

***"Vaisseaux et vascularisation hépatiques"  
du simple au complexe***

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UCL

# Analyse hépatique

- \* **Morphologie du foie:**

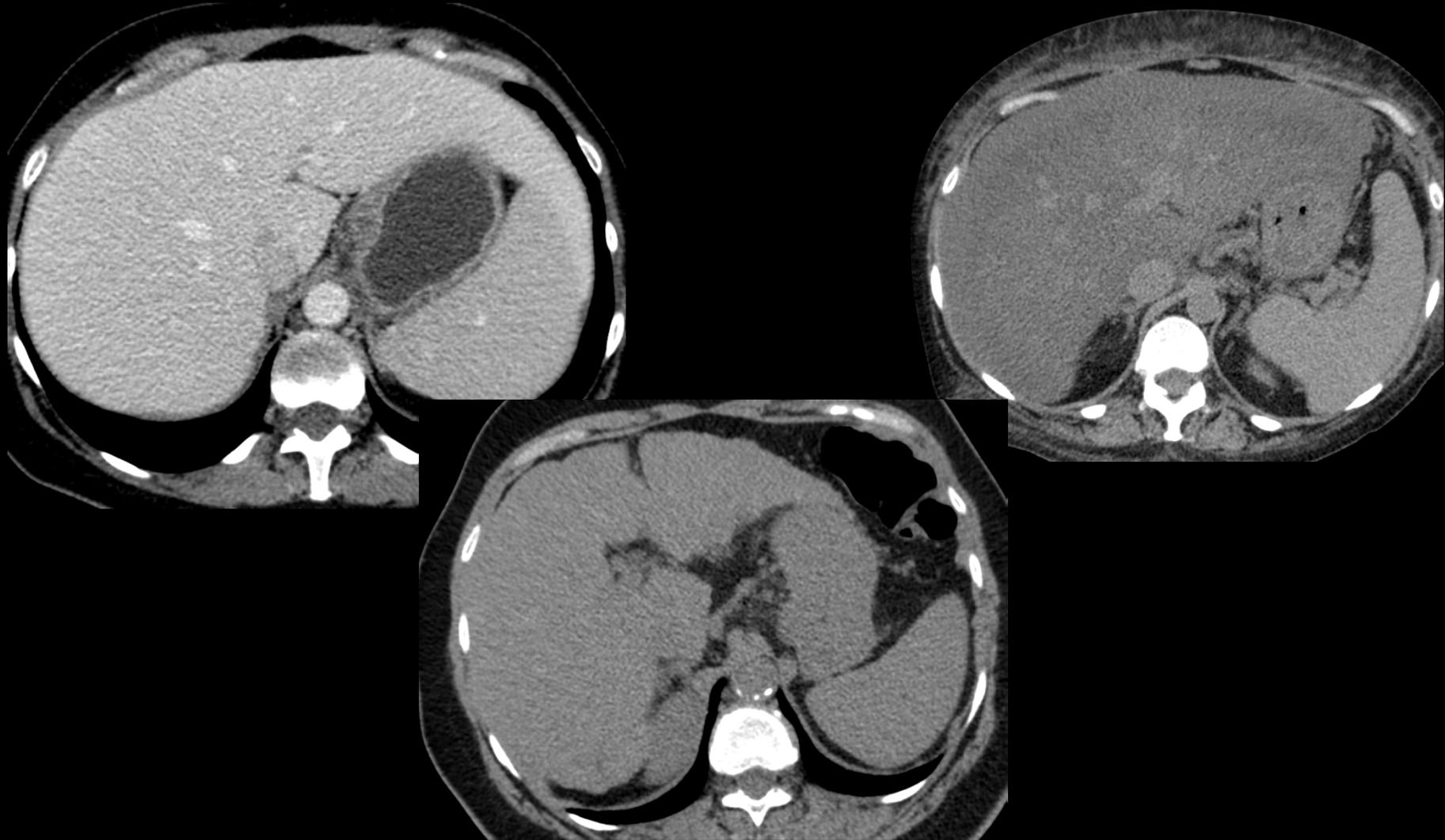
- **forme, taille et contours**
- **parenchyme**

- \* **Voie biliaire**

- \* **Vaisseaux**

# Métastases hépatiques

Bilan initial



Morphologie du foie et aspect du parenchyme hépatique



Artère hépatique



25% -30%

1/3

400 ml/min

# Parenchyme hépatique

Balance artério-porte



70-75%

2/3

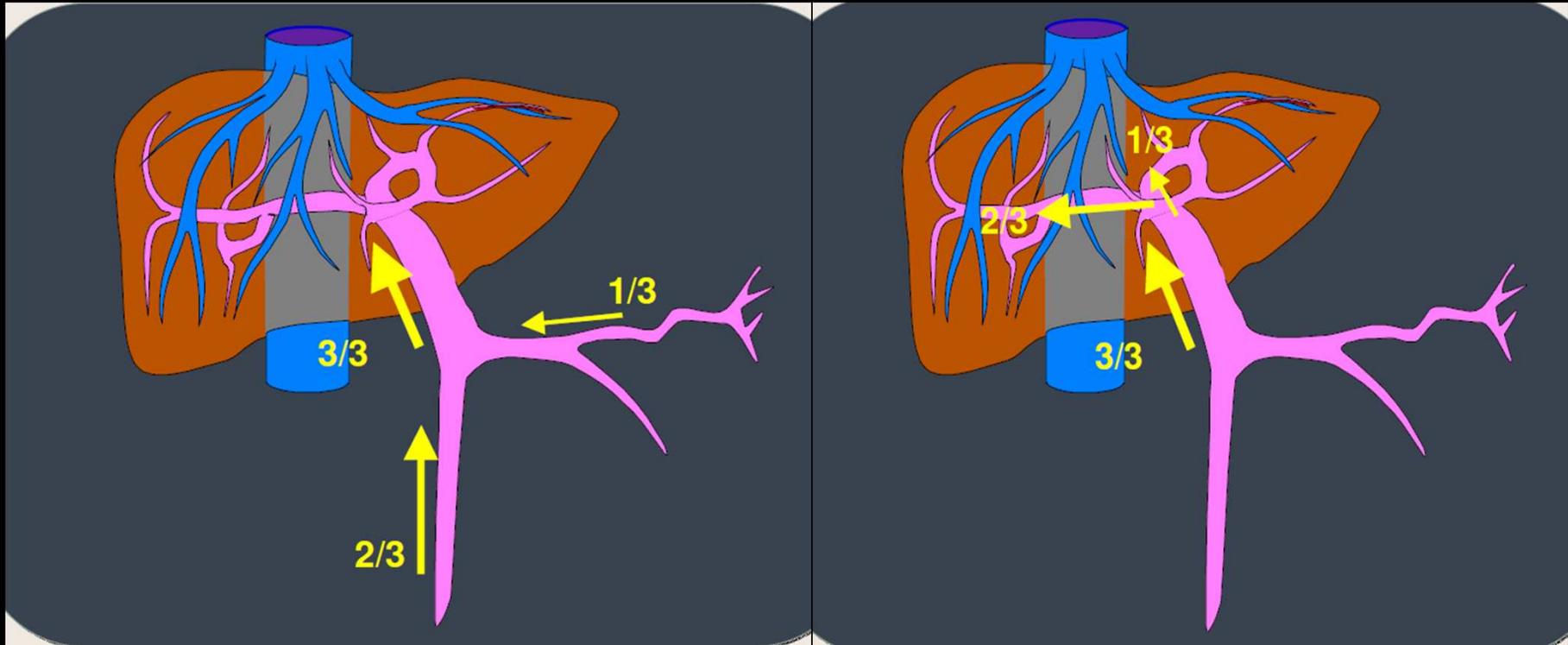
800 ml/min

Veine porte

La règle des 3

1200 ml/min

# Apport porte - la règle des 3



Altération du flux portal



Compensation artérielle



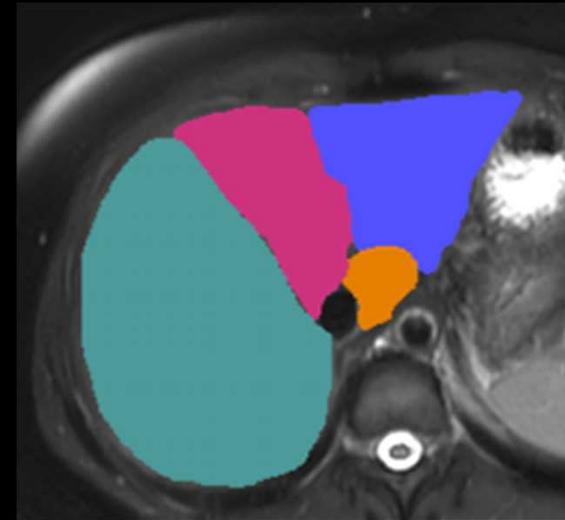
11.2015



04.2016

# Résection hépatique

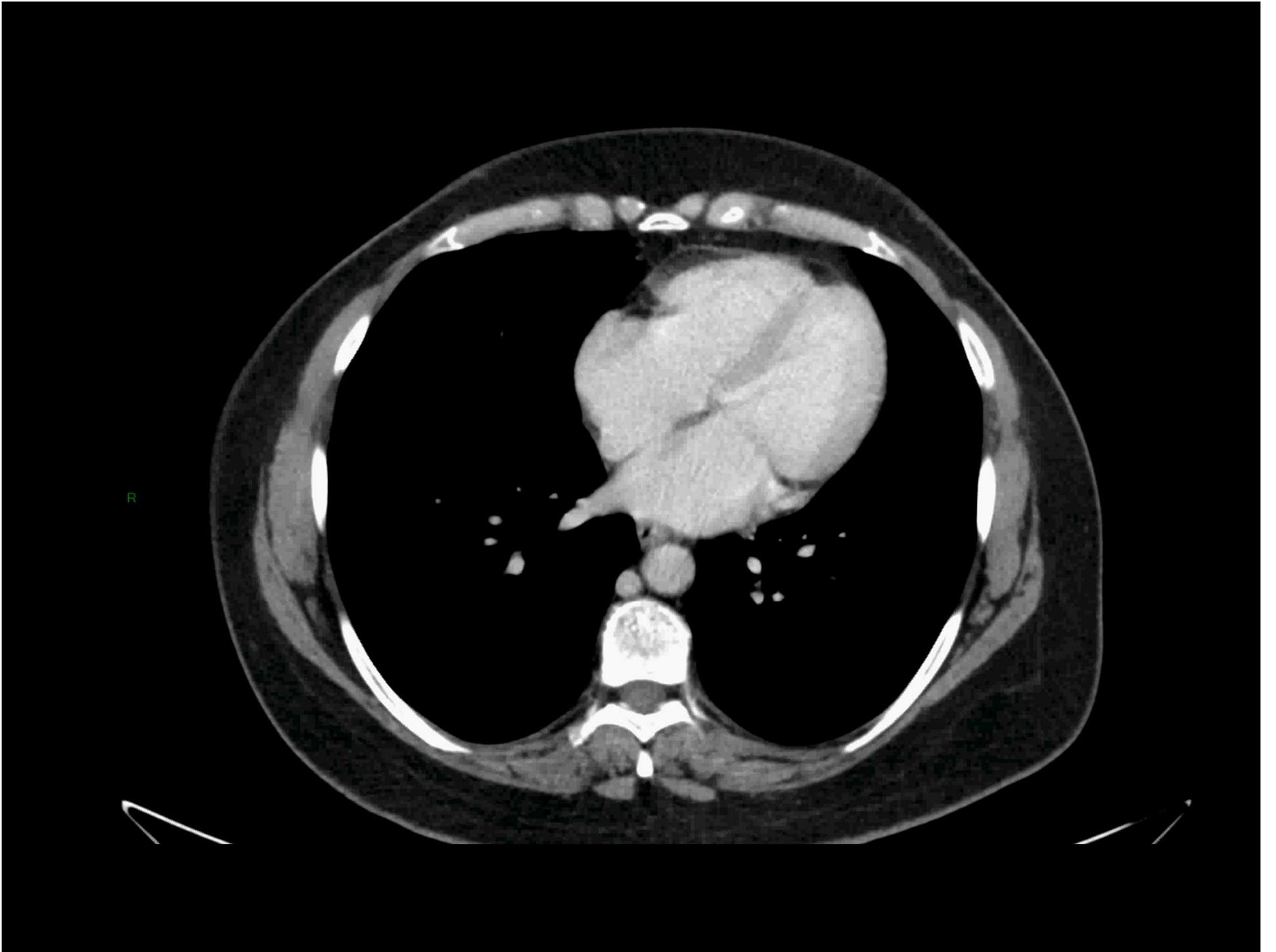
- \*Hépatectomie droite – résection S5-S8
- \*Hépatectomie droite élargi – résection –S5-S8+S4
- \*Hépatectomie gauche – résection S2-3+ S4
- \*Lobectomie gauche – résection S2-S3
- \*Hépatectomie atypique
- \*Wedge résection - tumorectomie



