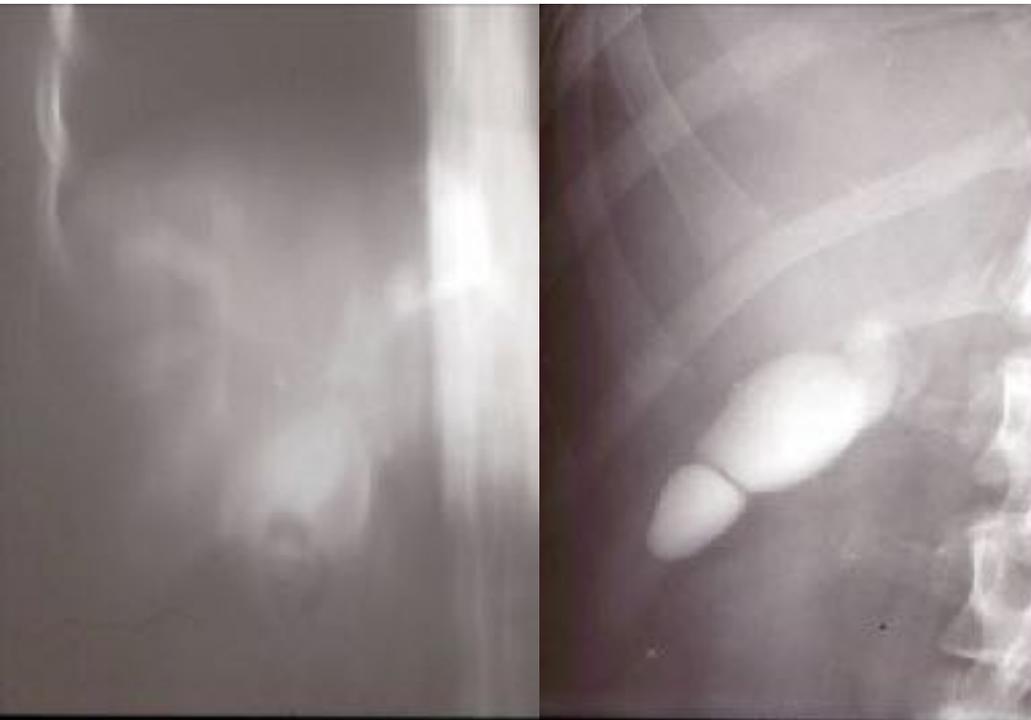




Colangiocarcinoma (Tumor de Klatskin)

I. DIAGNÓSTICO



TC MULTICORTE

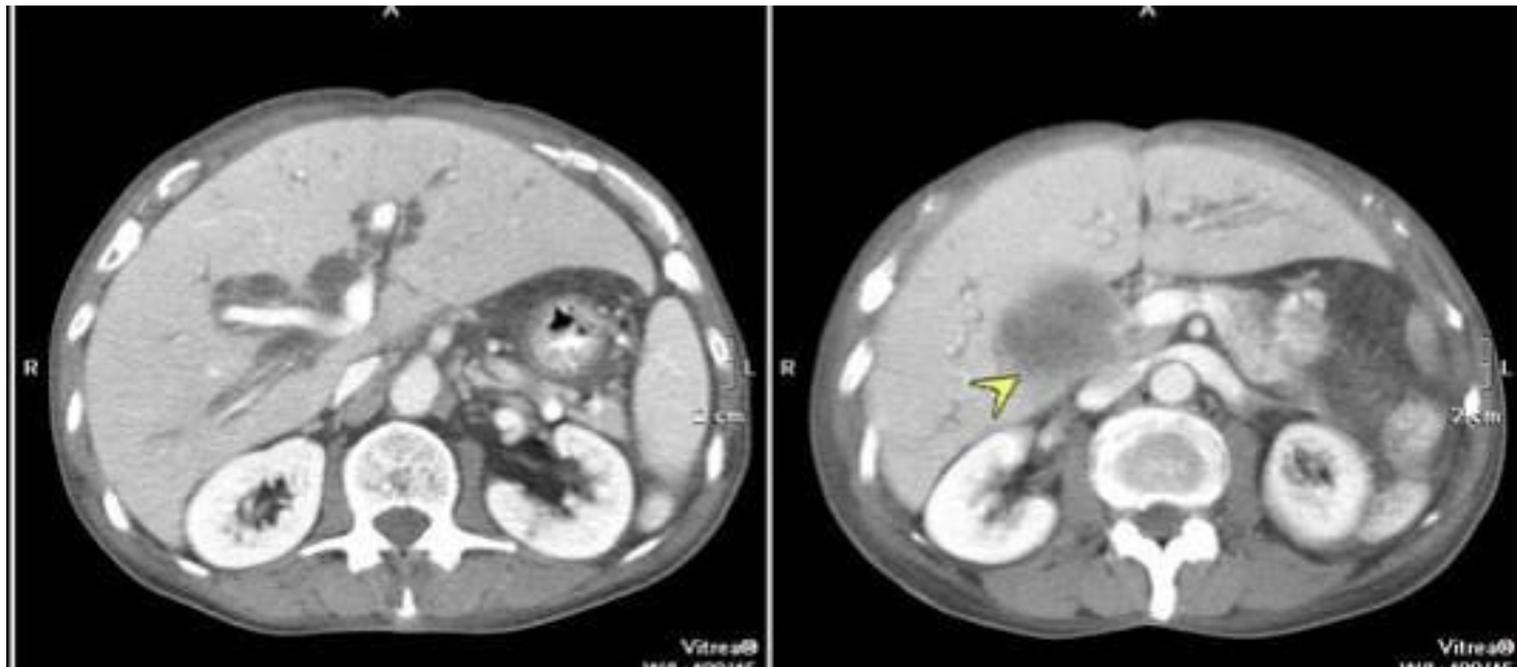
16 – 128 detectores

VENTAJAS

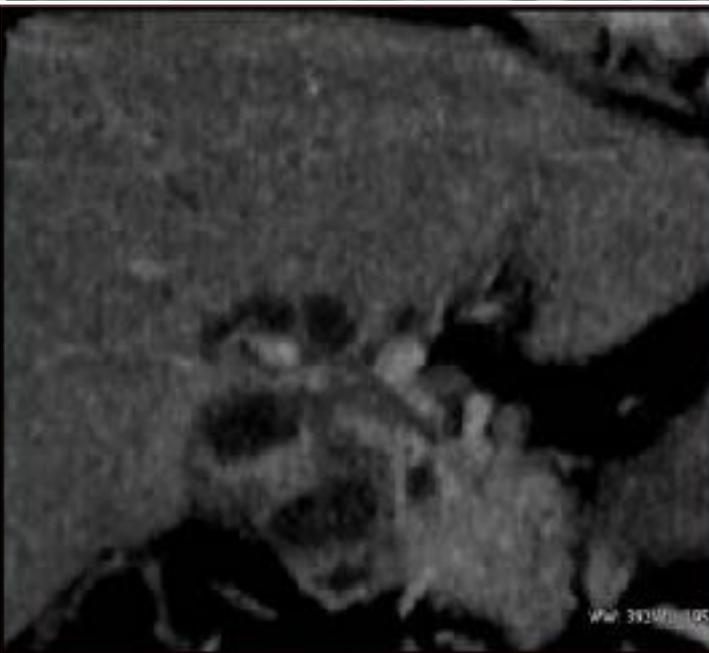
- **Secciones milimétricas (detalle anatómico)**
- **Reconstrucciones ortogonales**
- **MIP (Proyección de Máxima Intensidad)**
- **Reconstrucciones 3D**

INCONVENIENTES

- **Radiación ionizante**
- **Reacciones al contraste I.V.**



- Secciones milimétricas
- MIP



- **Proyección coronal**
- **MIP**

RESONANCIA MAGNÉTICA

1 – 3 Teslas

VENTAJAS

- **Ausencia de radiación ionizante**
- **Secciones oblicuas**
- **Imágenes colangiográficas**
- **Reconstrucciones 3D**

INCONVENIENTES

- **Artefactos (movimiento, pulsación, metal,...)**
- **Claustrofobia**
- **Mala definición del área periampular**

