

A non-invasive contrast-enhanced (intravenous injection) syngo DynaCT was deemed as the best choice due to the lack of previous conventional CT.

## Courtesy of

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# Supported by

syngo DynaCT 360

# System & Software

Artis zeego with Q technology VD10 syngo X Workplace VC10

# **Case Description**

#### Patient history

48-year-old female patient; liver cirrhosis.

#### Diagnosis

Ascites and portal hypertension with esophageal varices and bleeding.

Treatment

## TIPS procedure.

Due to a missing preprocedural contrast enhanced CT study, a syngo DynaCT 360 with intravenous contrast injection was performed to evaluate patency of portal vein.

Visualization of right portal vein to plan intervention.

#### **General comments**

Portal vein patency is crucial for TIPS procedure. Therefore a non-invasive contrast-enhanced (intravenous injection) *syngo* DynaCT was deemed as the best choice due to the lack of previous conventional CT.

### Tips and tricks

syngo DynaCT 360 offers more coverage compared to conventional cone-beam CT to evaluate portal vein, hepatic vein and other vascular structures in the abdomen.



# syngo DynaCT with IV injection used for TIPS planning

Acquisition protocol	6s Large Volume 360°
Injection protocol	
Catheter position	Antecubital vein
Contrast medium (CM)	370 mg iodine/mL
Dilution (CM/Saline):	No
Injection volume	80 mL
Injection rate	3 mL/s
Duration of injection	26.6 s
X-ray delay	40 s
Power injector used	Yes
Reconstructions	Primary
Name	DynaCT Body Nat Fill HU
VOI size	Full
Slice matrix	512×512
Kernel type	HU
Image characteristics	Normal
Reconstruction mode	Nat Fill
Viewing preset	DynaCT Body

# **Clinical Images**

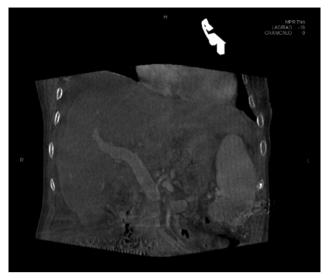


Figure 1: MPR thin coronal portal vein<sup>1</sup>

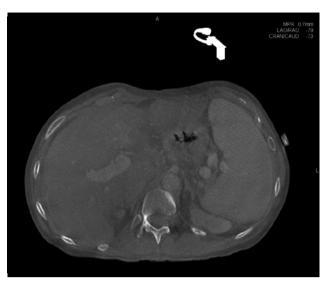


Figure 2: MPR thin axial right portal vein<sup>1</sup>

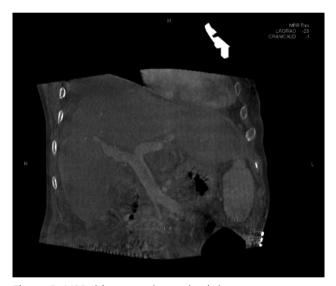


Figure 3: MPR thin coronal portal vein<sup>1</sup>

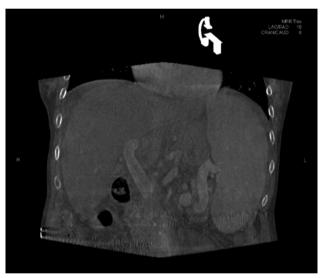


Figure 4: MPR thin coronal splenic vein and collaterals<sup>1</sup>

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91052 Erlangen, Germany Phone: +49 9131 84-0 siemens-healthineers.com <sup>1</sup> Artifacts visible due to ruler taped to patient skin.

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