



EMBARGOED UNTIL 20th NOVEMBER 2022 1730HRS SGT

Tools in Development - Mapping the future

Context:

The comparative ability of mapping systems Wilson Central Terminal (WCT) and Close Unipolar Electrograms (CUE) to localize lines of conduction block and identify ablation line gaps is uncertain.

Summary:

Compared to conventional WCT unipolar electrograms, CUE significantly reduce far-field potentials and provide more accurate timing annotation based on maximum negative dV/dt in the areas of low voltage with complex atrial potentials. Close unipolar electrogram activation maps accurately identify: location of lines of block and gaps(s) along the ablation line, and complex re-entrant circuits and narrow arrhythmogenic channels (i.e., ideal ablation sites) in patients with complex atrial tachycardia.

Message:

“Real-time propagation vectors effectively provide local activation directions with relative conduction velocity, allowing rapid recognition of conduction block, a gap in the ablation line and slow conduction areas within the re-entrant circuit,” shared Professor Hiroshi Nakagawa.

Session details:

Symposium – Making the Best of Mapping Technologies: Saturday 19th November 2022 2.15pm-3.25 pm SGT

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