RESONANCIA MAGNÉTICA

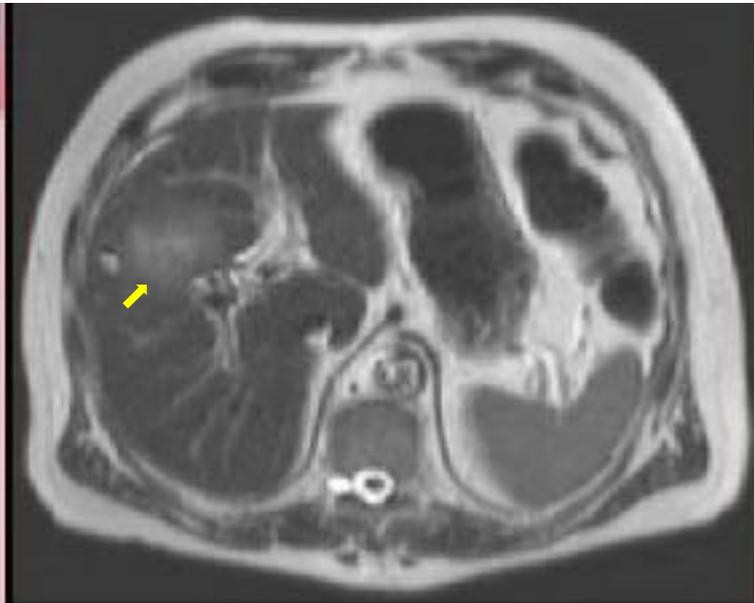
TÉCNICA

Secuencias T2: líquidos estáticos (bilis)

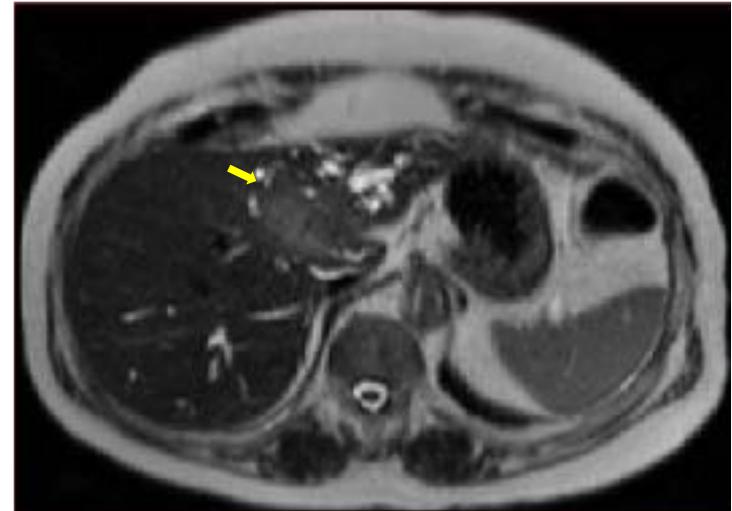
Secuencias T1: hígado y órganos vecinos

ColangioRM: Vía biliar

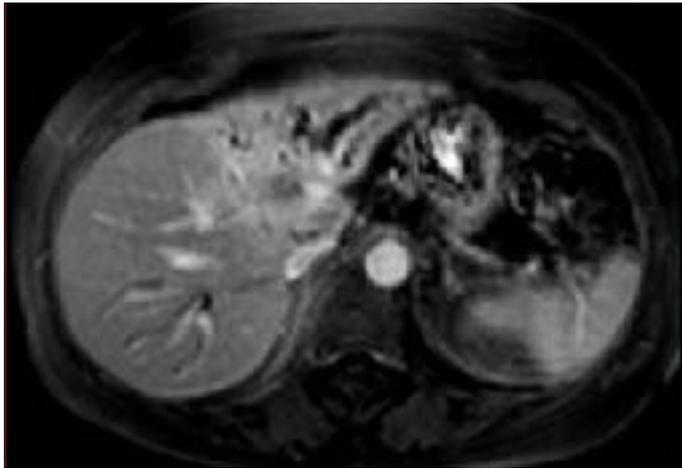
Secuencias con contraste I.V. (T2).



T2: Masa intrahepática



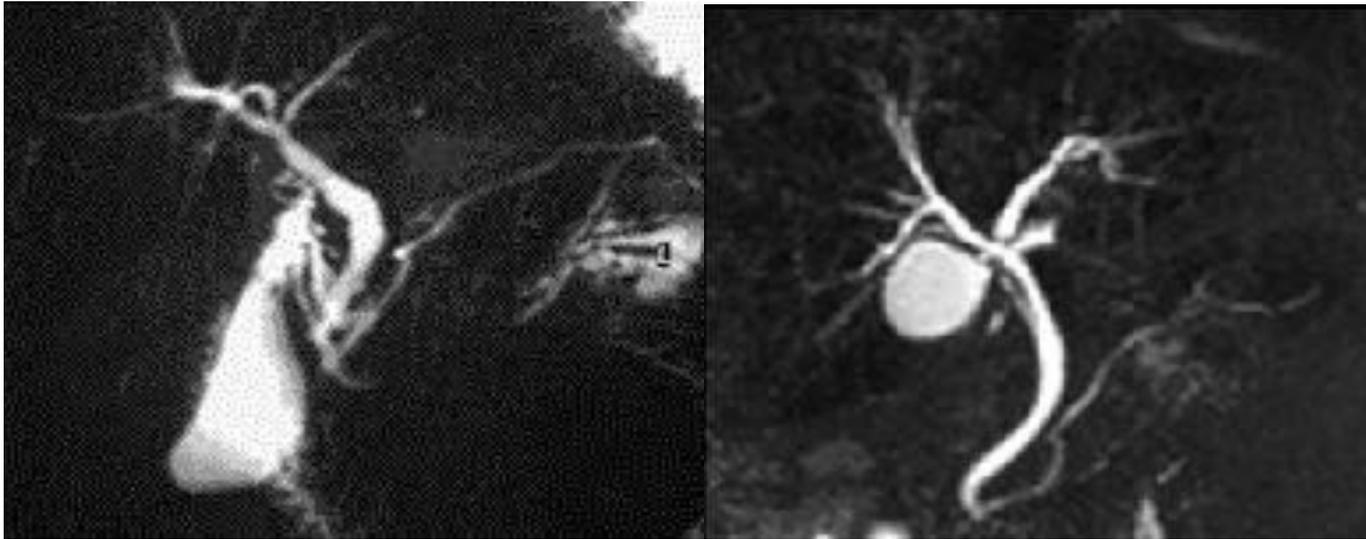
T2: Masa hilar



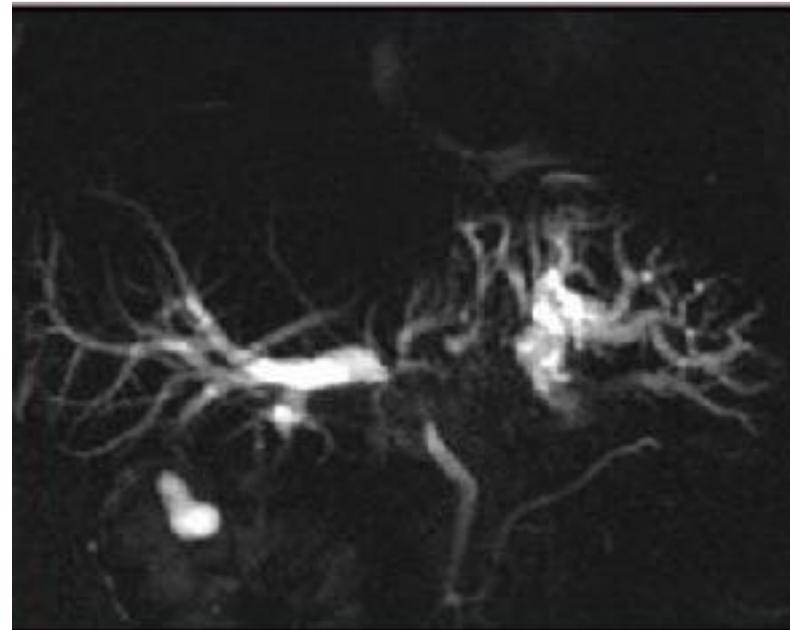
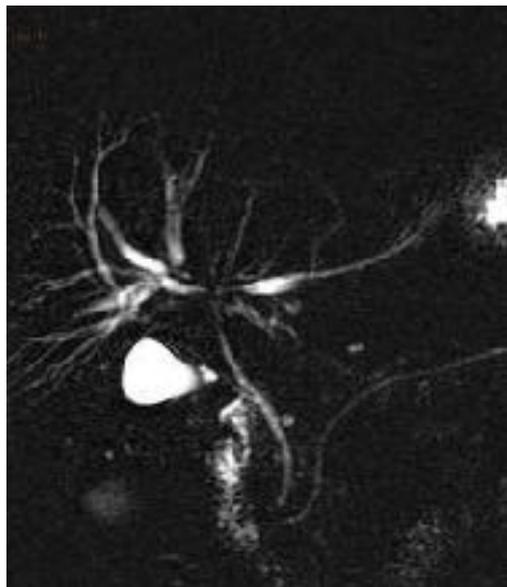
T2: contraste I.V.



