

ABLATION OF MITRAL ISTHMUS-DEPENDENT ATRIAL FLUTTER USING INTEGRATION OF REAL-TIME ELECTROANATOMIC MAPPING WITH THREE-DIMENSIONAL COMPUTED TOMOGRAPHY.

Summary by Ericka Weeks

**Dukkipati S, Holmvang G, Ruskin J, Mansour M.
Cardiac Arrhythmia Unit, Massachusetts General Hospital,
Harvard Medical School, Boston, MA.**

This case report highlights use of the CARTO™ XP System and the CARTOMERGE™ Image Integration Module to successfully guide ablation of recurrent atrial flutter. The authors discuss the methodology of integrating a preprocedural three-dimensional computed tomographic picture of the left atrium with real-time electroanatomic mapping. They first created a real-time electroanatomic map of the left atrium with the CARTO™ XP System. Integration of the computed tomographic picture of the left atrium was performed with the CARTOMERGE™ Module by registering corresponding anatomic points in the aorta. According to the authors, the resulting image allows navigation of the ablation catheter in a "three-dimensional anatomically accurate environment."

The activation map of the left atrium during atrial flutter is shown in both the right and left anterior oblique views. After confirming the location of the reentrant circuit, ablation of the mitral isthmus resulted in termination of the patient's atrial flutter.

Heart Rhythm. 2006 Jan;3(1):124



Biosense Webster, Inc.
3333 Diamond Canyon Road
Diamond Bar, CA 91765
Tel: 909-839-8500
Tel: 800-729-9010
Fax: 909-468-2905

www.biosensewebster.com