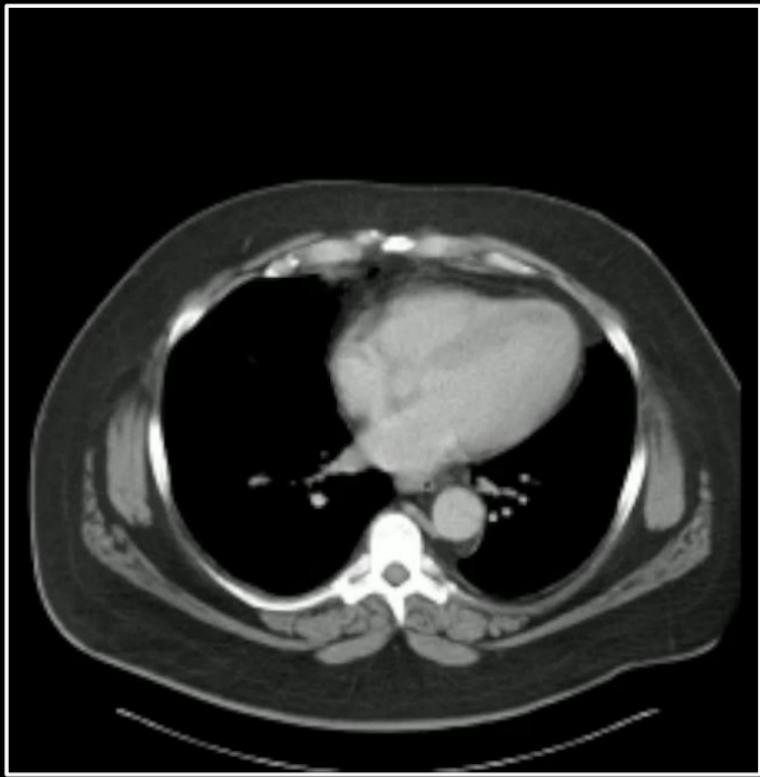
Aortic dissection

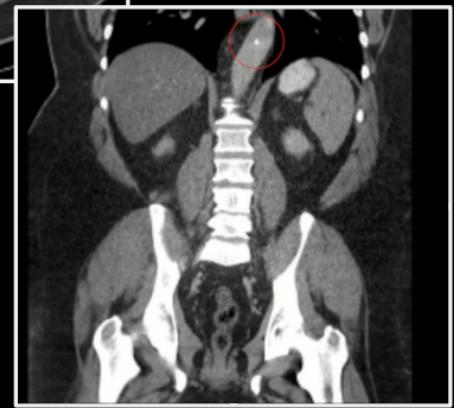
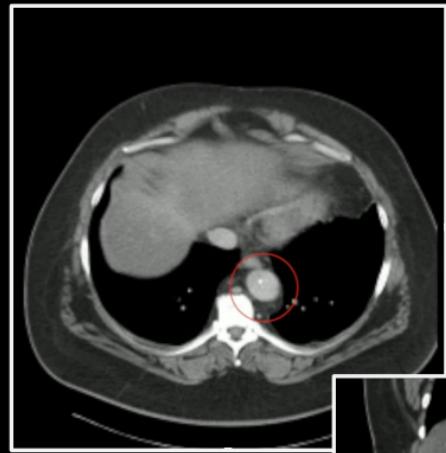
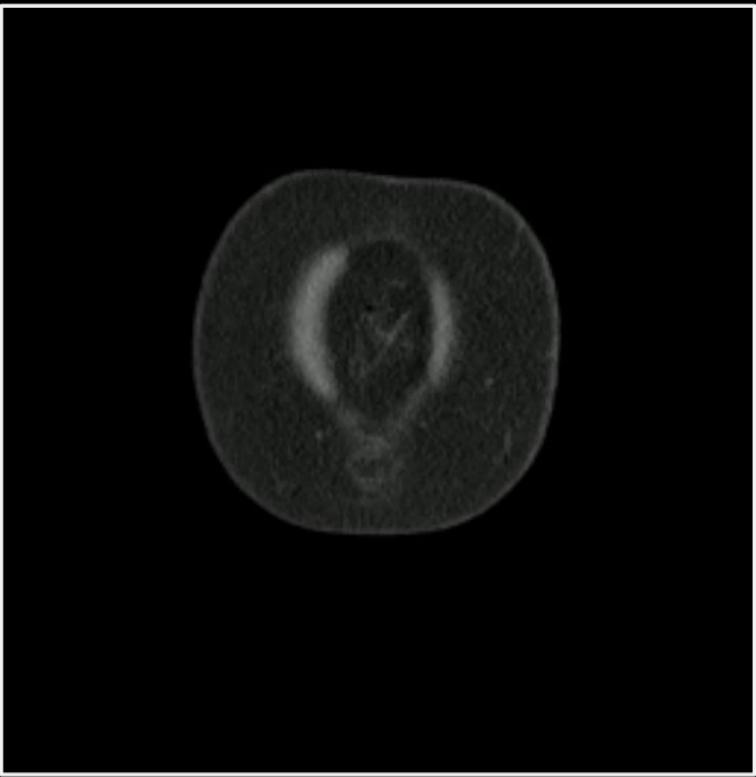