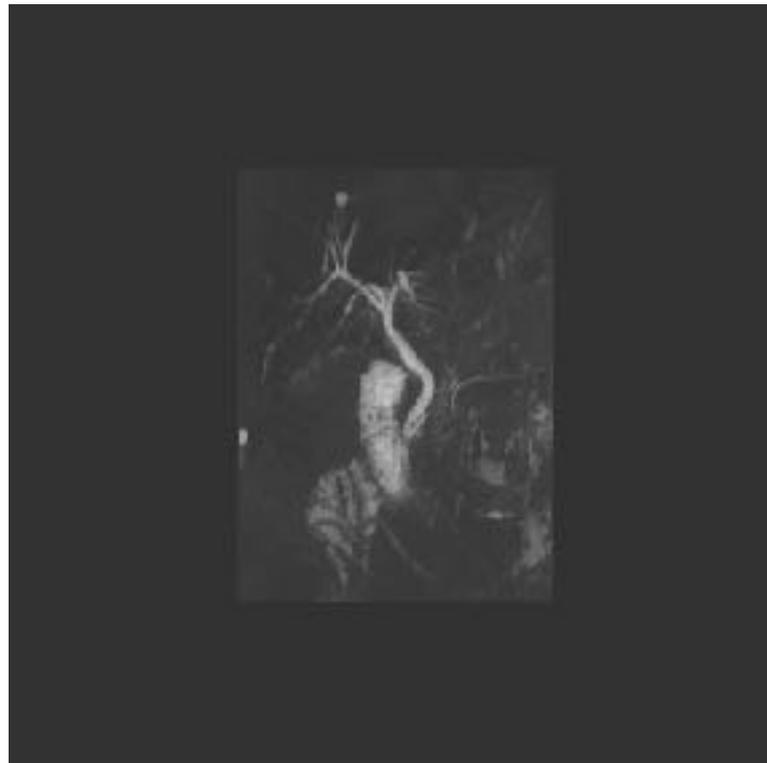
**T2: contraste I.V.
secuencia tardía**



ColangioRM (T2)



ColangioRM (T2)



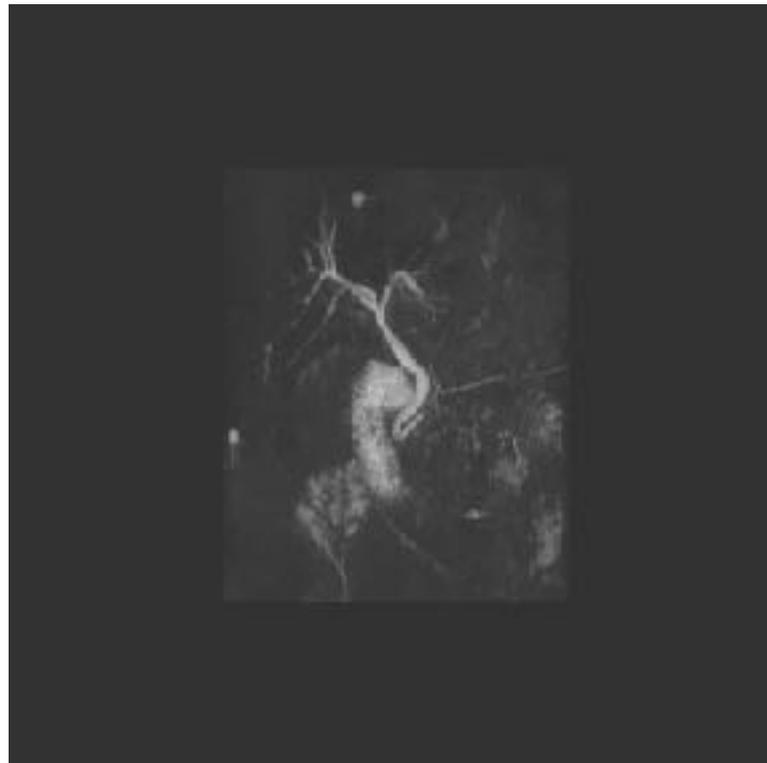
ColangioRM 3D



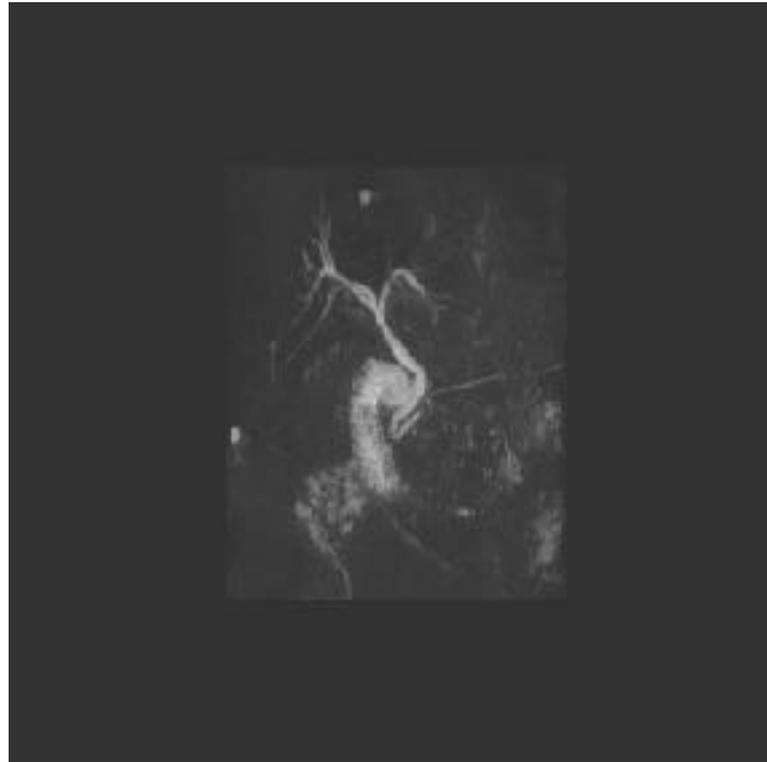
ColangioRM 3D



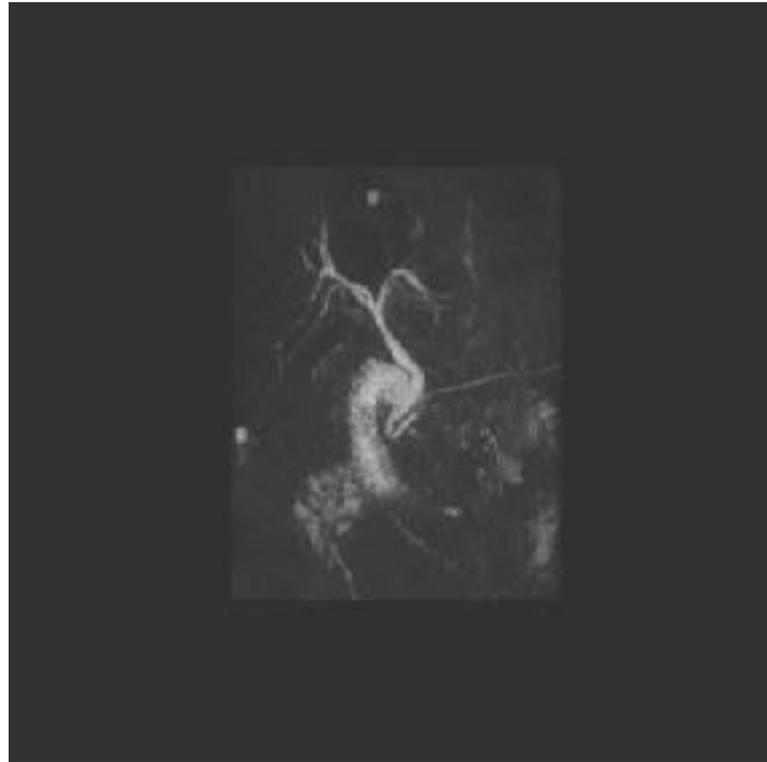
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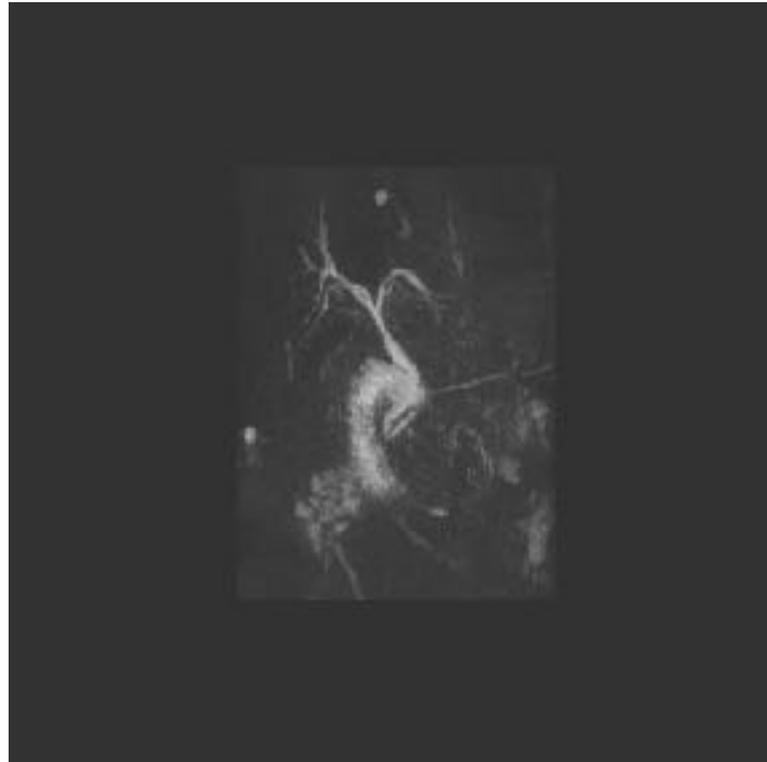
ColangioRM 3D