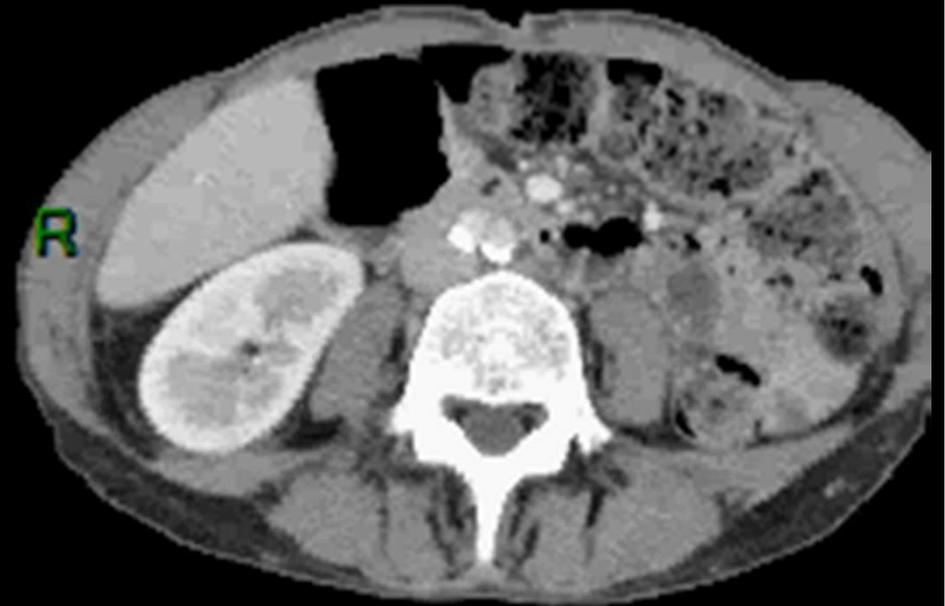
| Region   | Volume (ml) | Mean Value   |
|----------|-------------|--------------|
| S2-S3    | 205.34      | 135.9 ± 31.6 |
| S1       | 20.34       | 111.6 ± 18.3 |
| S4       | 265.24      | 125.0 ± 30.5 |
| S5-6-7-8 | 845.70      | 120.8 ± 27.1 |
| Total    | 1336.62     |              |

## Foie résiduel

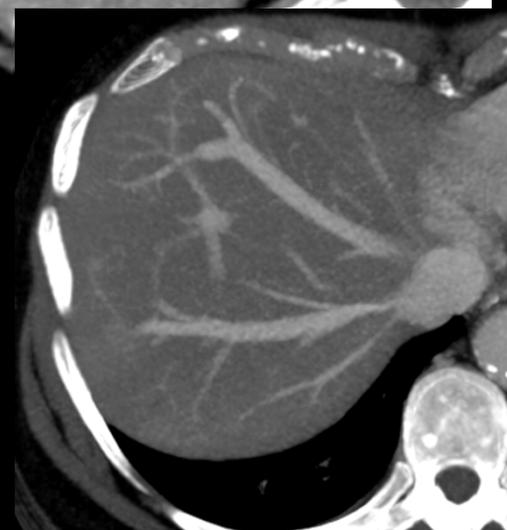
- > 30% pour le foie sain
- > 40% pour les foie stéatosique /modifications à la chimiothérapie – SOS
- > 40-50% pour le foie cirrhotique



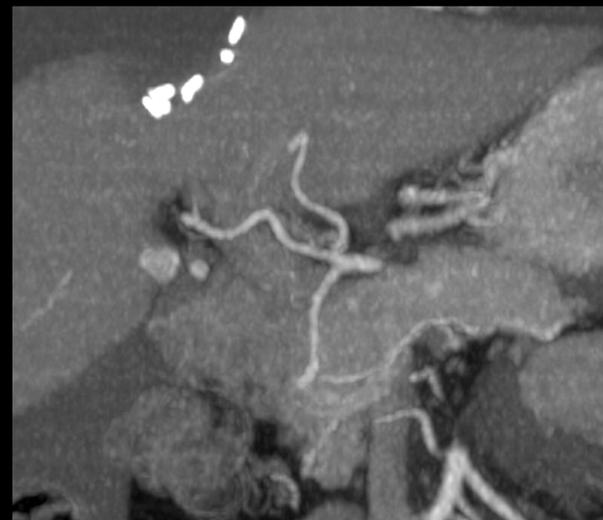
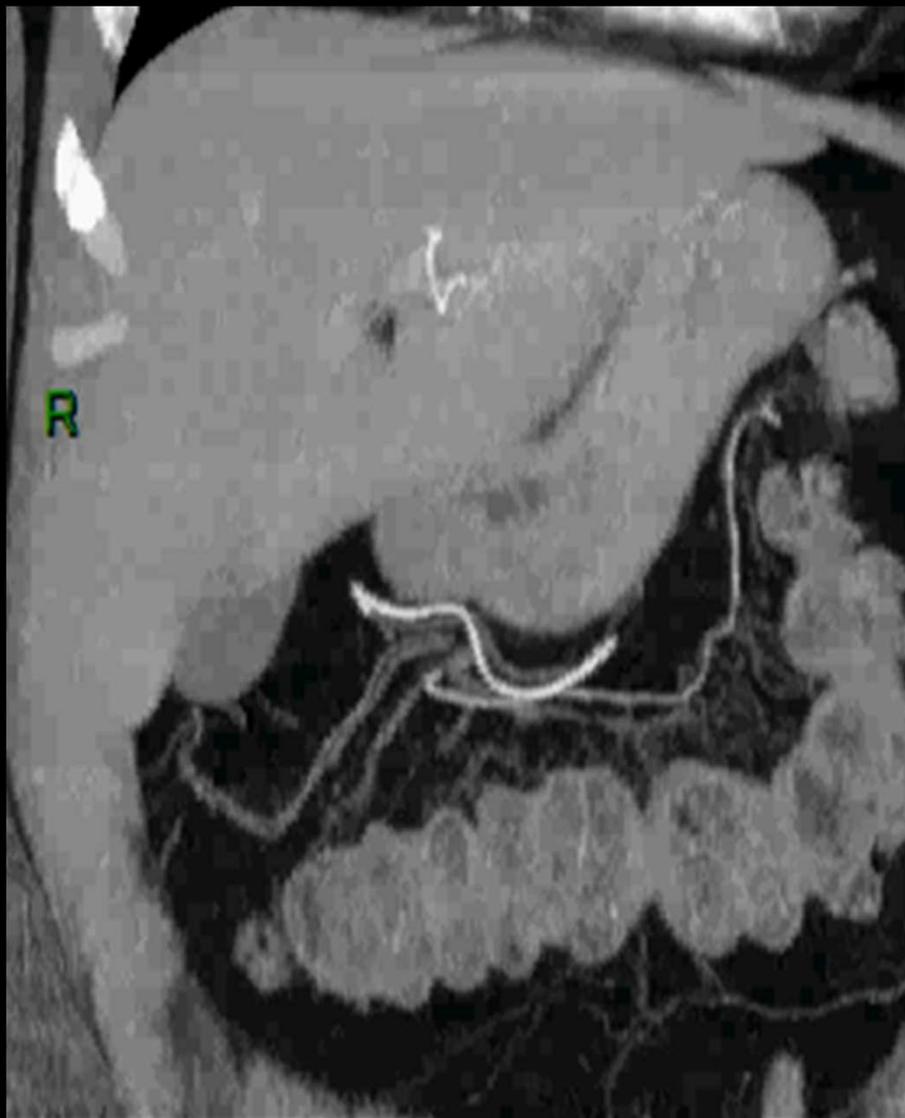
# Variante anatomique vasculaire



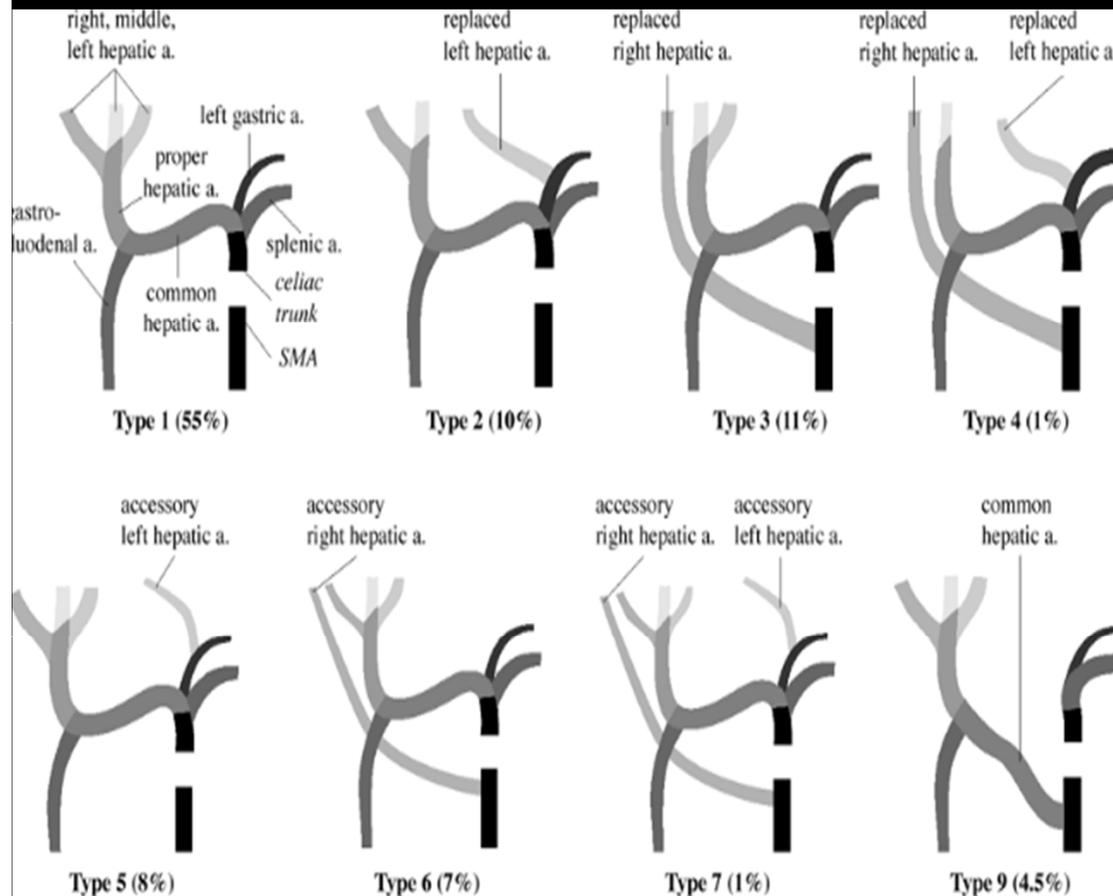
# Variante anatomique vasculaire



# Variante anatomique vasculaire



# Variante anatomique vasculaire



**Table 1** Michels' classification of hepatic arterial anomalies

| Type | Description                               |
|------|---|
| I    | Normal anatomy                            |
| II   | Repl. LHA from LGA                        |
| III  | Repl. RHA from SMA                        |
| IV   | Repl. LHA from LGA and repl. RHA from SMA |
| V    | Acc. LHA from LGA                         |
| VI   | Acc. RHA from SMA                         |
| VII  | Acc. LHA from LGA and acc. RHA from SMA   |
| VIII | Acc. LHA from LGA and RHA from SMA        |
| IX   | CHA from SMA                              |
| X    | CHA from LGA                              |

*LHA* left hepatic artery, *LGA* left gastric artery, *RHA* right hepatic artery, *SMA* superior mesenteric artery, *CHA* common hepatic artery, *Repl.* replaced, *Acc.* accessory

# Avant résection hépatique/embolisation rechercher les variantes vasculaires

- Morphologie hépatique
- VP principale et les branches avec leur perméabilité,
- Veines sus-hépatiques et leur segment de drainage avec attention particulière sur la VSH moyenne,
- Veines sus-hépatiques accessoires et leur distance par rapport la veine principale,
- Veine cave inférieure,
- Variante artérielle dans tout résection/TRH + recherche la sténose du tronc cœliaque