Linear filling defect with
calcification

Aortic dissection

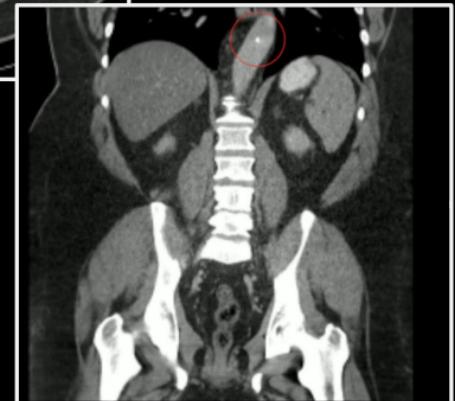






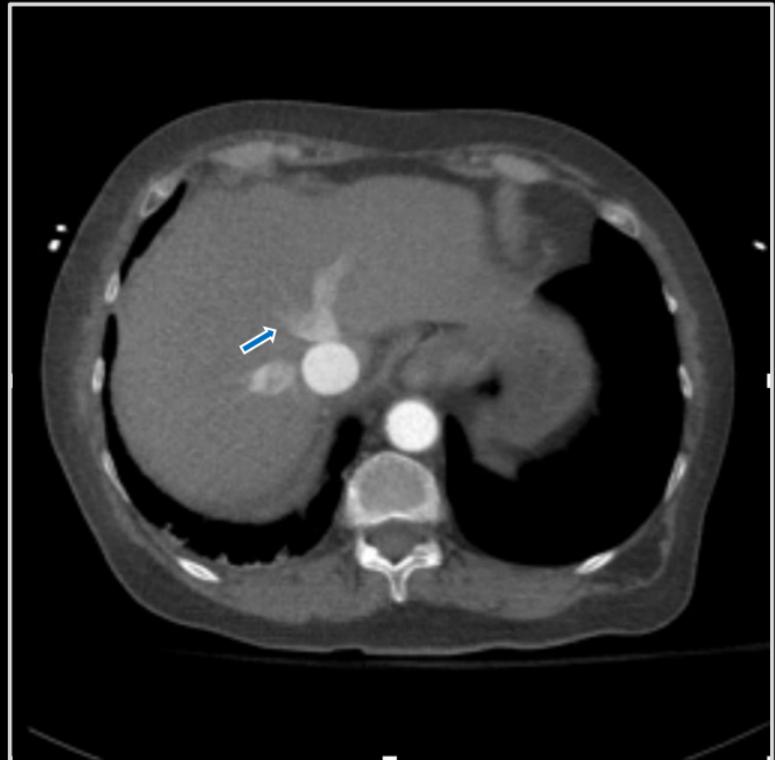
Linear filling defect with
calcification

Aortic dissection



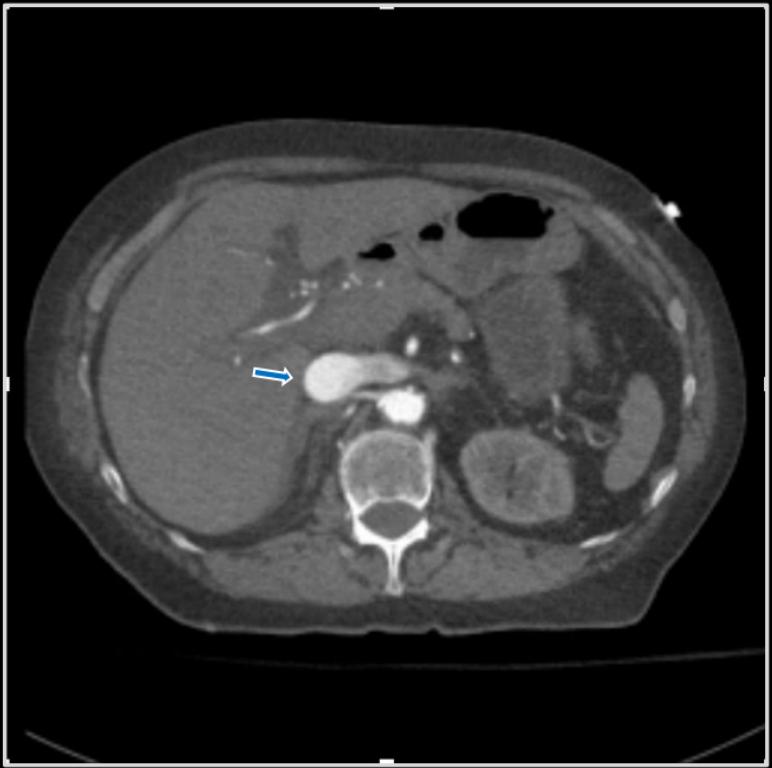
Retrograde venous flow
Abdominal aortic aneurysm
Aortic-IVC communication