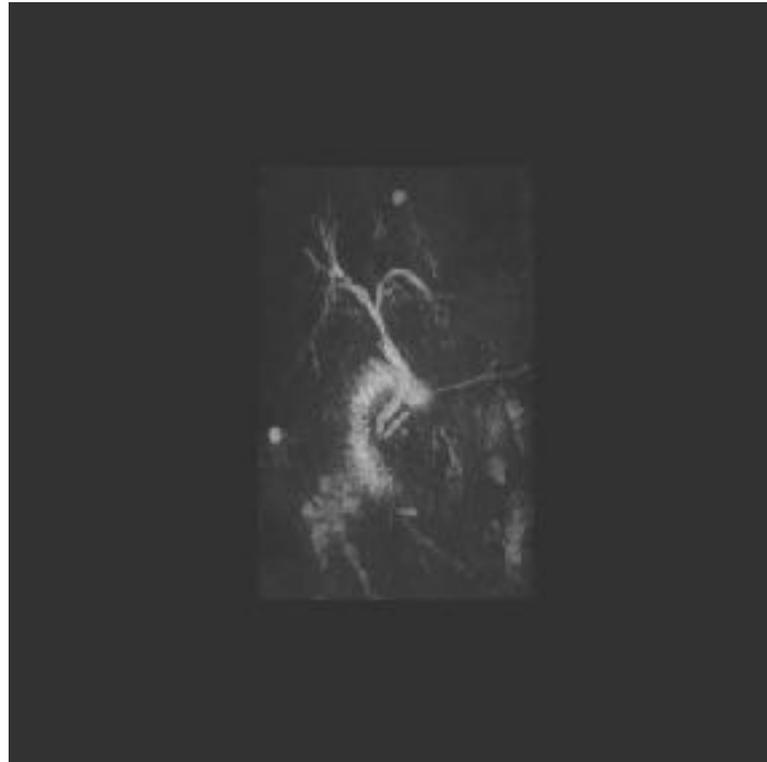
ColangioRM 3D



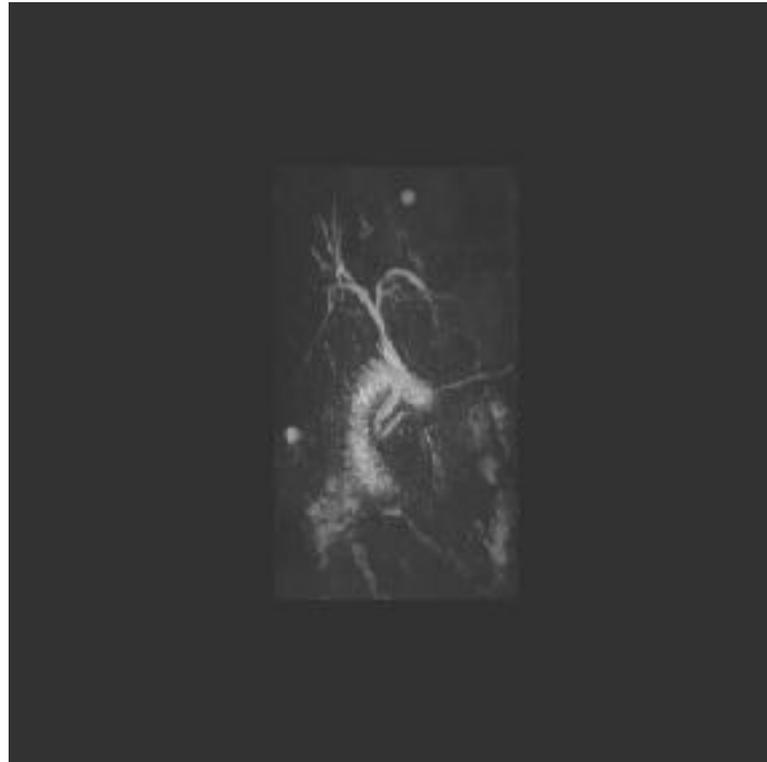
ColangioRM 3D



ColangioRM 3D



ColangioRM 3D



ColangioRM 3D



ColangioRM 3D



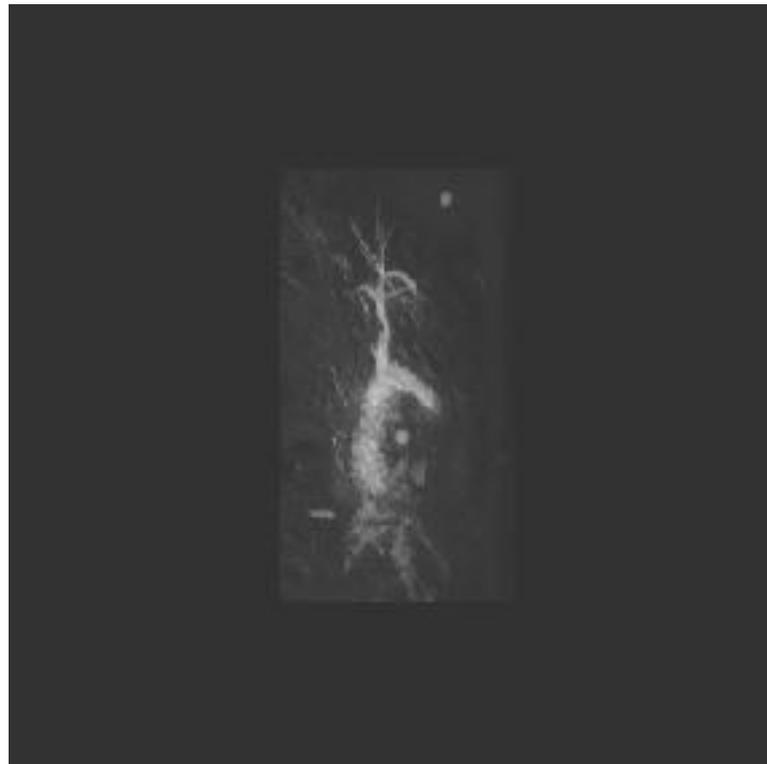
ColangioRM 3D



ColangioRM 3D



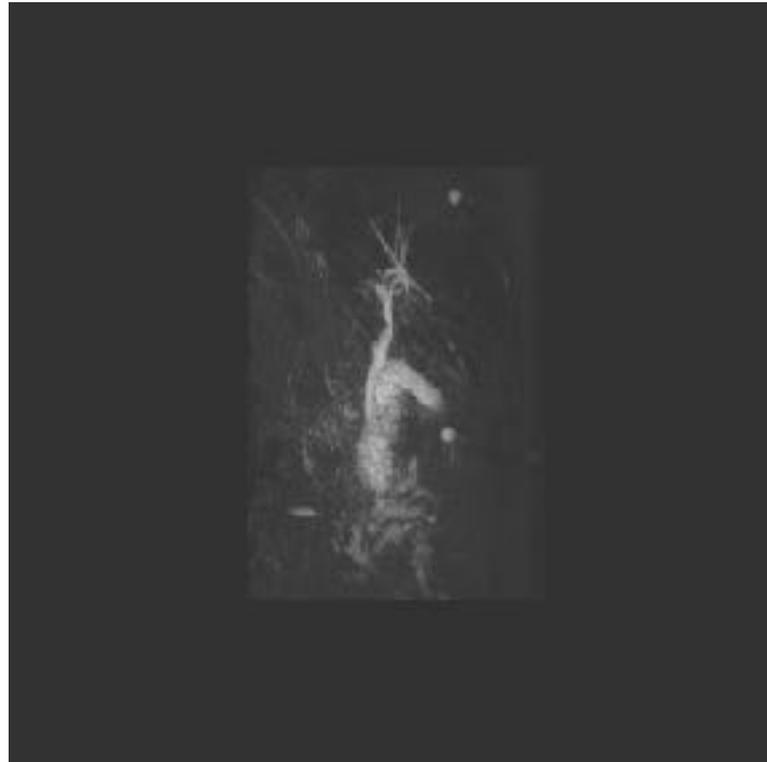
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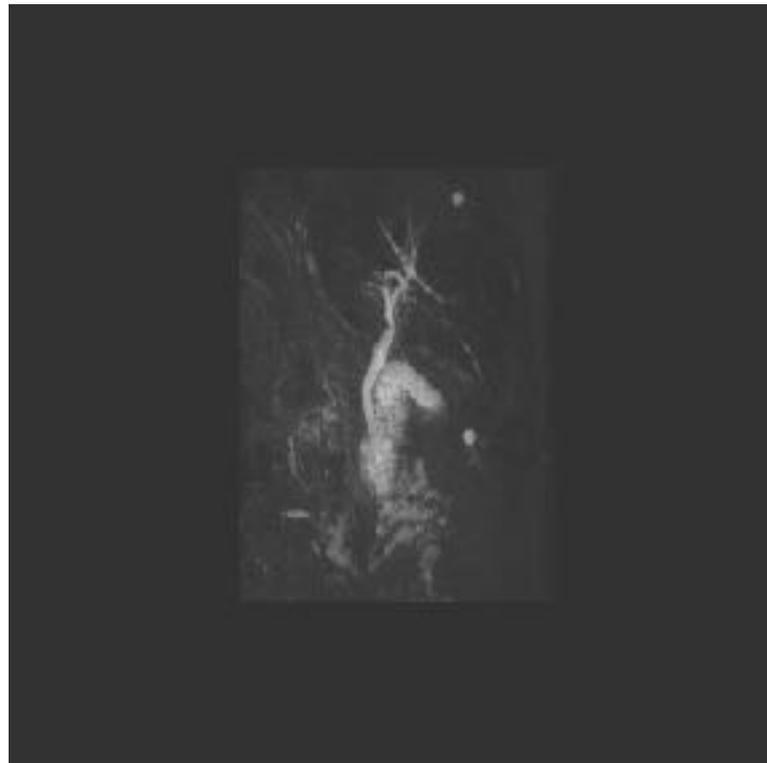
ColangioRM 3D