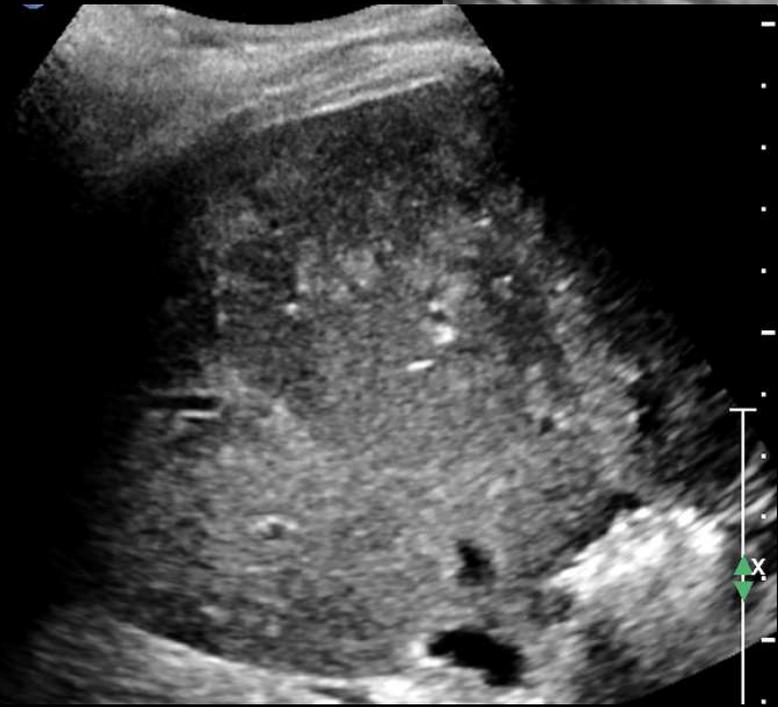
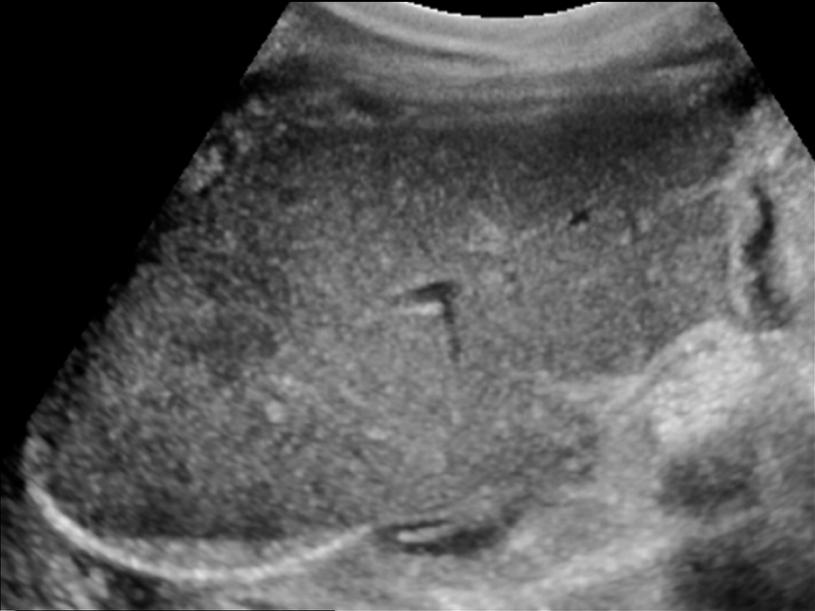
# Voies biliaires



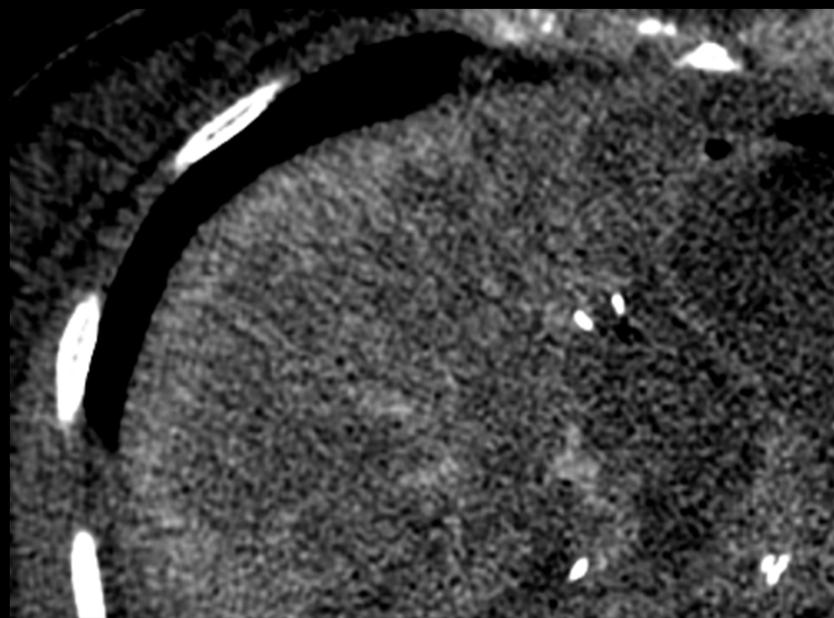
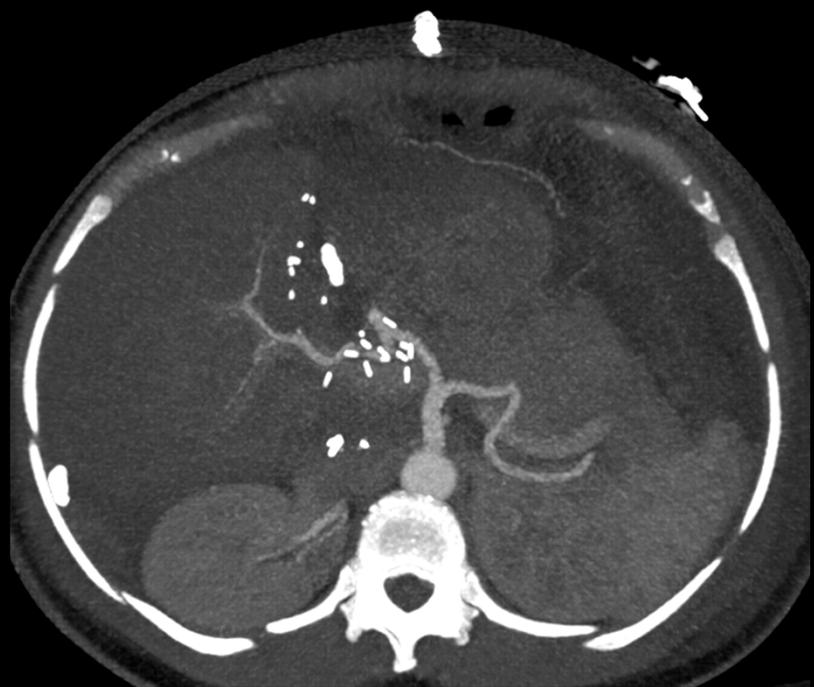
**Artère hépatique - 100%**



J1



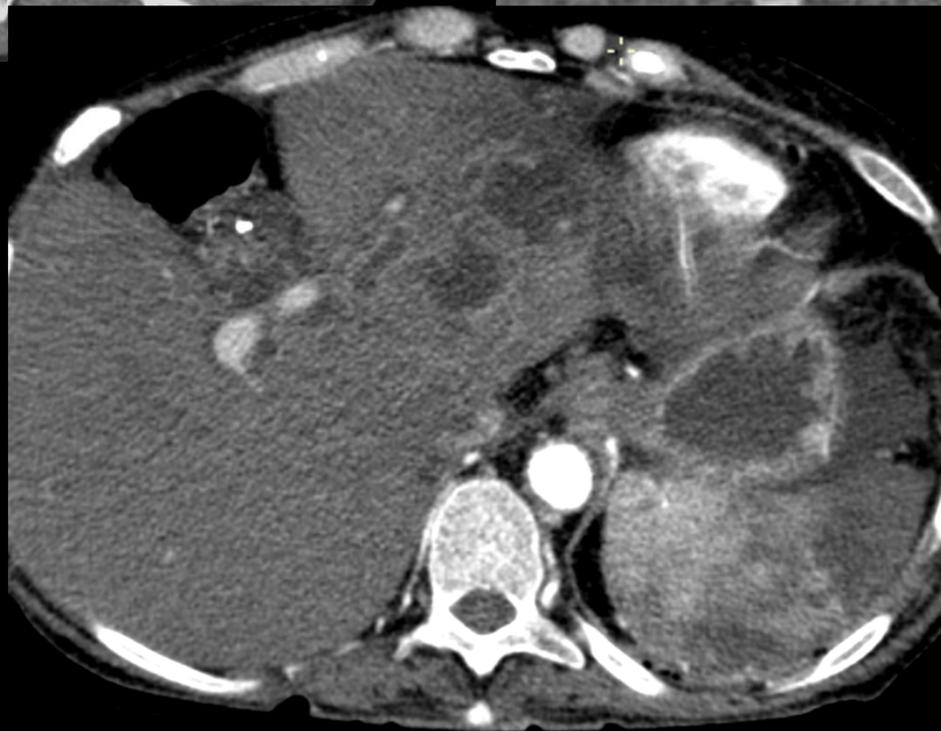
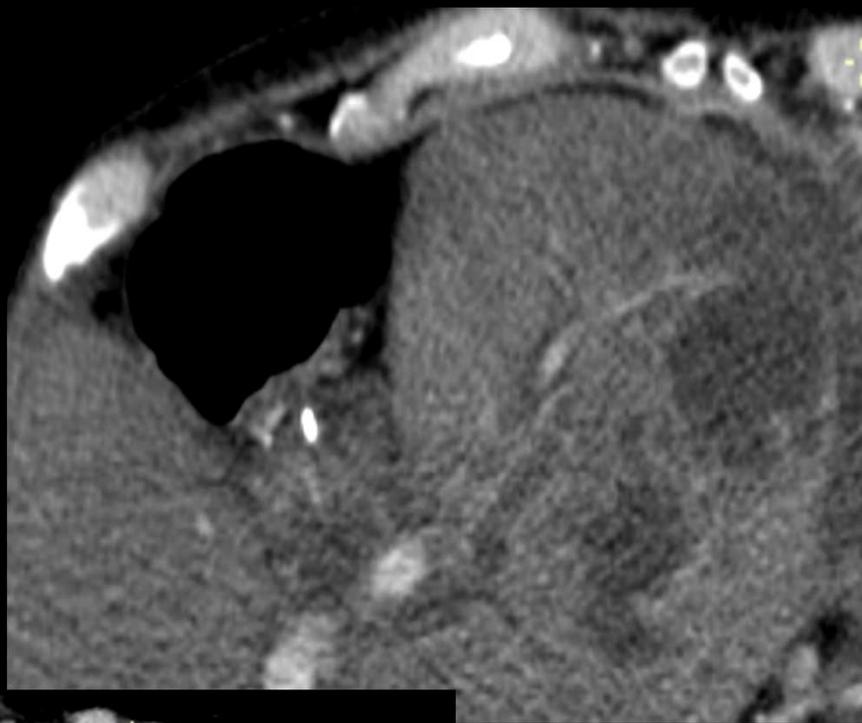
J2

