

Treatment of Atrial Fibrillation

Supported by syngo DynaCT Cardiac

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Patient History

76-year-old woman, fainting rapidly on exertion. The patient reports angina and palpitations. A thromboembolic event occurred 4 years ago. Paroxysmal AF has been documented in Holter ECG.

Diagnosis

Paroxysmal atrial fibrillation and hypertension.

Treatment

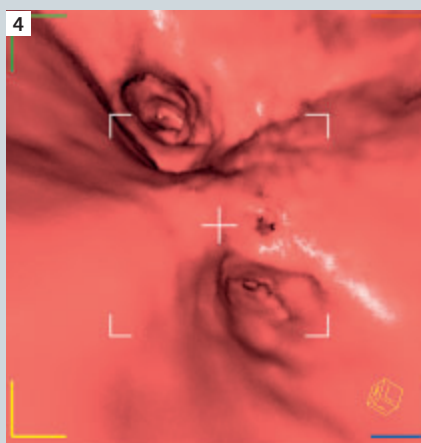
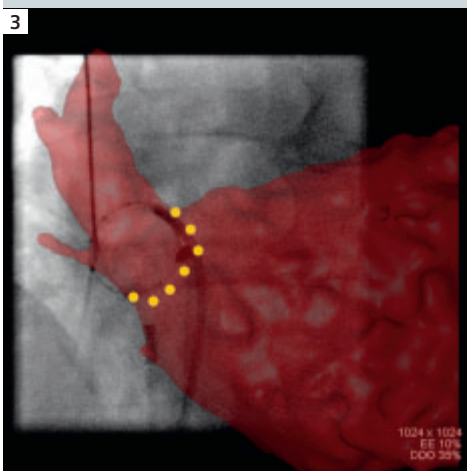
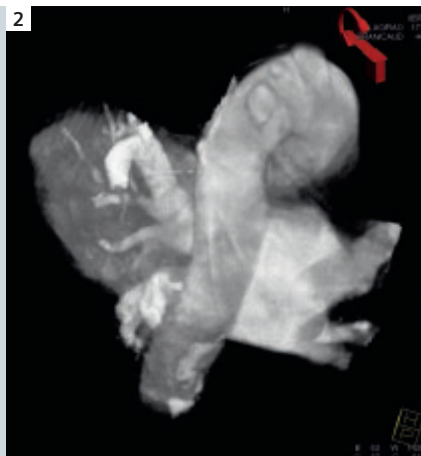
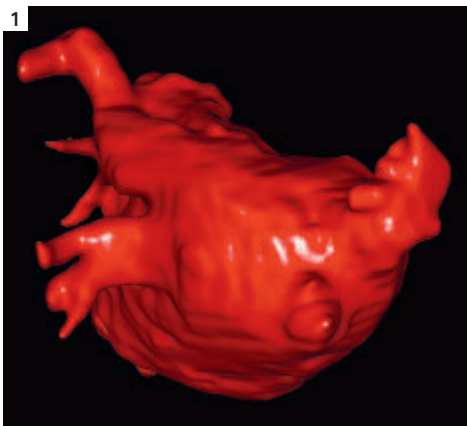
Pulmonary vein isolation was performed in a lasso and intracardiac echocardiography-guided mode. Additionally, 3D reconstruction of syngo DynaCT Cardiac was integrated into fluoroscopic views, which facilitated navigation in the left atrium of both lasso and ablation catheter. All pulmonary veins could be isolated successfully and no complications occurred.

Comments

syngo DynaCT Cardiac provides an additional intra-procedural imaging modality which we will use for all future cases of PVI. It facilitates navigation and therefore should avoid complications and reduce procedure time.

Contact

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1 Automatic LA-Segmentation.

2 VRT of the LA including aorta and LV.

3 Fusion of 3D segmentation and live fluoro.

4 Endoscopic view of the right PVs.