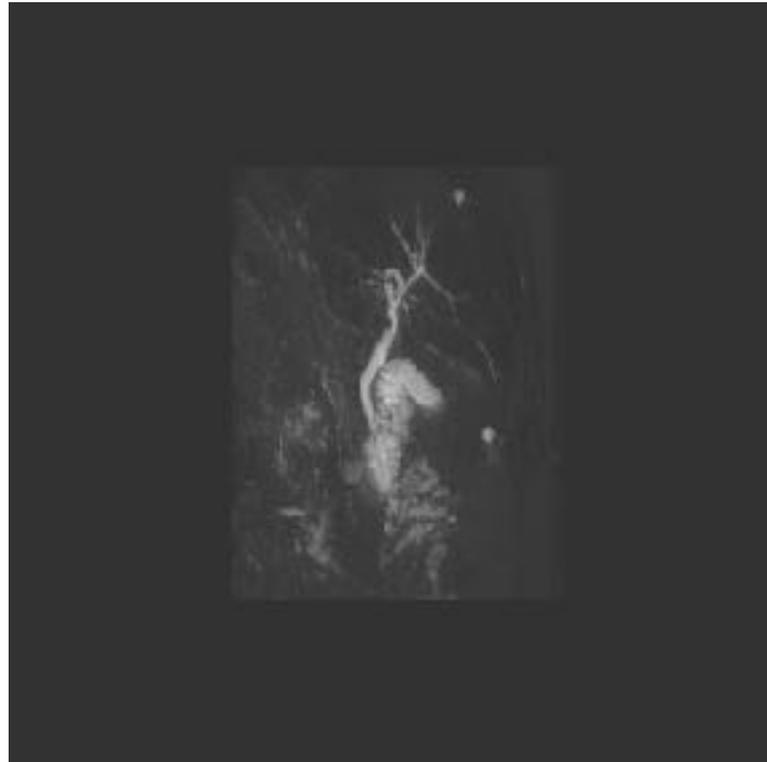
ColangioRM 3D



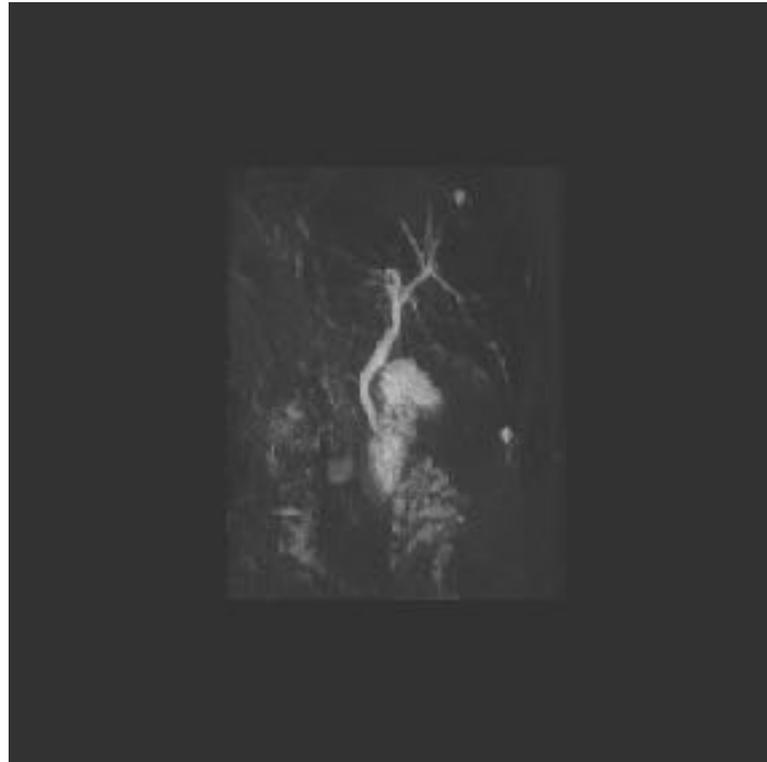
ColangioRM 3D



ColangioRM 3D



ColangioRM 3D



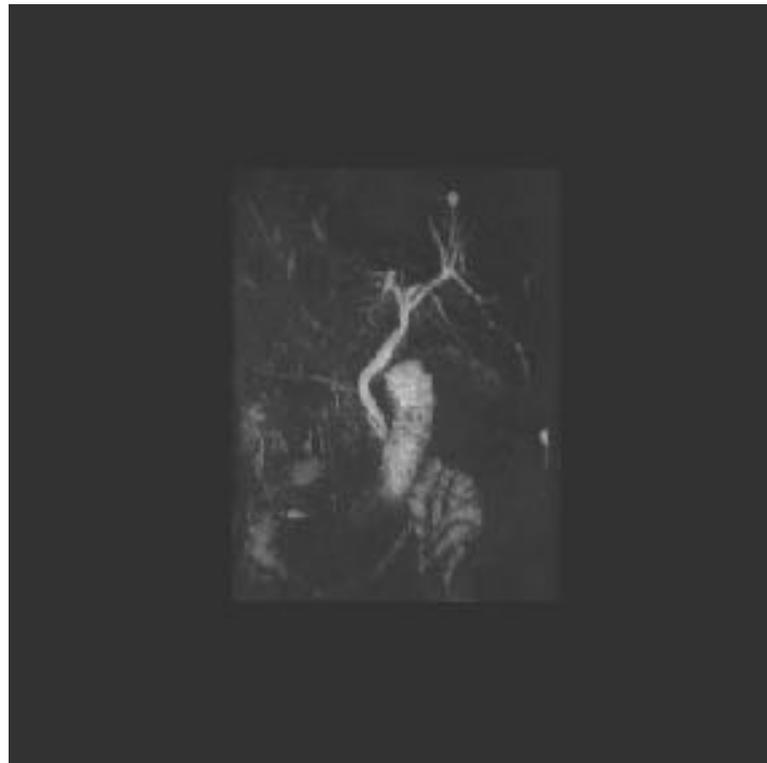
ColangioRM 3D



ColangioRM 3D



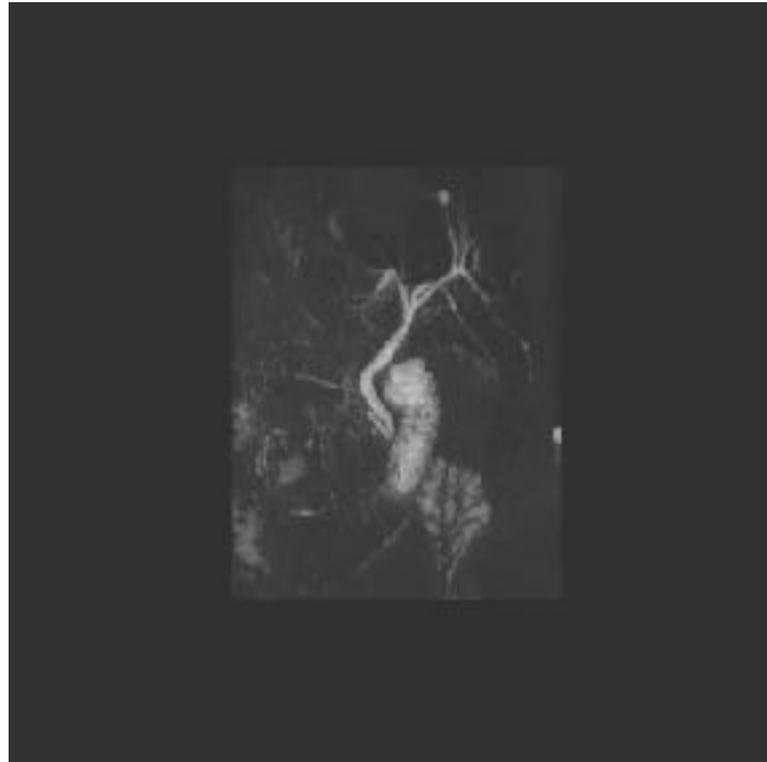
ColangioRM 3D



ColangioRM 3D



ColangioRM 3D