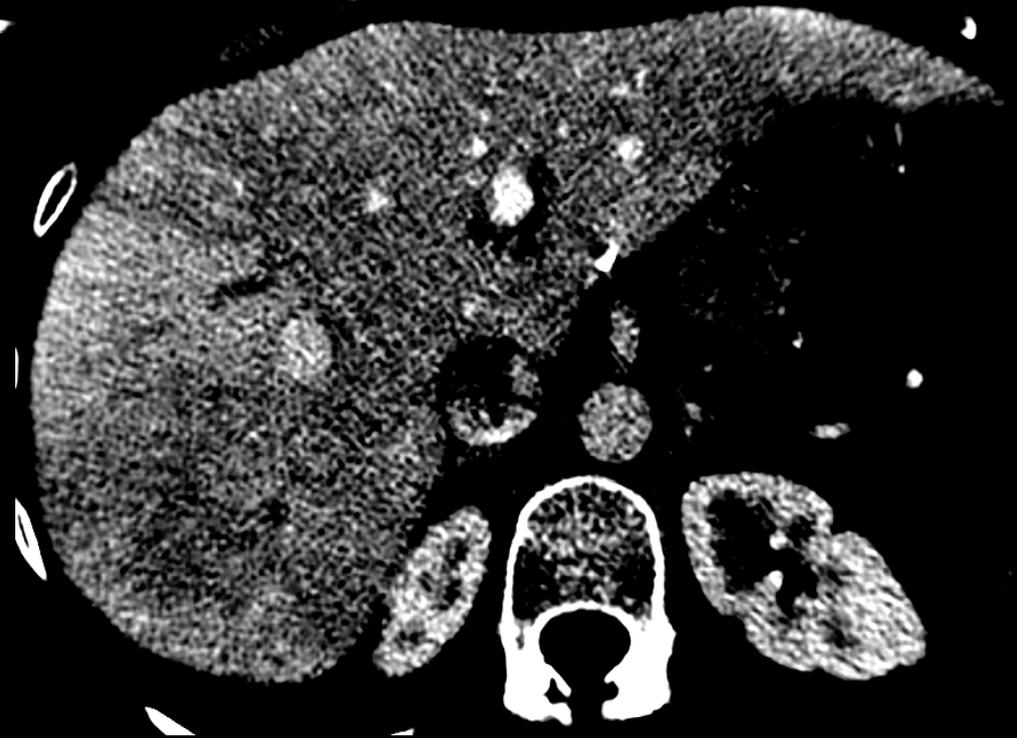


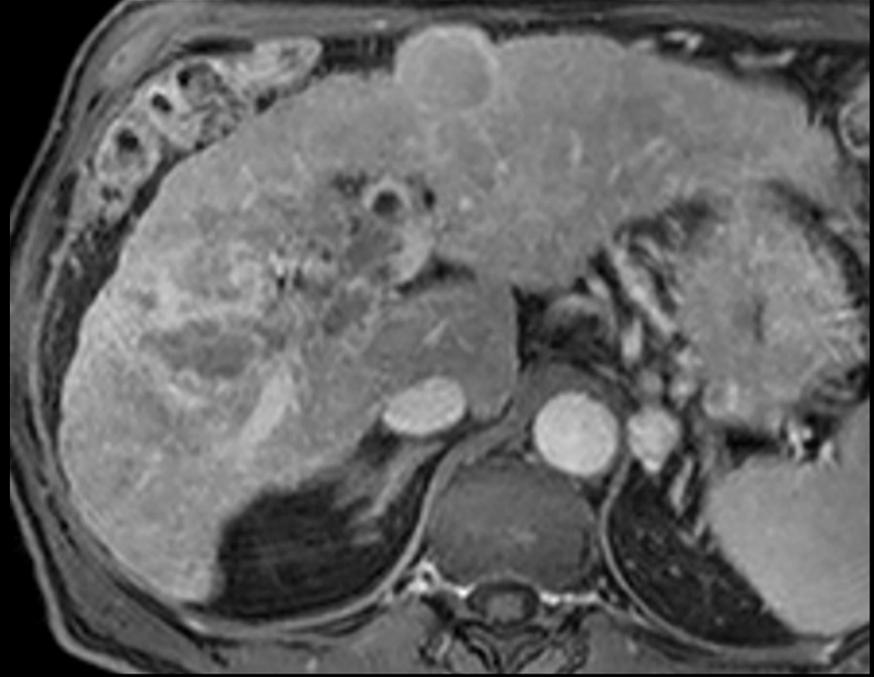
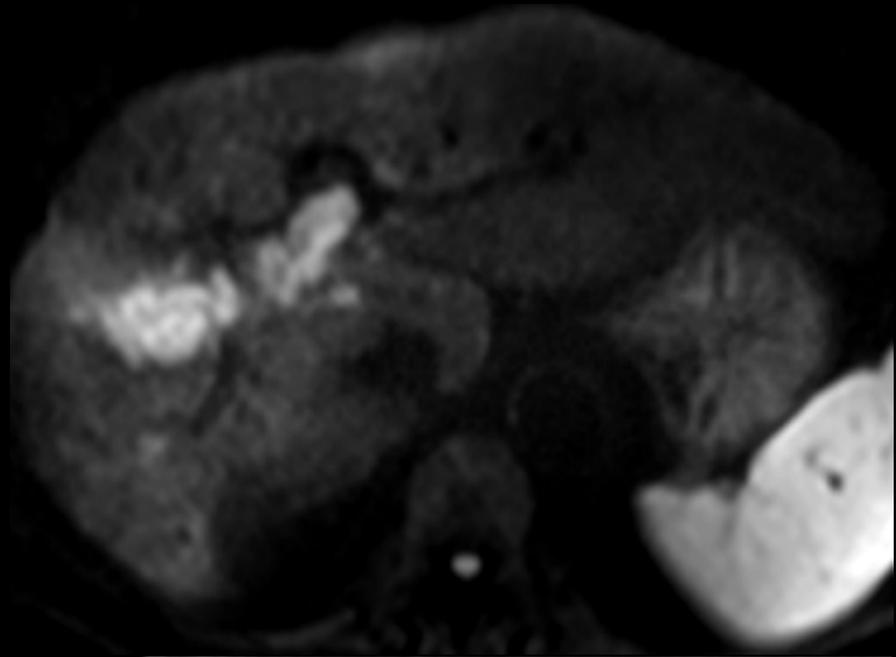
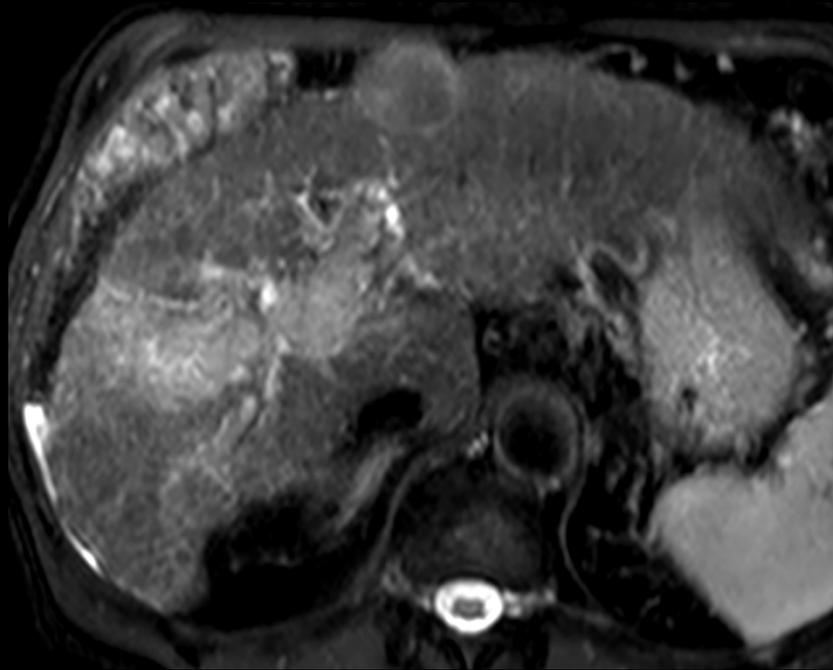