Aortic aneurysm/IVC fistula



Retrograde venous flow
Abdominal aortic aneurysm
Aortic-IVC communication

Aortic aneurysm/IVC fistula



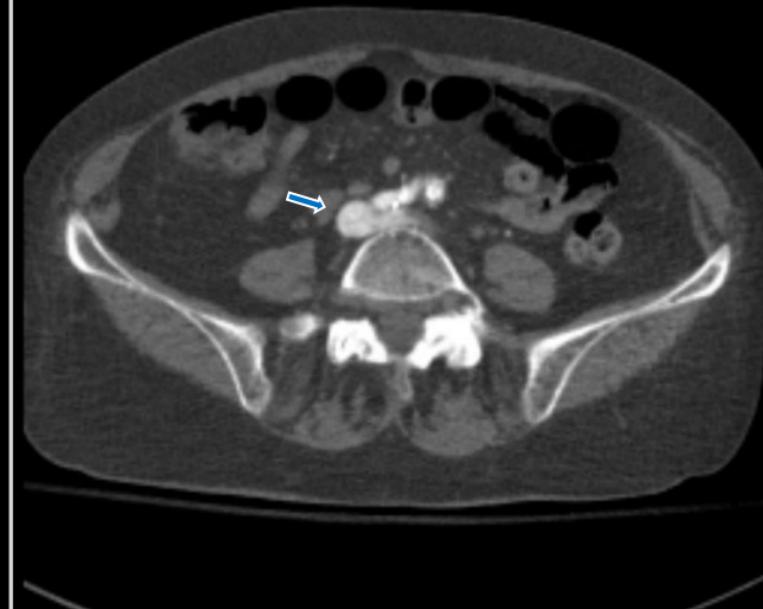
Retrograde venous flow
Abdominal aortic aneurysm
Aortic-IVC communication

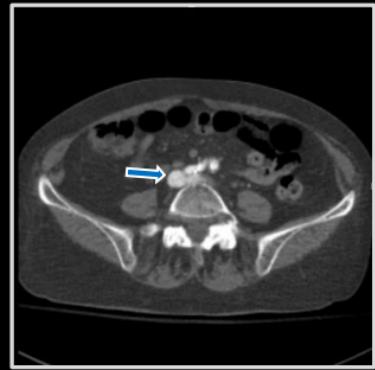
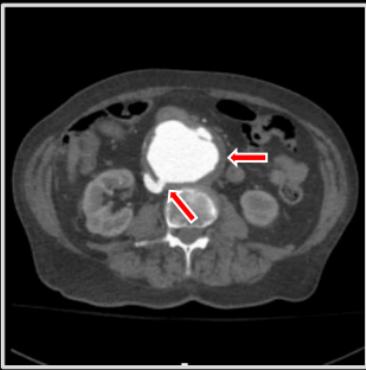
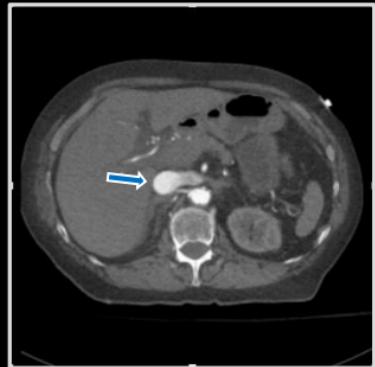
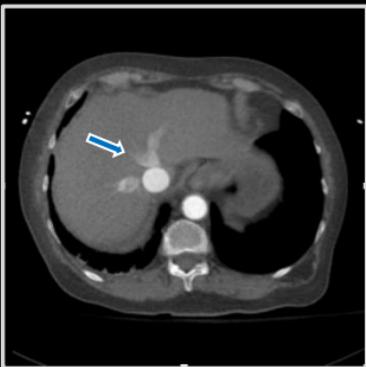
Aortic aneurysm/IVC fistula