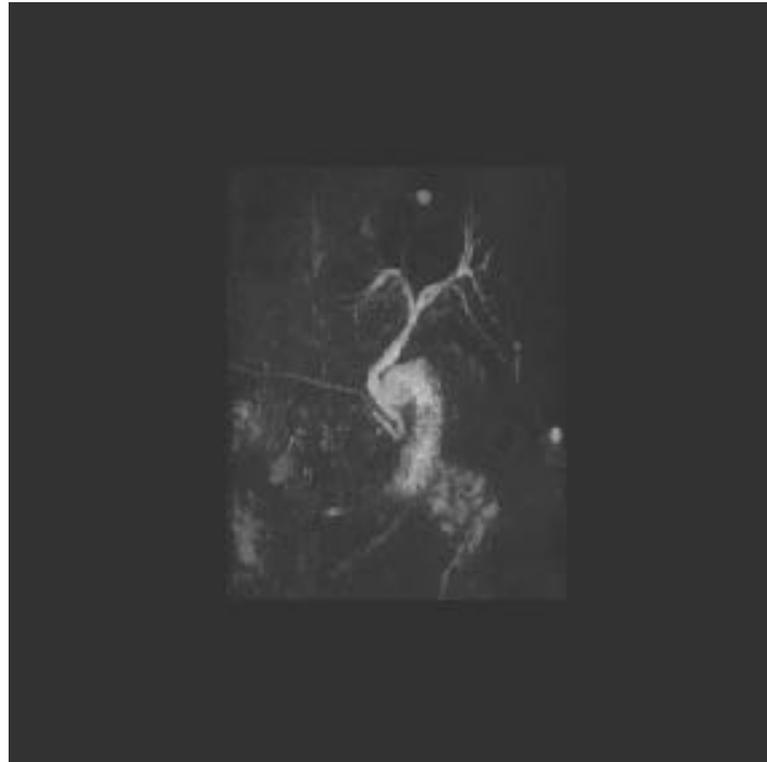
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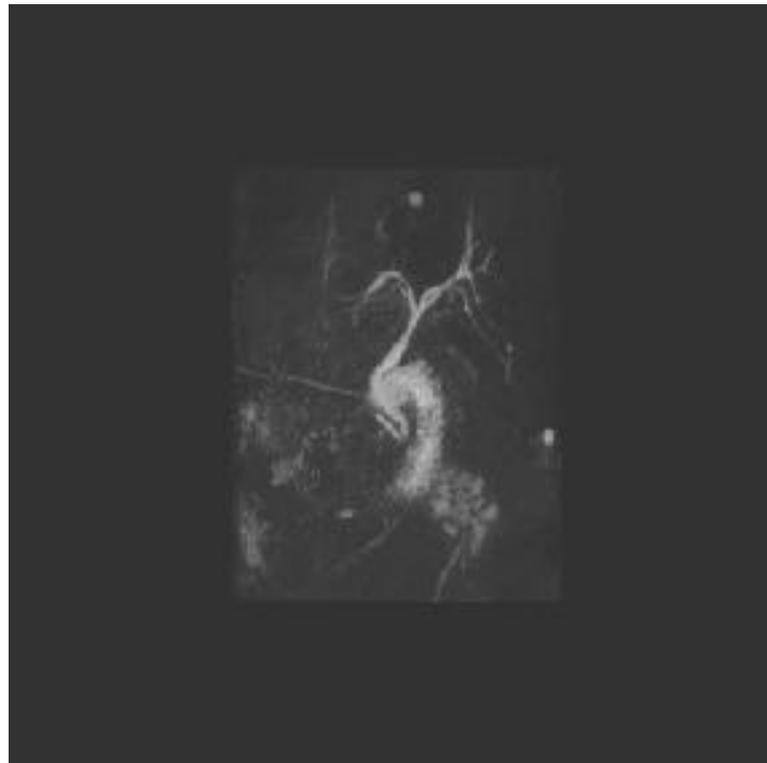
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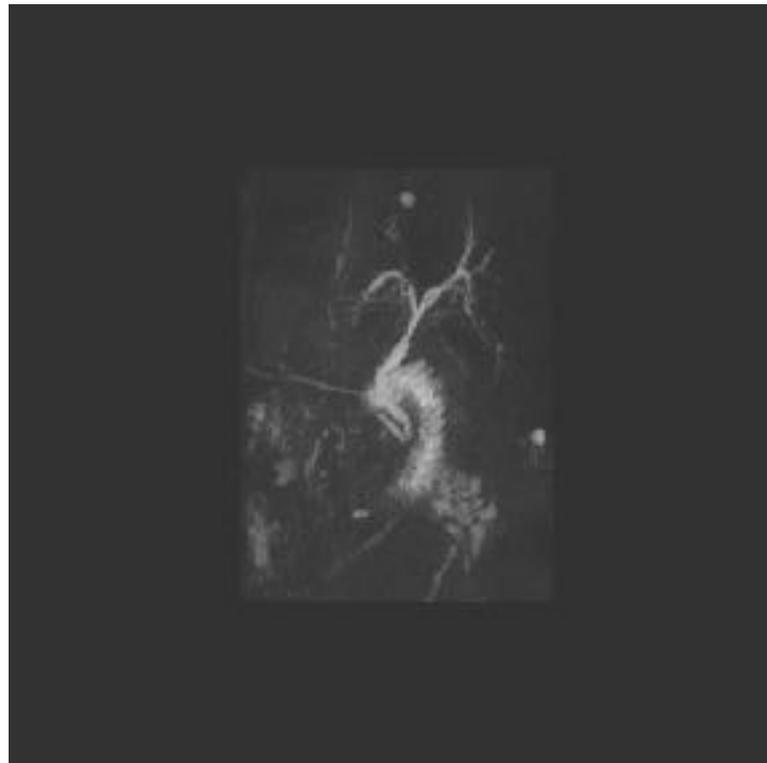
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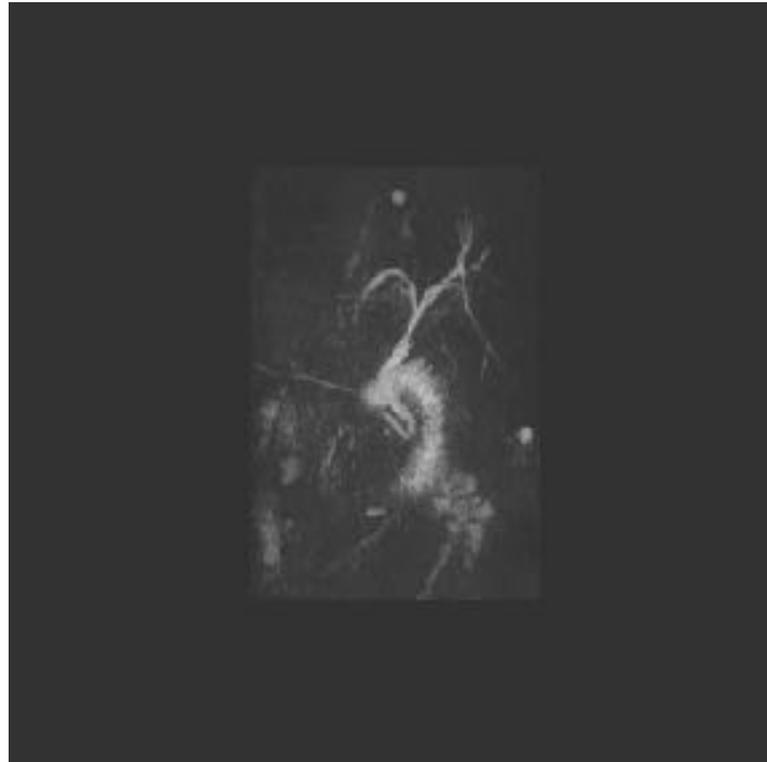
ColangioRM 3D