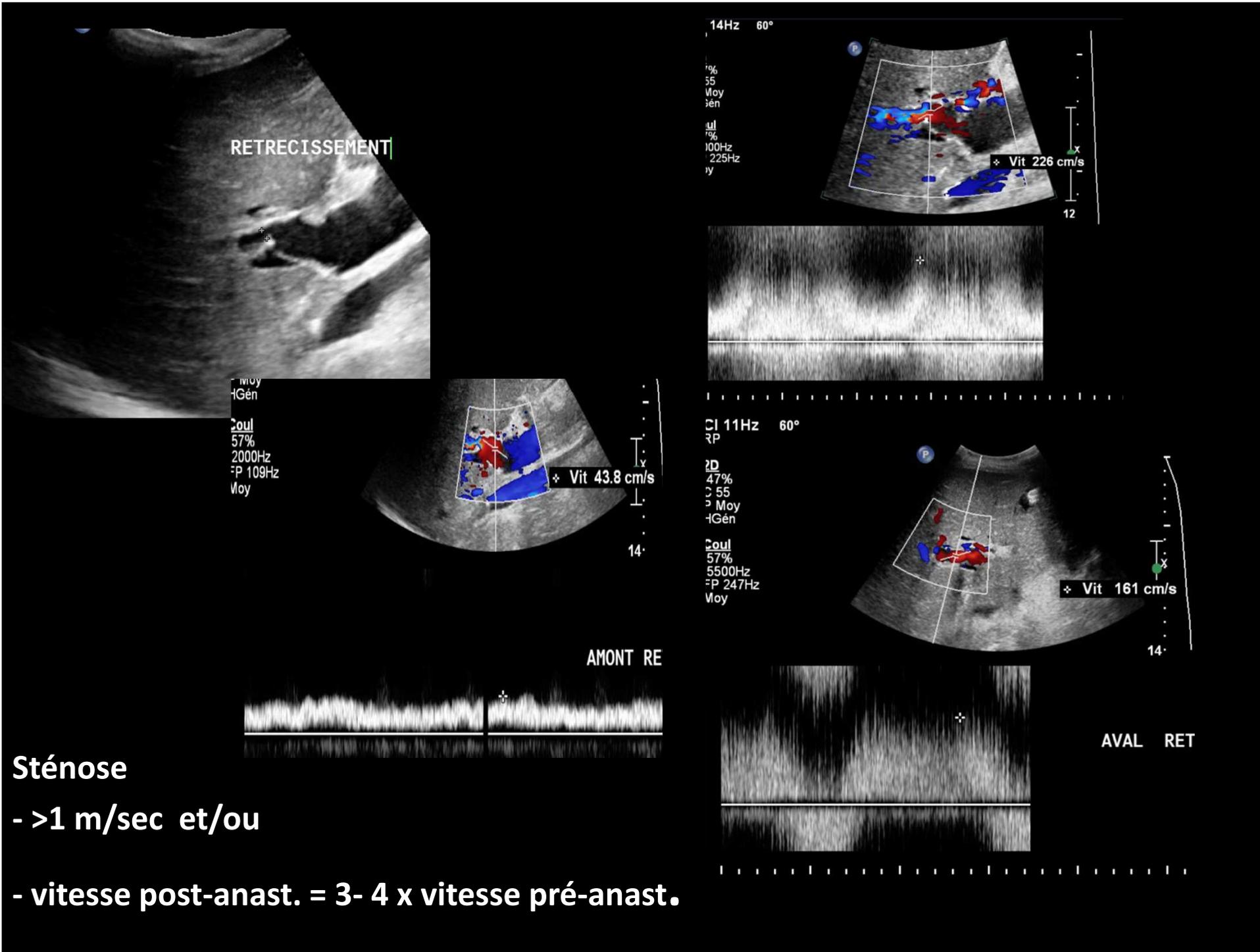
FOIE GH





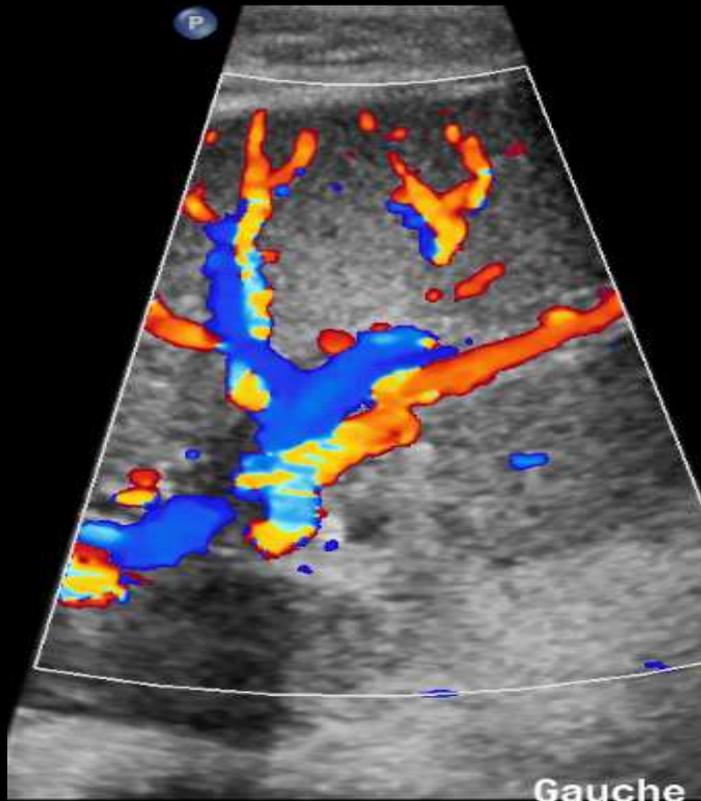


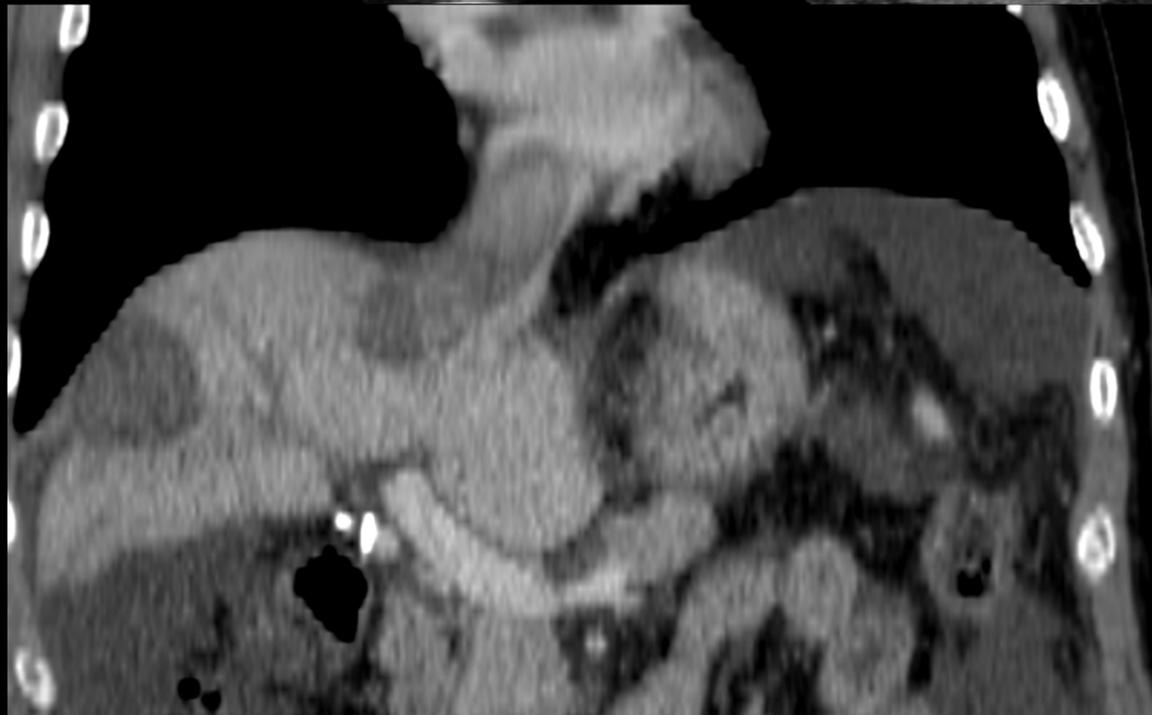
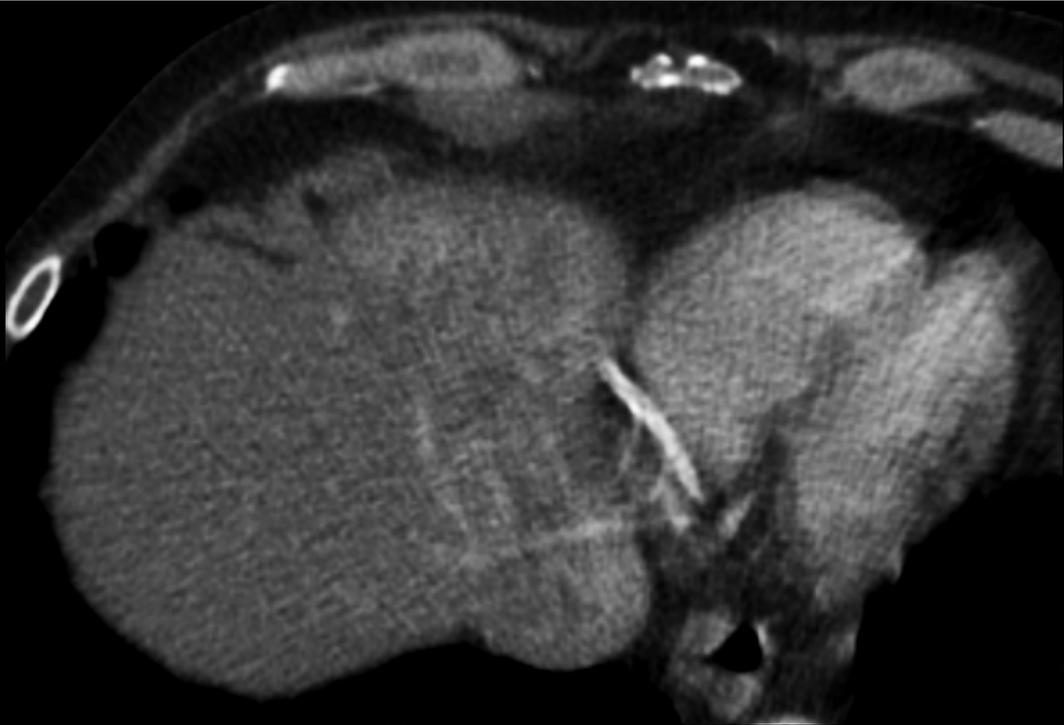


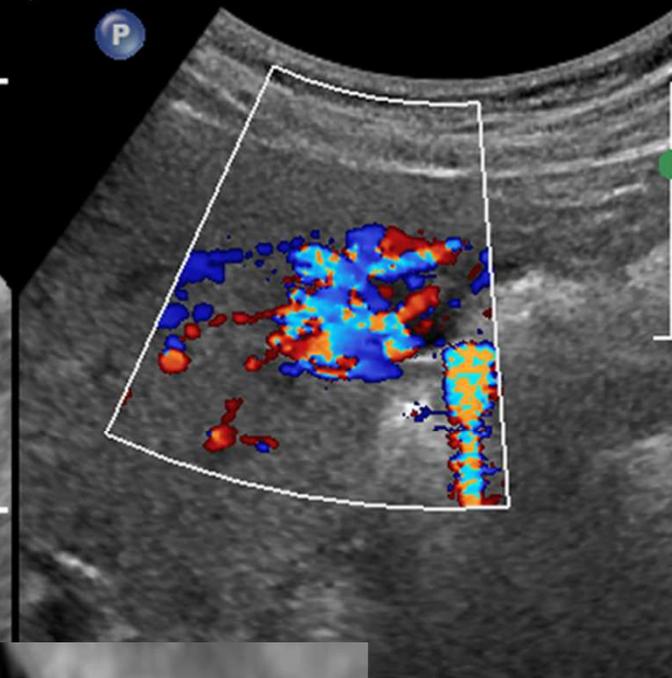
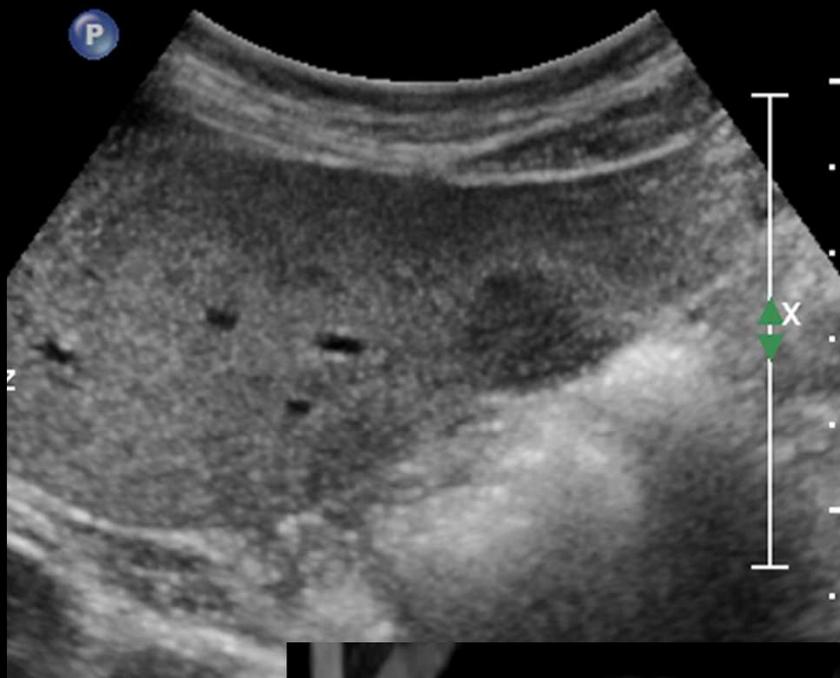


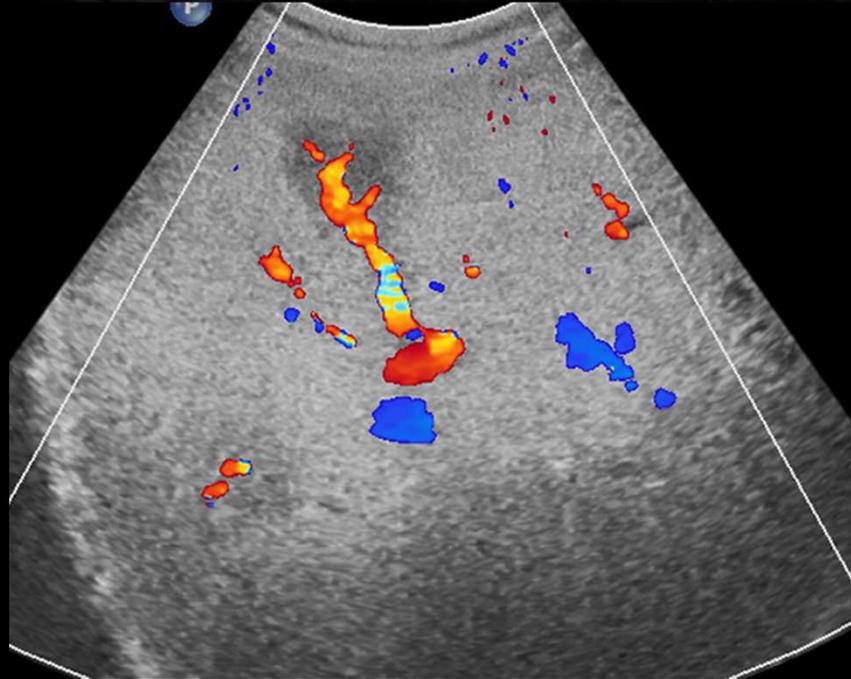
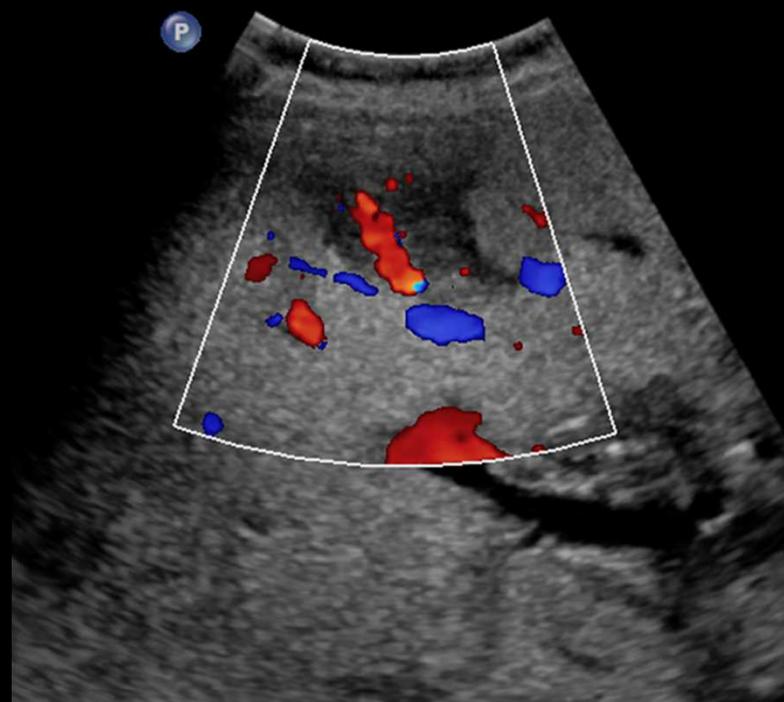
# Systeme porte

- \* Inversion du flux portal/flux portal bas
- \* Thrombose – cruorique ou tumorale
  - ° aiguë et chronique
  - ° partielle ou complète
- \* Sténose veine porte





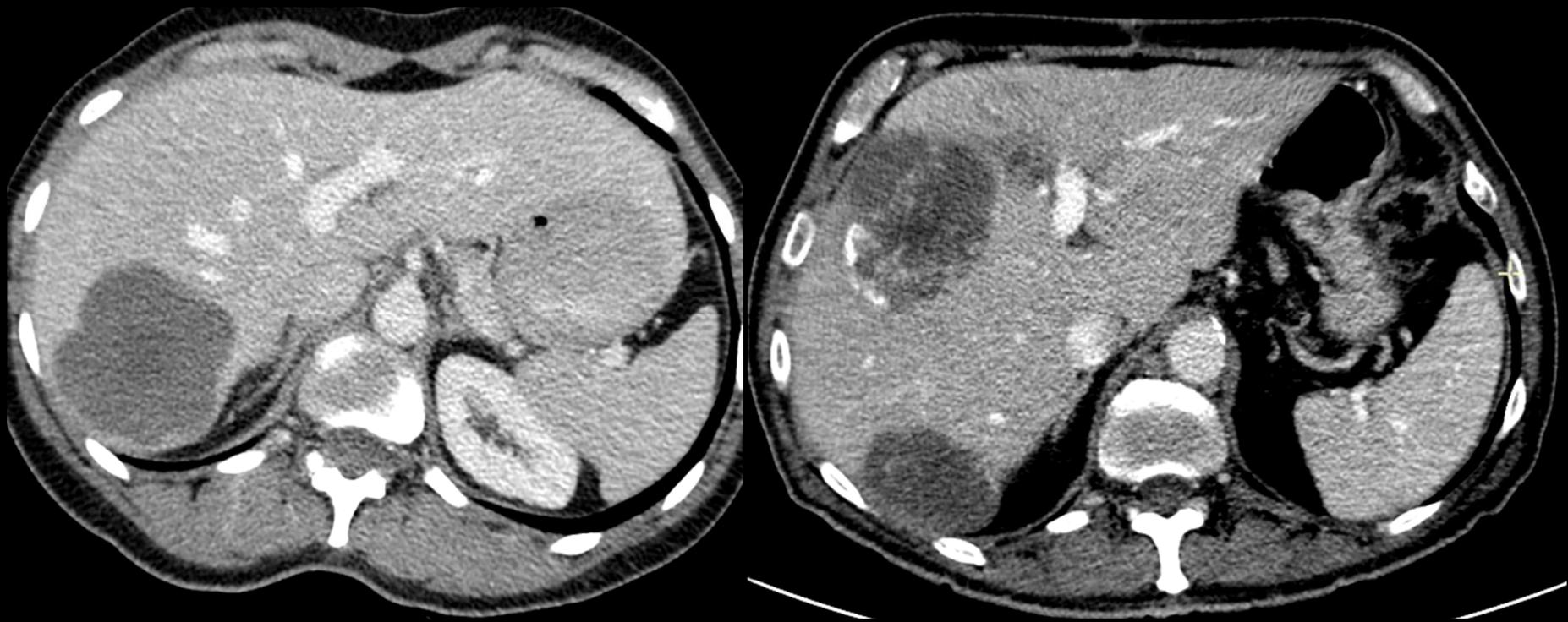




Prof. Goffette P.

