

Artis zee – Study Protocol

# Prostatic artery embolization

Interventional Radiology

## Supported by\*

- *syngo* InSpace 3D
- *syngo* DynaCT
- *syngo* DynaCT 360
- *syngo* InSpace 3D/3D Fusion
- *syngo* iPilot enhanced
- *syngo* iGuide Toolbox
- *syngo* iGuide
- *syngo* Neuro PBV IR
- *syngo* DynaPBV Body
- *syngo* Embolization Guidance
- *syngo* iFlow
- *syngo* Advanced Roadmap
- *syngo* iIdentify

## Courtesy of

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## System & Software

Artis zee ceiling VC21  
*syngo* MMWP VE52

*\*This list of applications is not complete. Not all applications available for all software versions.*

## Case Description

### Patient History

66-year-old man; benign prostate hyperplasia with major dysuria.

### Diagnosis

Prostate volume 90 cm<sup>3</sup> PSA < 3.

### Treatment

Embolization of benign prostate hyperplasia.

### Tips and Tricks

Fusion of MRI data can save dose, because a *syngo* DynaCT run in low-dose setting is sufficient.

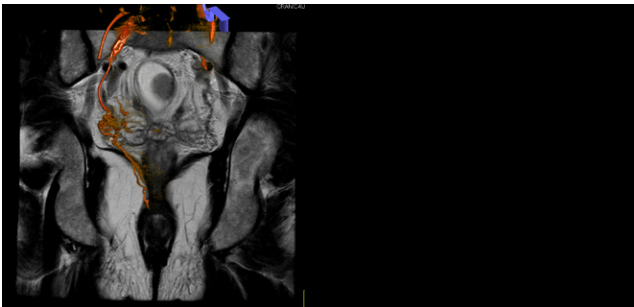
*syngo* Embolization Guidance provides guidance to the target vessel, thus saving time, contrast media and fluoro time as well as dose.

A *syngo* DynaCT run in low-dose setting is sufficient quality as the soft tissue information is available from pre-interventional MRI.

No *syngo* DynaCT run with higher dose needed.

## Prostatic artery embolization

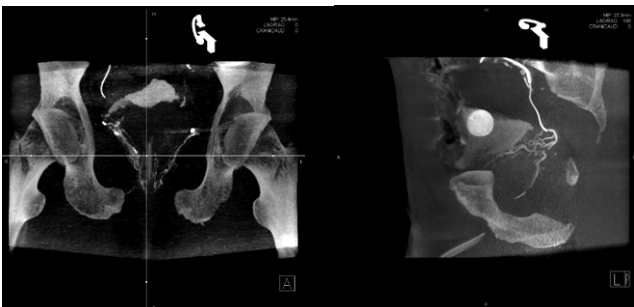
Acquisition Protocol	5sDCT Body Care	Reconstruction Protocol	DynaCT Body Nat Fill HU Normal
<b>Injection Protocol</b>		VOI Size:	Full
Contrast Media (CM):	350 mg Iodine/ml	Slice Matrix:	512X512
Dilution (CM:Saline):	50%/50%	Kernel Type:	HU
Injection Volume:	5 ml	Image Characteristics:	Normal
Power Injector Used:	No	Reconstruction Mode:	Nat Fill
Injection Rate:	~1 ml/s	Viewing Preset:	DynaCT Body
Duration of Injection:	5 s	<b>Secondary Recon</b>	<b>No</b>
X-ray Delay:	No		
Catheter Position:	Prostatic Artery		



MRI image fused with *syngo* DynaCT volume (low-dose setting). Visualization in embedded MPR mode.



Store fluoro with *syngo* iPilot overlay of *syngo* Embolization Guidance centerlines.  
Protocol: Fluoro normal



Thick MIP 48mm  
Frontal, sagittal and transversal view of pelvic vessels out of *syngo* DynaCT volume (low-dose setting).

The statements by Siemens' customers presented here are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption), there can be no guarantee that other customers will achieve the same results.

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