ColangioRM 3D

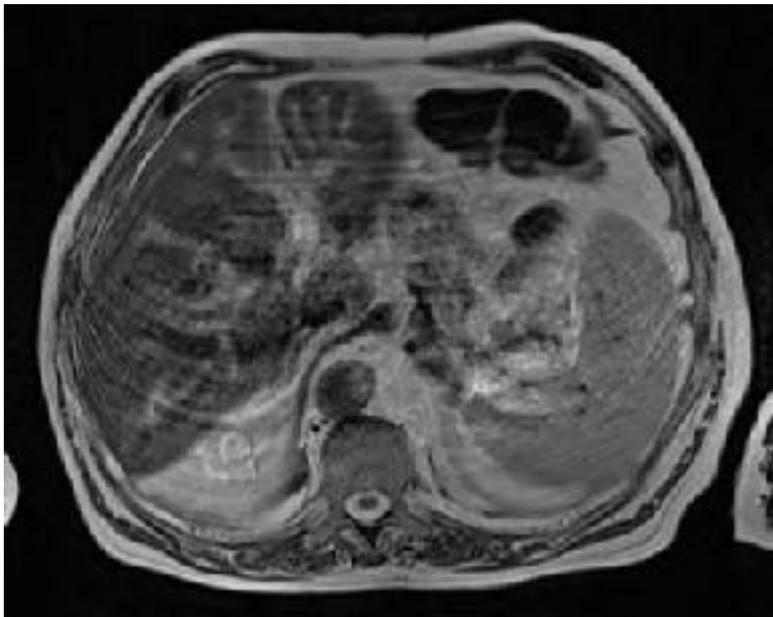


ColangioRM 3D

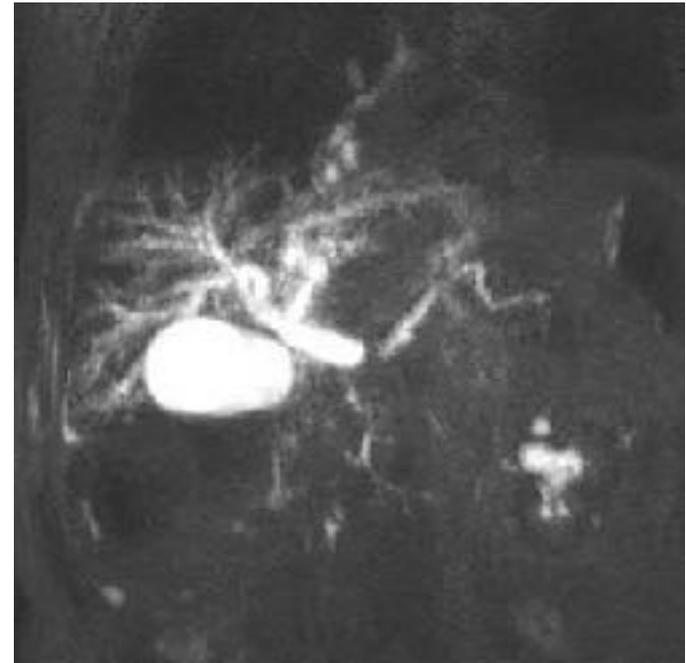


ColangioRM 3D

ARTEFACTOS



T2. Respiración

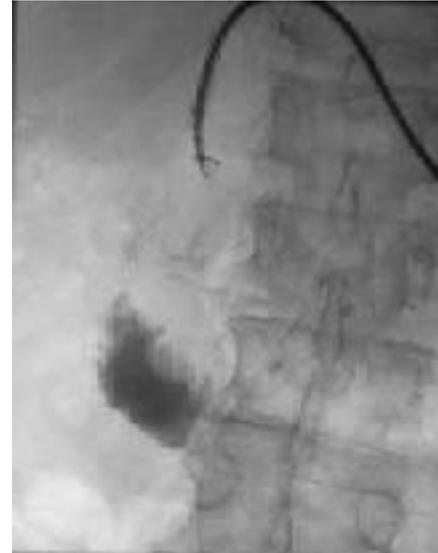


ColangioRM. Movimiento

OBJETIVOS

DIAGNÓSTICO

- TC - RM
- BAG -PAAF



RESECABILIDAD

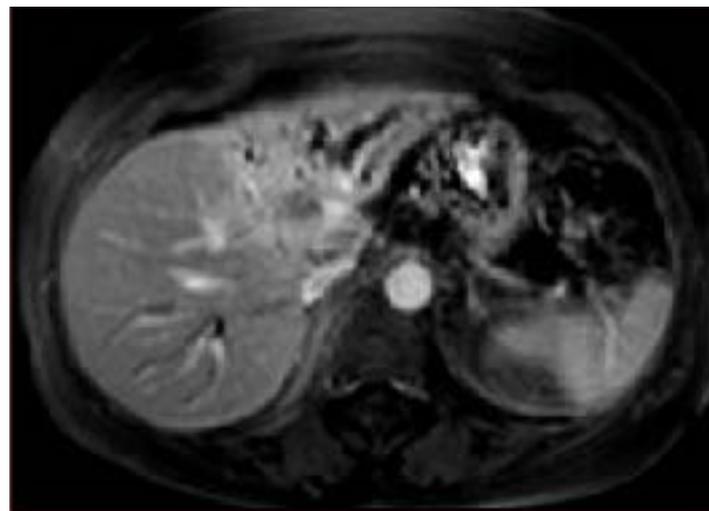
- **Afectación arterial o portal**
- **Infiltración conductos biliares secundarios**
- **Metástasis hepáticas**
- **Adenopatías**

PRESENTACIÓN RADIOLÓGICA

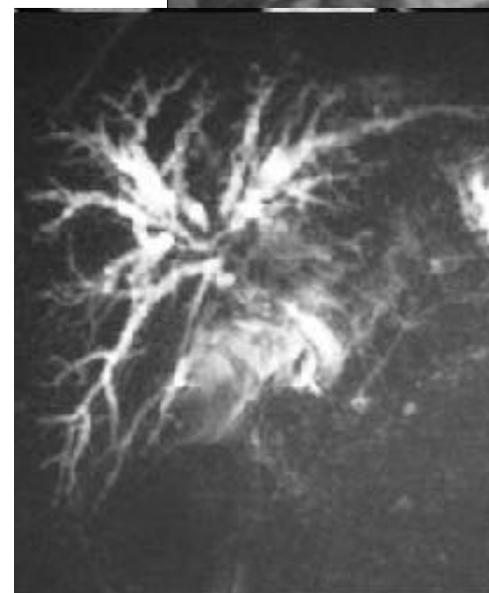
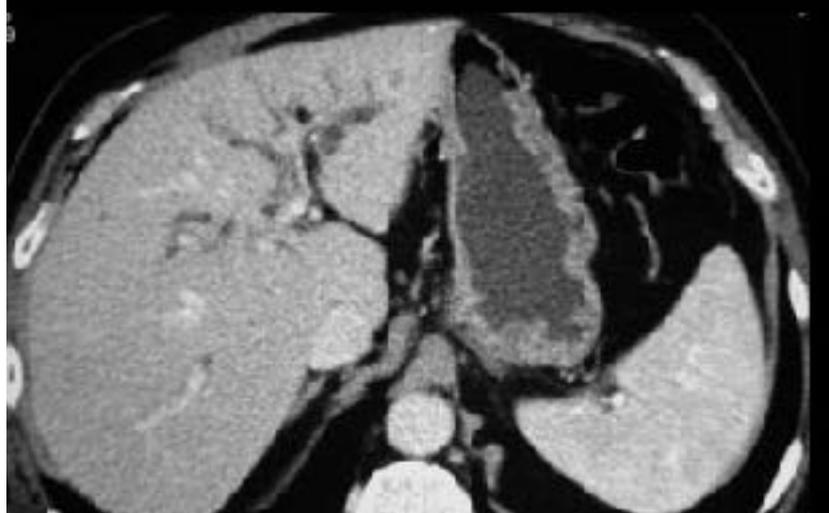
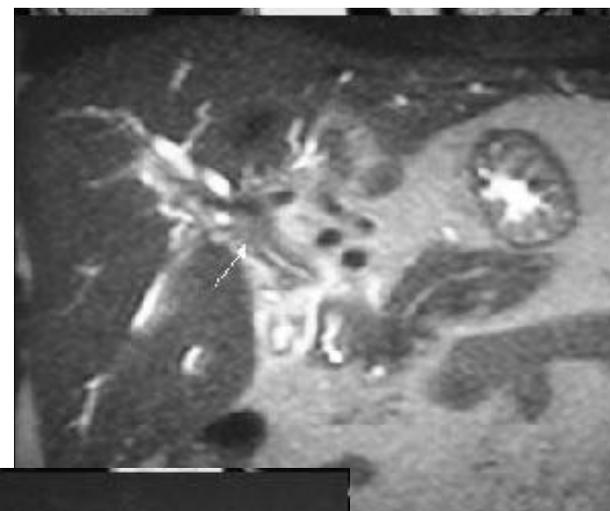
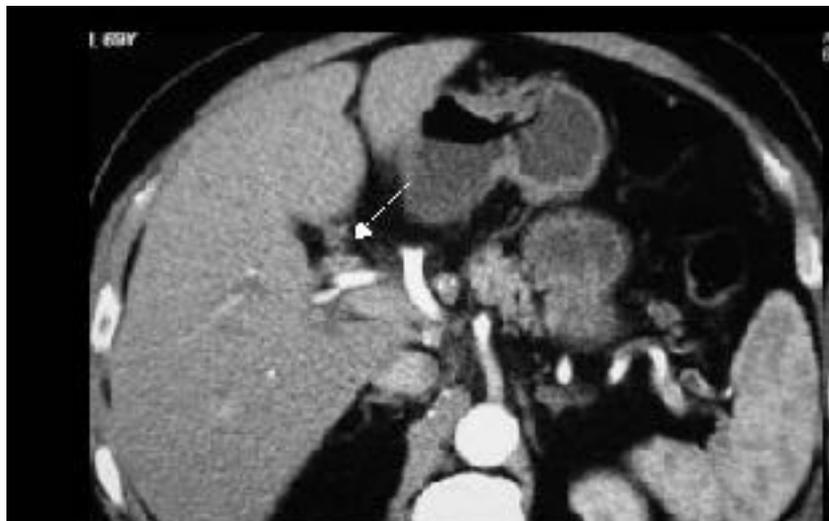
Patrones de crecimiento