# Métastases hépatiques

Bilan initial

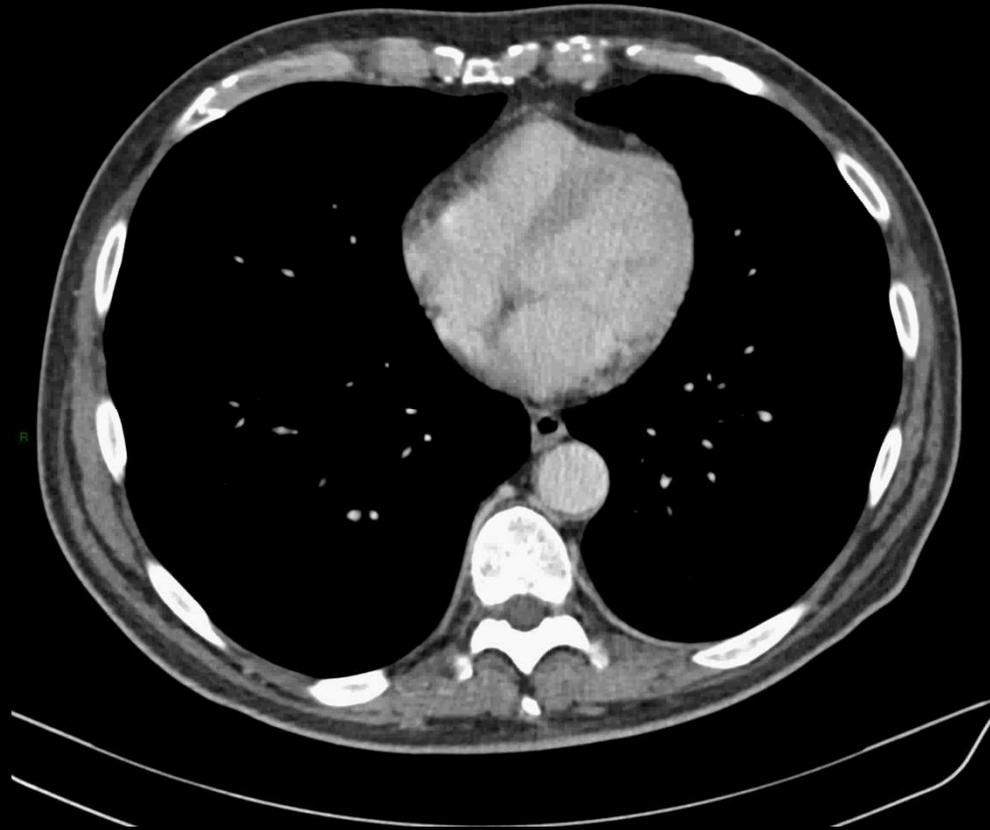


Numéro/taille des métastases, localisation et rapports vasculaires

Caractéristiques de métastases

# Métastases hépatiques

Bilan initial

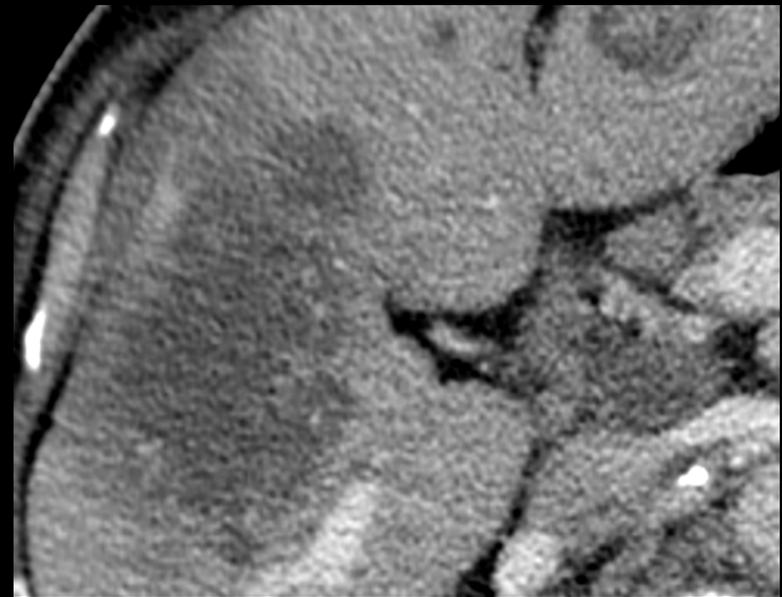
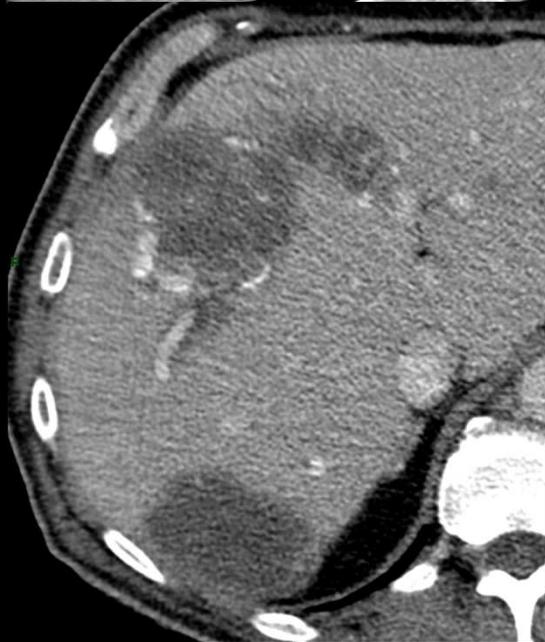
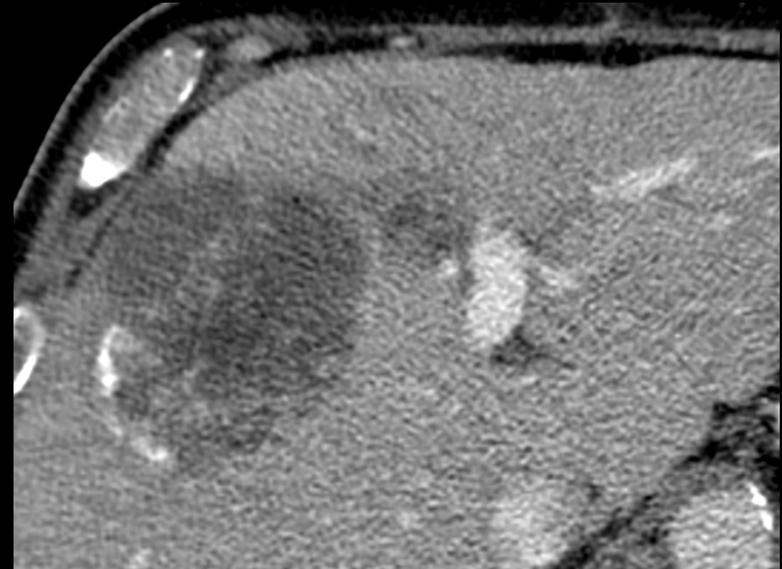
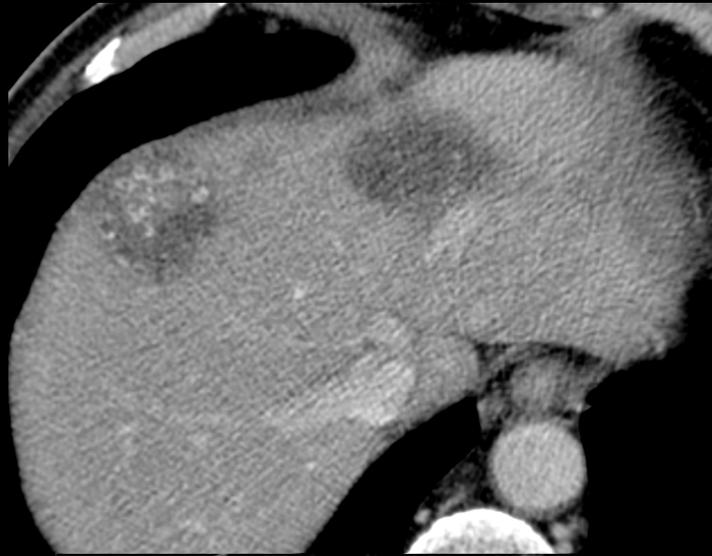


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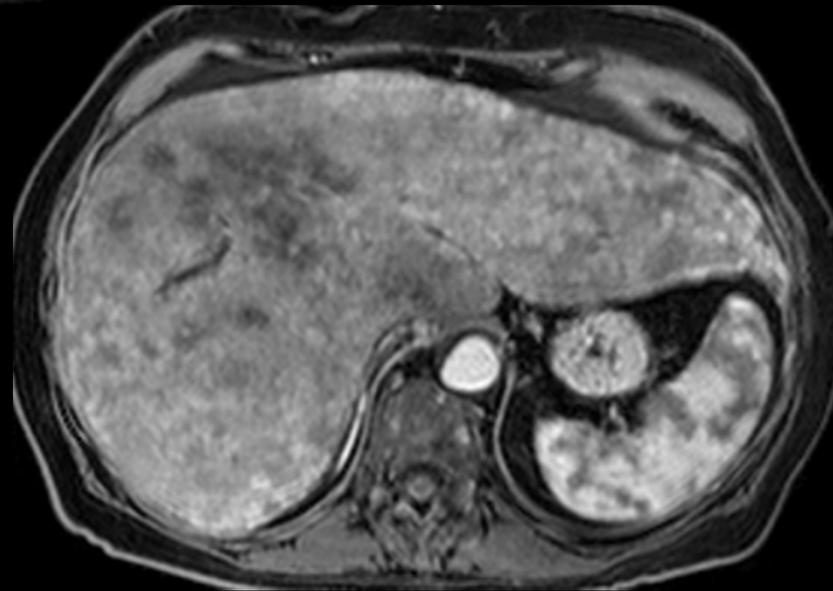
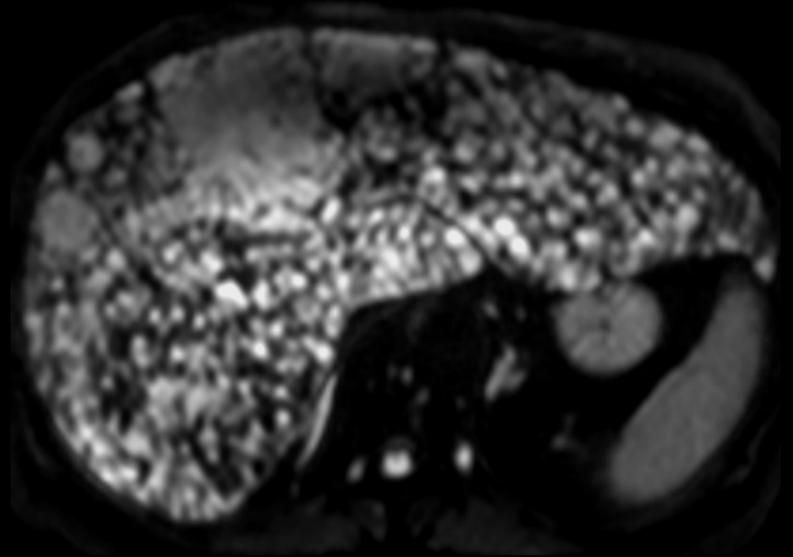
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Bilan initial



