EMBARGOED UNITL 18th NOVEMBER 2022 1800HRS SGT

Conduction system pacing: Is conduction system pacing for everyone who requires pacing?

Context:

Conduction system pacing has been rapidly gaining popularity in the recent years, especially that of left bundle branch area pacing (LBBP). This is because there is abnormal activation and hence subsequent left ventricular dyssynchrony in conventional right ventricular pacing, resulting in detrimental effects like pacing-induced cardiomyopathy and atrial fibrillation. Three trials presented at the Heart Rhythm 2022 in San Francisco focused on the role of LBBP in patients with heart failure and even sparked interest on whether LBBP could be better than conventional biventricular pacing in cardiac resynchronization therapy (CRT). The question is - then why not LBBP everyone then?

Summary:

Strong evidence in conduction system pacing is currently still lacking in certain areas like the pediatric population, in sick sinus disease, intermittent atrioventricular block, as part of conventional cardiac resynchronization therapy, as well as post lead extraction. Limiting factors need to be recognized: patient factors like atypical bundle branch blocks, dangerously ill patients, as well as technical factors: a specific lab set up, cost as well as the length of time to perform the procedure. Nonetheless, there has been increasing evidence, both observational and recently even small randomized controlled trials studying the role of LBBP in various populations. The future for CSP is exciting and appears to be gaining steam especially in heart failure.

Message:

Is CSP for everyone? “May be in the future? CSP is emerging as a physiological way of pacing and a viable bail out strategy when the coronary sinus (CS) lead is sub-optimal. However, perhaps we should tread with caution for now! “ – Dr Ulhas Pandurangi from India.

Session details:

Symposium 2: Conduction System Pacing 101 - : Friday 18th November 2022 4.30-5.40 pm SGT

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