- **Exofítico (periférico)**
- **Infiltrativo (tumor de *Klatskin*)**
- **Polipoideo (extrahepático)**
- **Mixto**

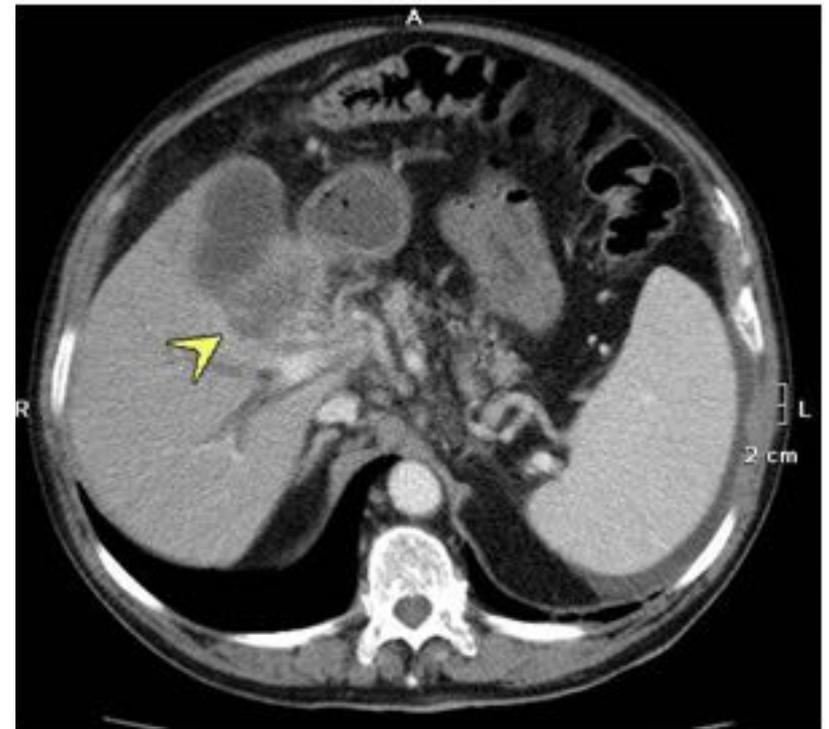
Exofítico (masa)



Infiltrativo



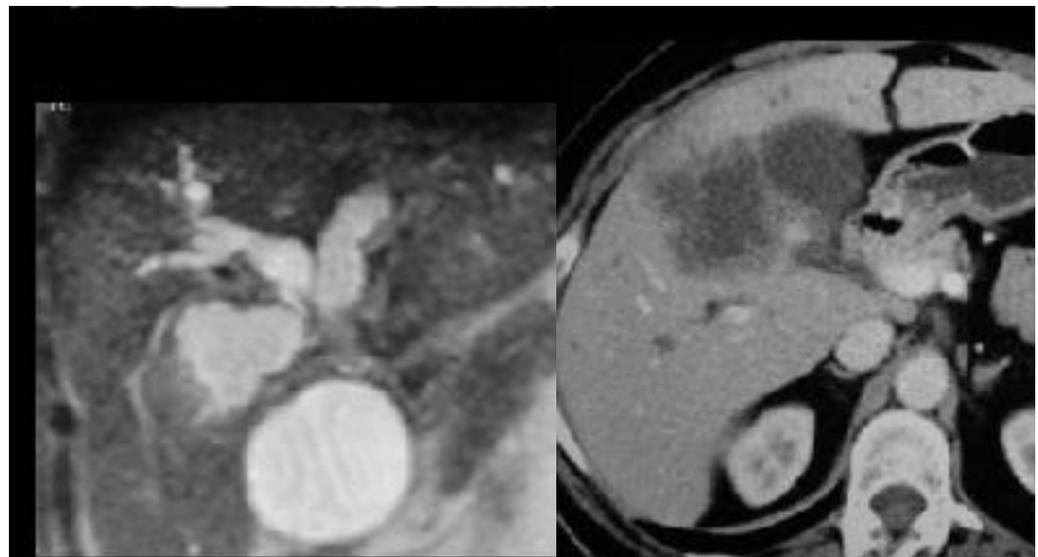
Infiltrativo



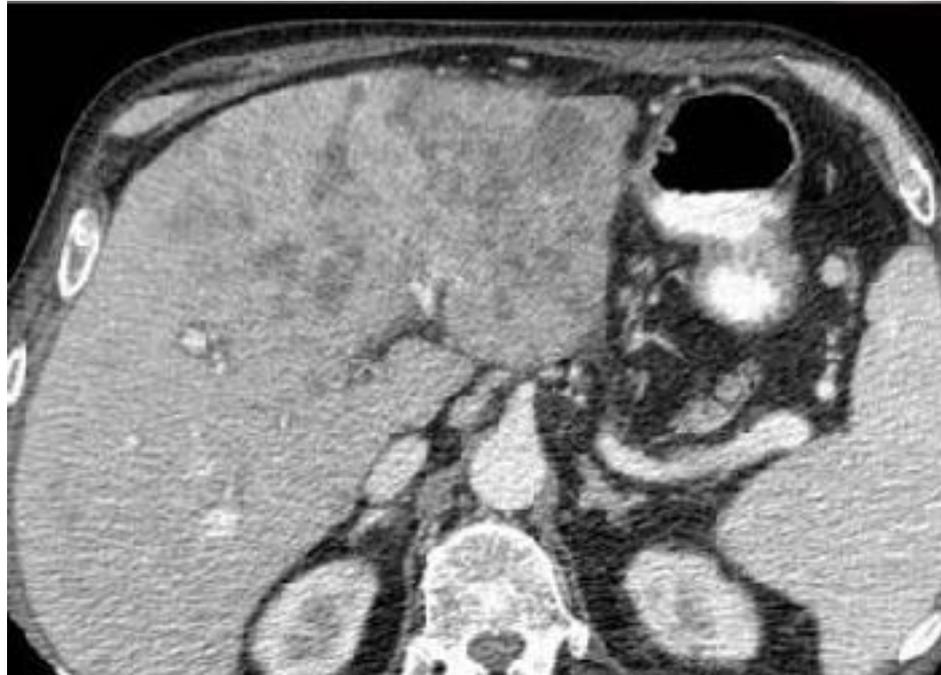
Polipoideo



Mixto



Metástasis hepáticas





¿RM o TC?

- **Experiencia del radiólogo**
- **Preferencias personales**
- **Tecnología disponible**

Perspectivas

- **ColangioRM con contrastes biliares (*gadoxetato disódico*)**
- **ColangioRM isotrópica 3D (múltiples antenas)**
- **ColangioTC con contrastes biliares**
- **TC con proyecciones de mínima intensidad**



***Sala de RM
acDI Hospital de Dénia***