

Electroanatomical maps of the heart in the athletes

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SUMMARY

The CARTO™ system is a new, non fluoroscopic method for mapping designed of associating a specific intracardiac electrocardiogram with the endocardial location from which it has been recorded. Thus for the first time, the CARTO™ system allows precise correlation of electrophysiological information with cardiac anatomy. It acquires, through a special catheter, and then displays on its computer screen, the precise three-dimensional electro-anatomical maps of the different cardiac chambers. The maps are constructed by integrating information from recorded intracardiac electro-grams with knowledge of their precise anatomic location within the heart. The method is based on the ability to connect a new locatable catheter with a system for endocardial navigation and mapping.