Retrograde venous flow
Abdominal aortic aneurysm
Aortic-IVC communication

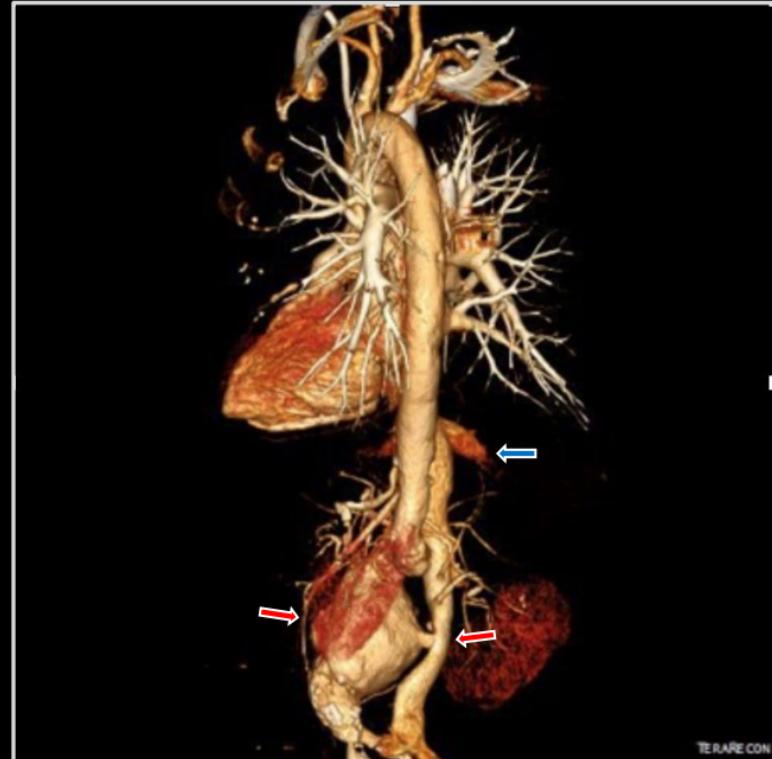
Aortic aneurysm/IVC fistula





Retrograde venous flow
Abdominal aortic aneurysm
Aortic-IVC communication

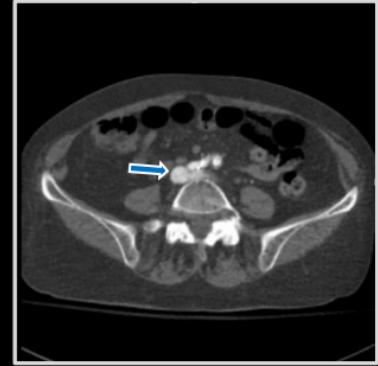
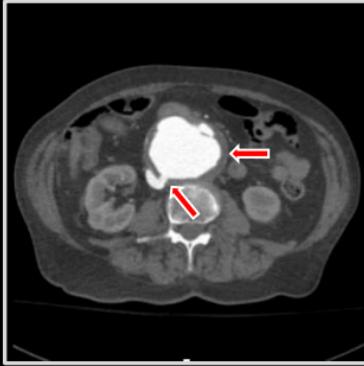
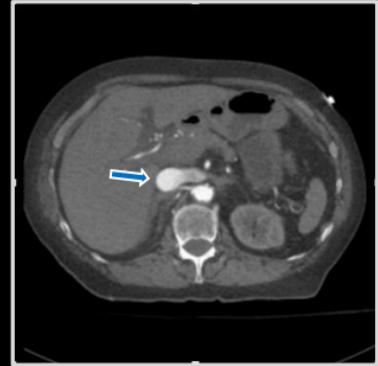
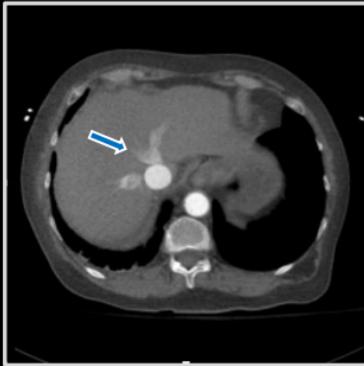
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Thoracoabdominal CT Imaging

Benjamin W. Strong, MD