Electroanatomical maps of the heart in the athletes

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SUMMARY

The CARTOTM 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 CARTOTM 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.