

Selective Pulmonary Artery Chemoembolization

Supported by Large Volume syngo DynaCT

Courtesy of Thomas J. Vogl, M.D.
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“We use Large Volume syngo DynaCT in more than 70% of our interventions. It helped us to become faster and more precise and to improve the overall workflow for our department and the patient.”

Prof. T. Vogl, M.D., Head of Diagnostic and Interventional Radiology, University of Frankfurt, Germany

Patient history

56-year-old male

Diagnosis

Left lung metastases

Treatment

The metastases in the left lung originated from colorectal carcinoma. Selective left pulmonary chemoembolization was performed by using a 5 French pigtail catheter.

Examination protocol

Primary reconstruction

Mode	DynaCT Full HU Normal
Matrix	512 x 512

Contrast medium injection parameters

Quantity	75 cc
% Contrast (dilution with saline)	33 %
Injection rate	3 cc/sec.
Injection duration	25 sec.
X-ray delay	1 sec.
Catheter type/size	5F Pigtail catheter
Injection site	pulmonary artery
Iodine concentration	320 mg/cc

Viewing and post-processing

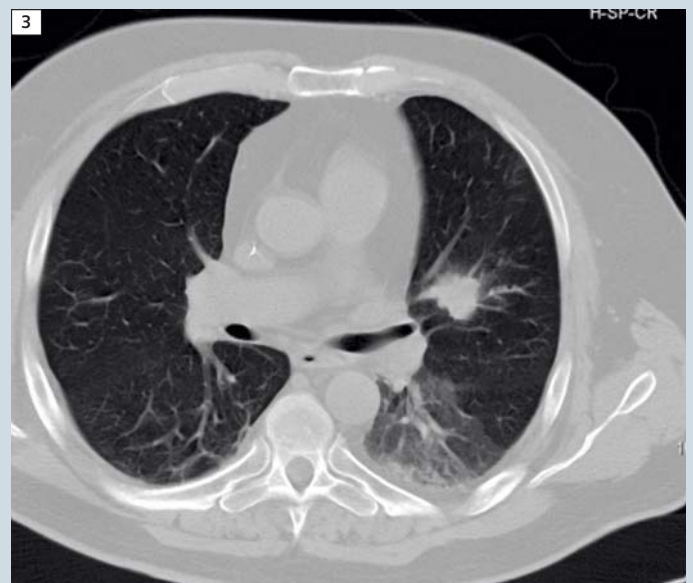
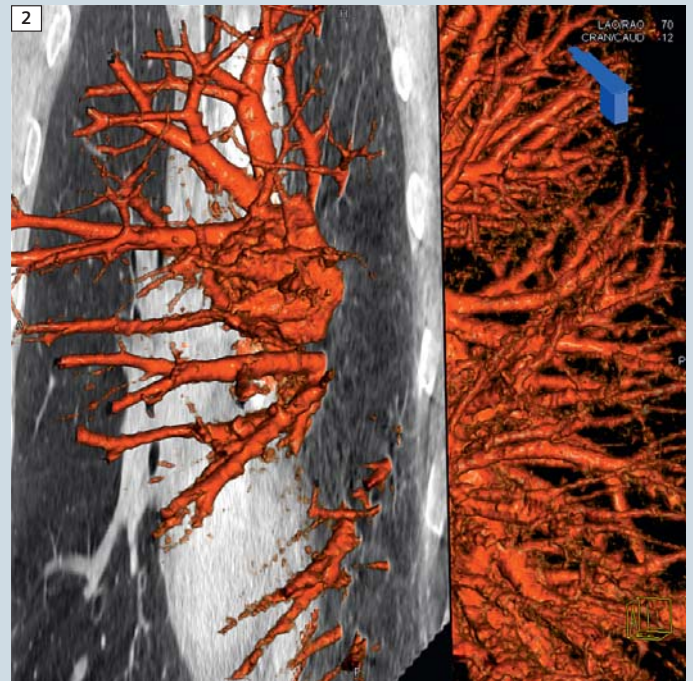
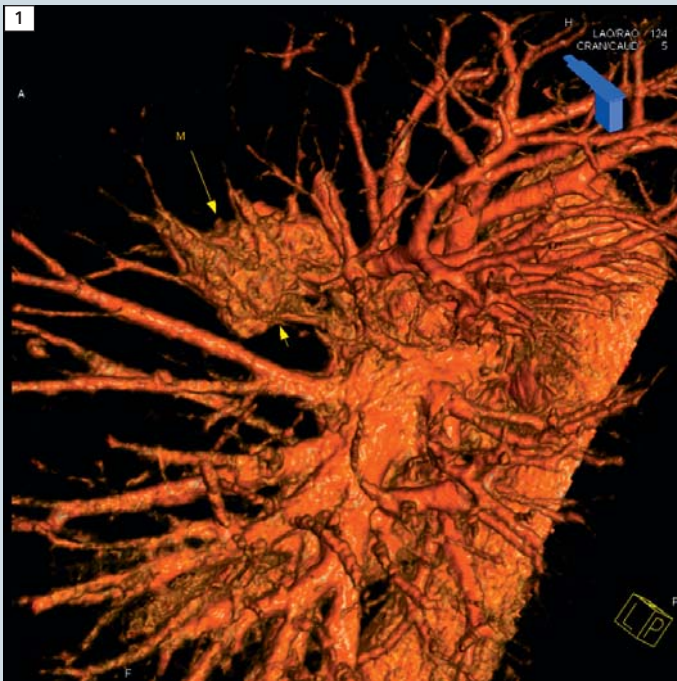
VRT	yes
MPR	yes
Slice thickness	0.7 mm
Window levels	W1200 / C600

Secondary reconstruction

Mode	DynaCT
VOI	manual
Slice matrix	512 x 512
Kernel	EE
Image characteristics	sharp

Contact

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1 syngo InSpace 3D shows the tumor with its feeding arteries.

2 Embedded MPR visualization of the pulmonary tumor with surrounding vessels.

3 MPR slice of syngo DynaCT