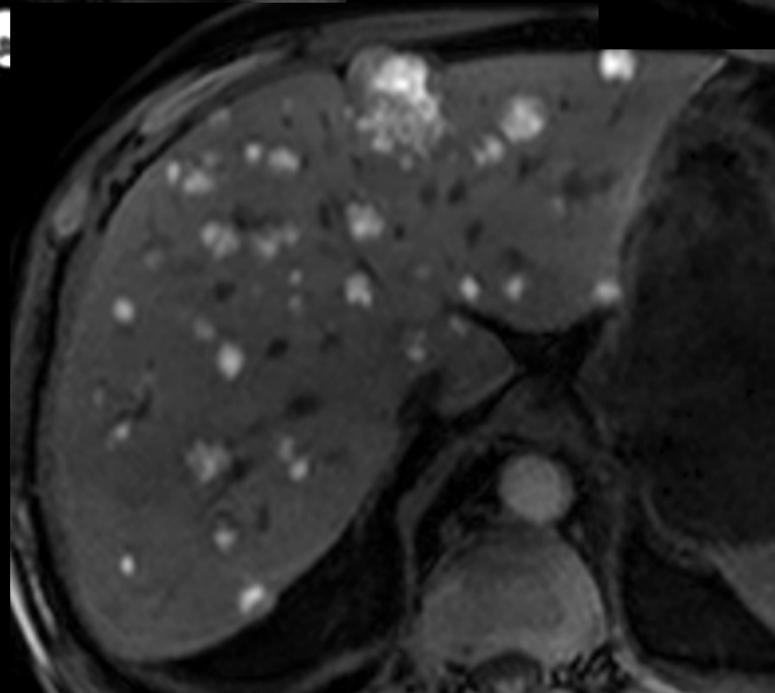
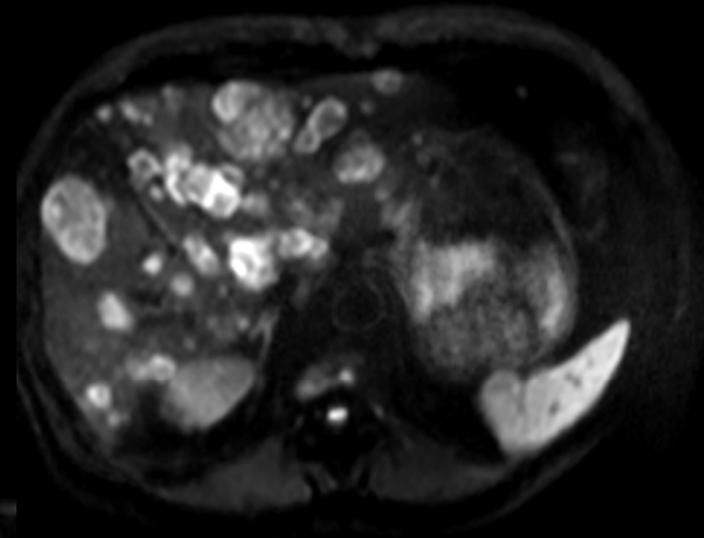
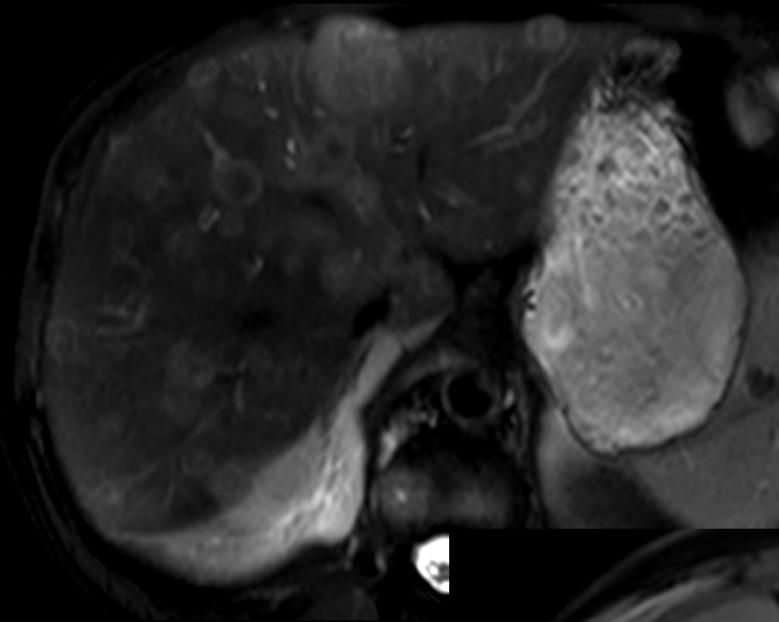
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Bilan initial



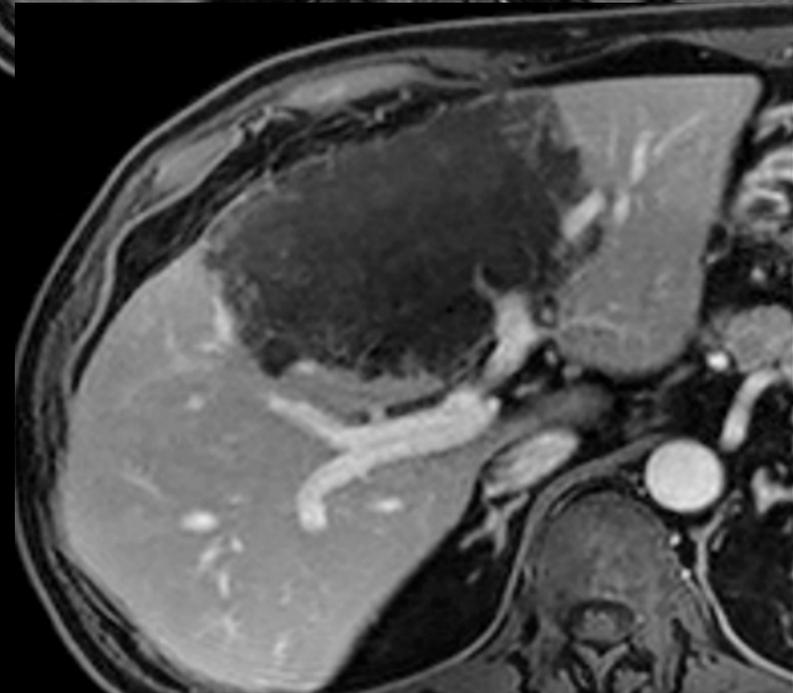
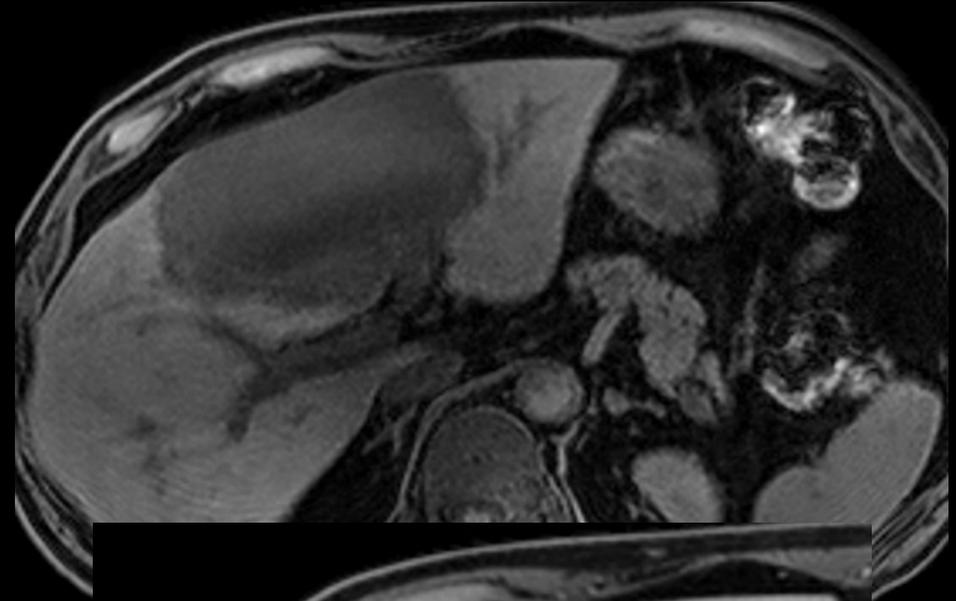
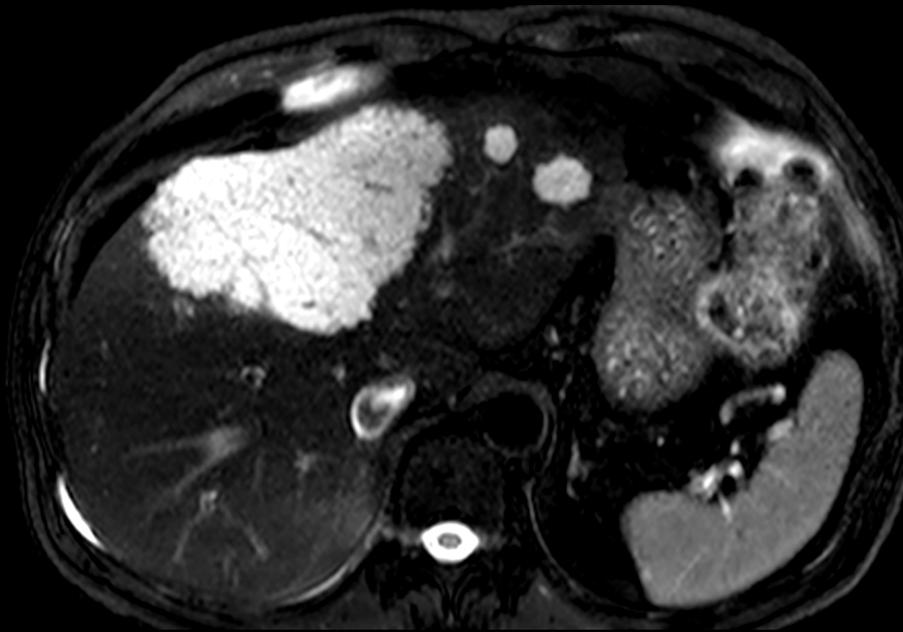
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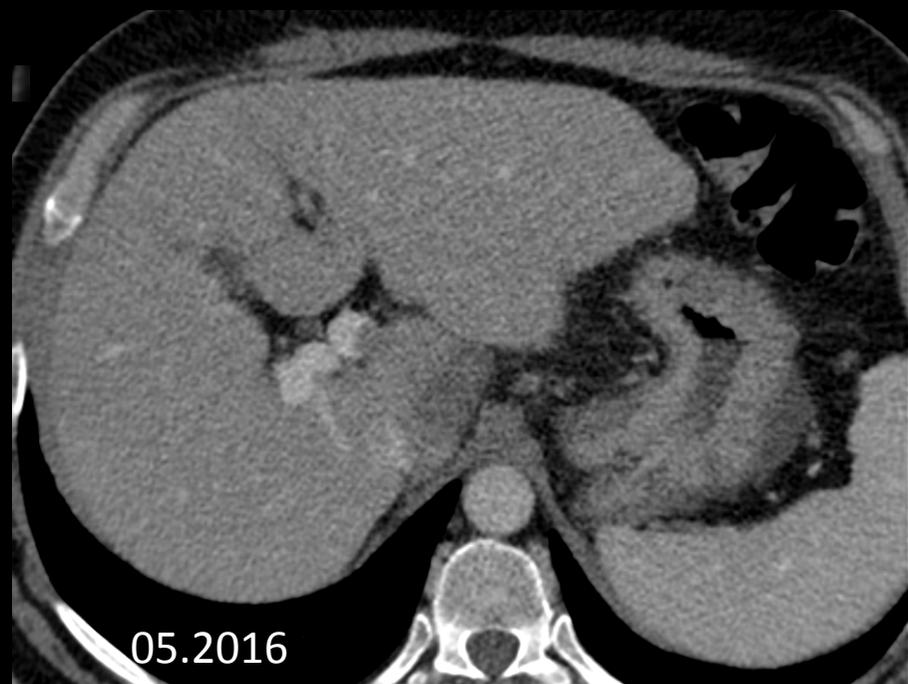
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Bilan initial

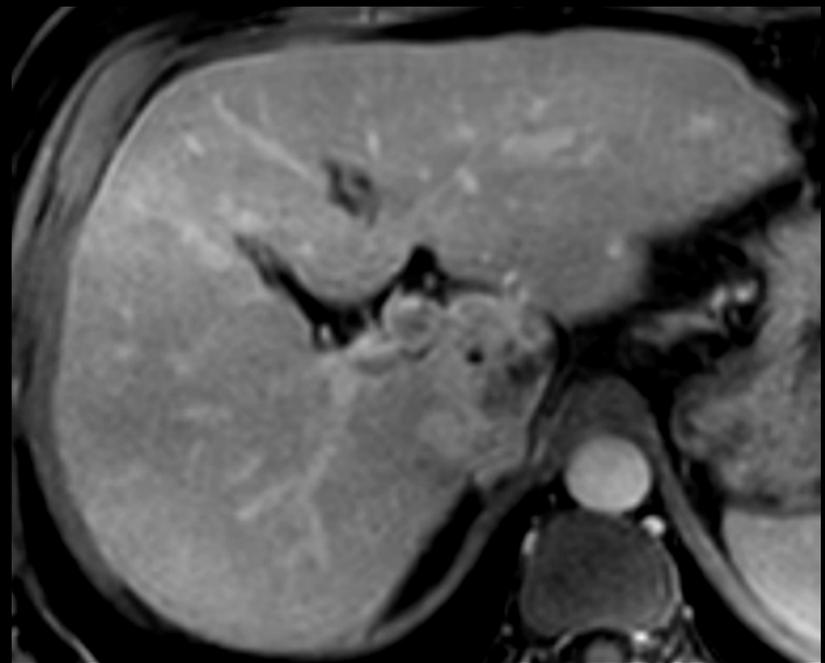
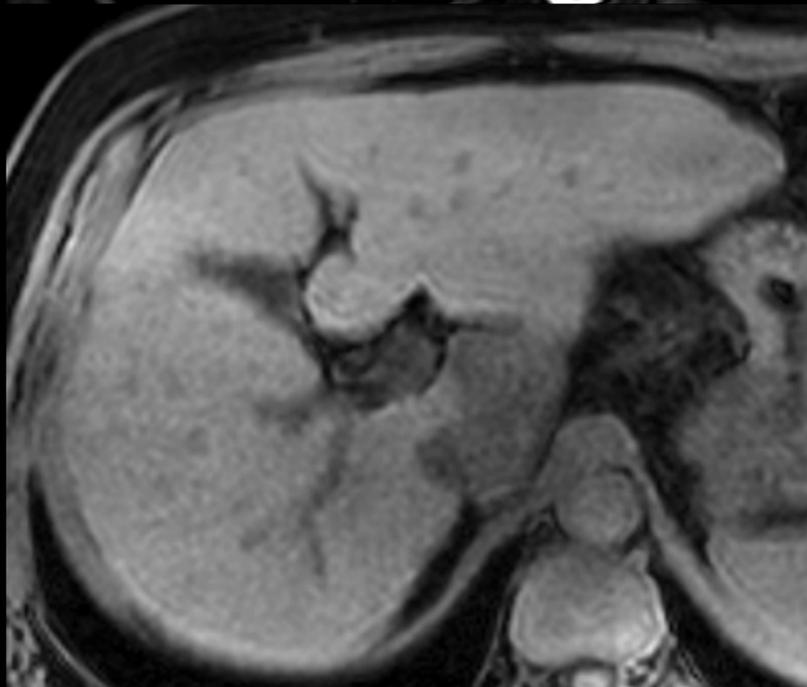
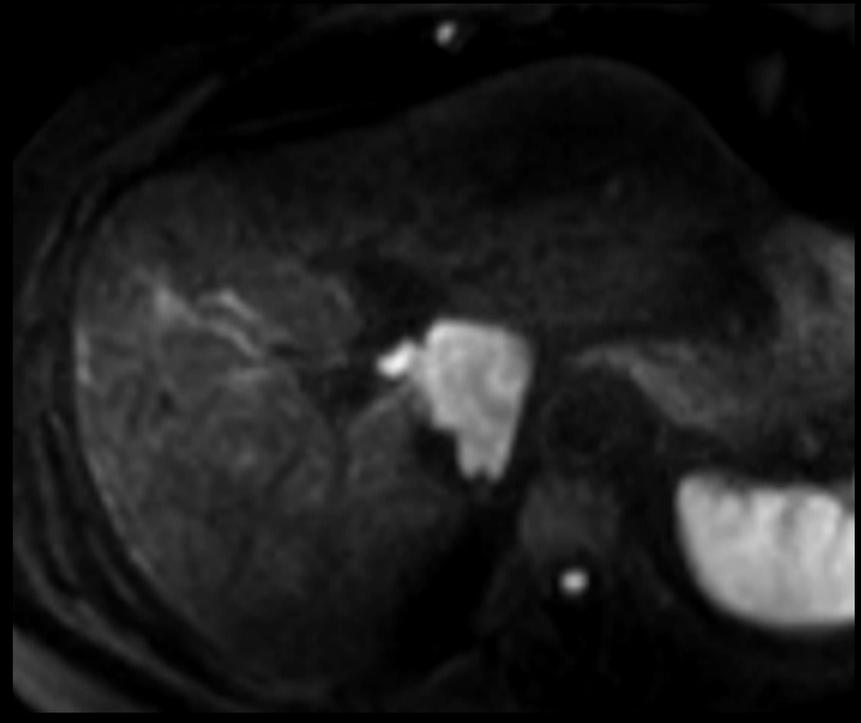
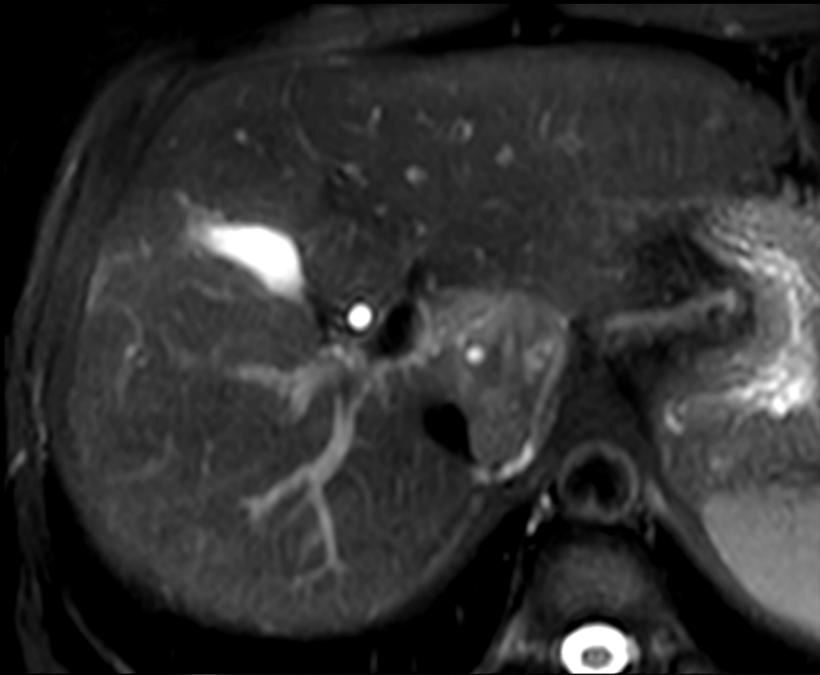




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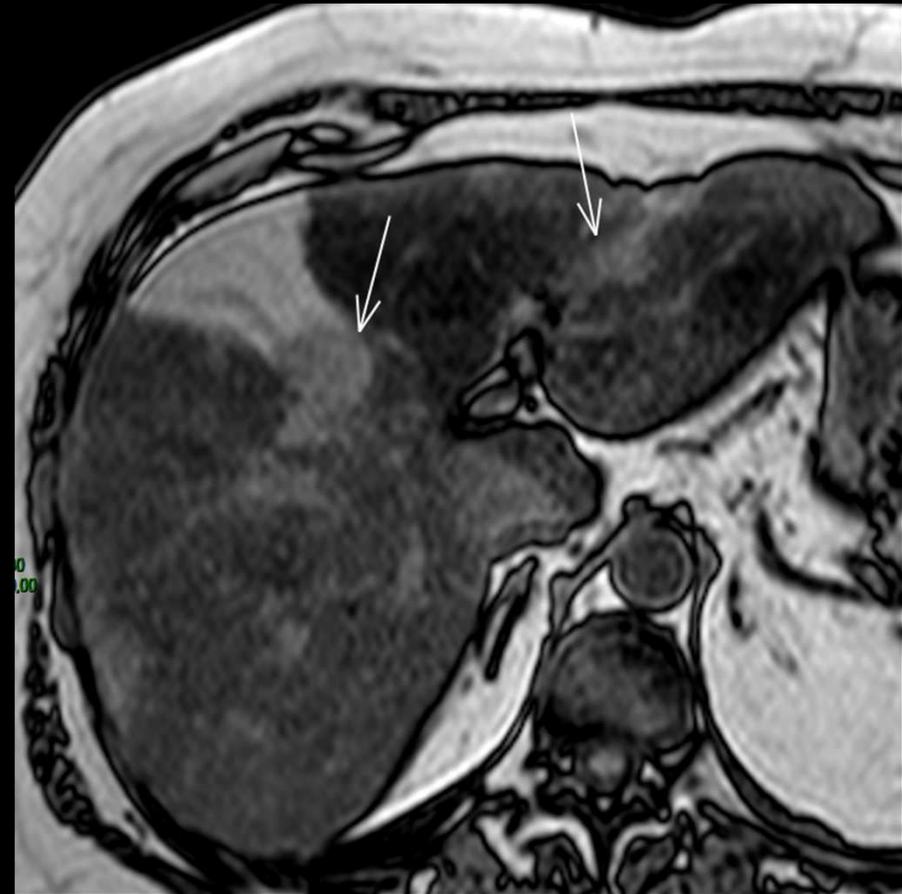


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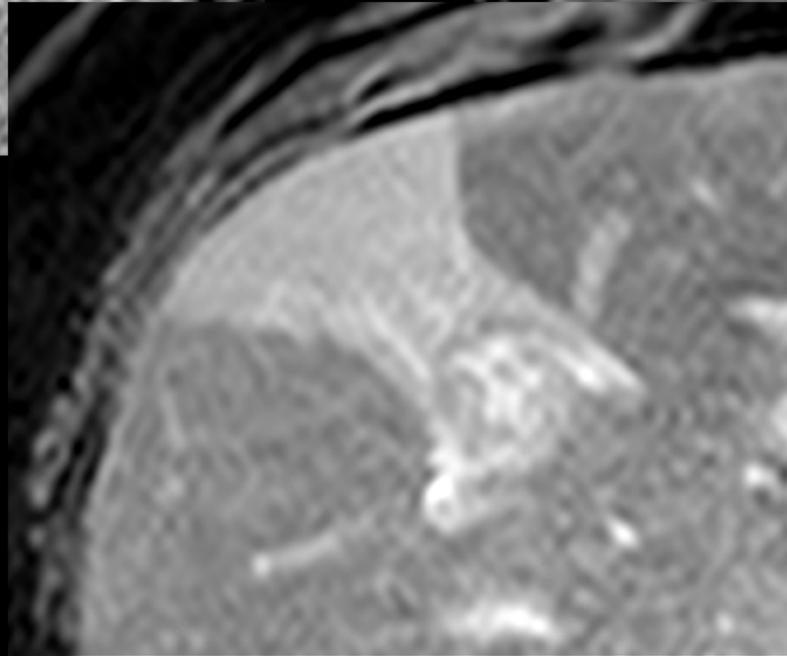
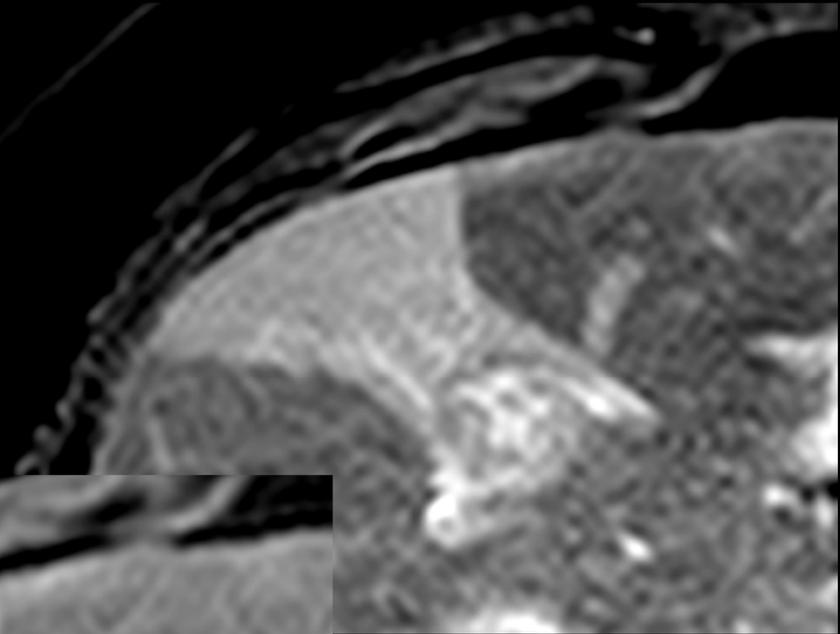
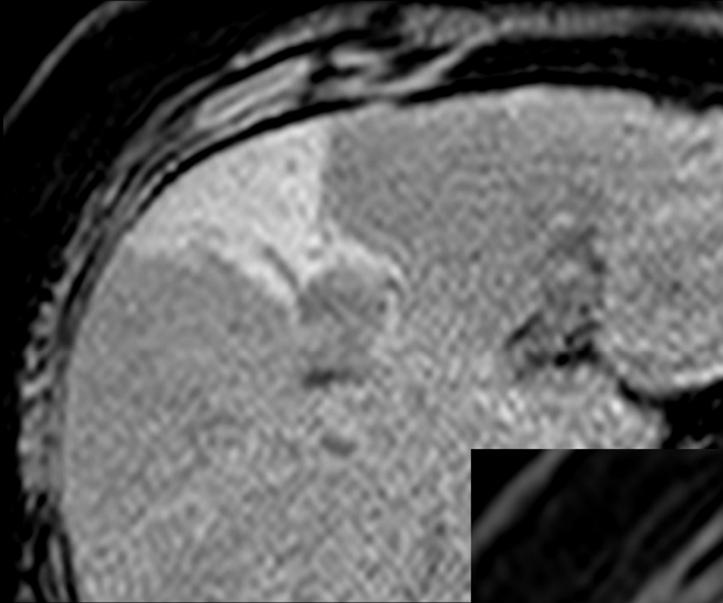
# Métastases hépatiques

Suivi



# Métastases hépatiques

Suivi



# Métastases hépatiques

Suivi



2006



2012

