

Experience in ablation of outflow tract PVC using 3D mapping system at Yangon General Hospital

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Introduction : After installation of 3 D mapping system in June 2015, a step forward to the mapping and ablation of outflow tract PVC was enabled. The overall success rate was studied to recollect our experience.

Methods : A total of 219 patients with outflow tract PVC (including 11 patients with non-sustained VT) who underwent EPS and RFA using 3D mapping system (Ensite Precision) between June 2015 and May 2023 were retrospectively studied through case records.

Findings

Total number of patients - 219 patients (Female 82.6 %)

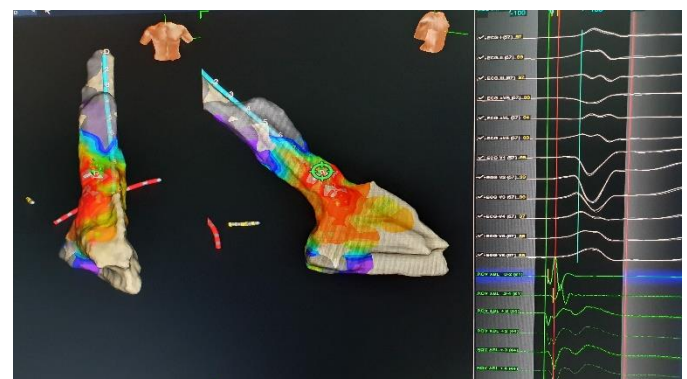
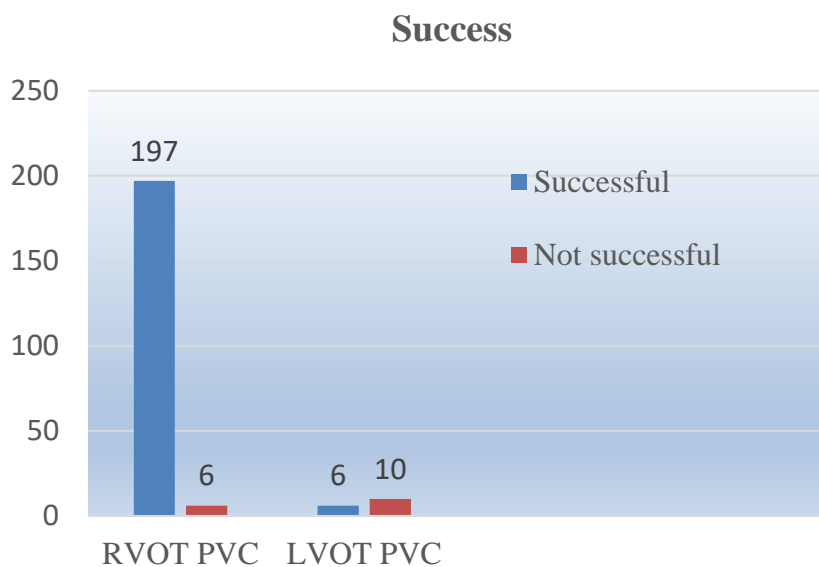
More prevalent age group – 41 to 60 years (52.5 %)

The youngest – 13 years , the oldest – 70 years

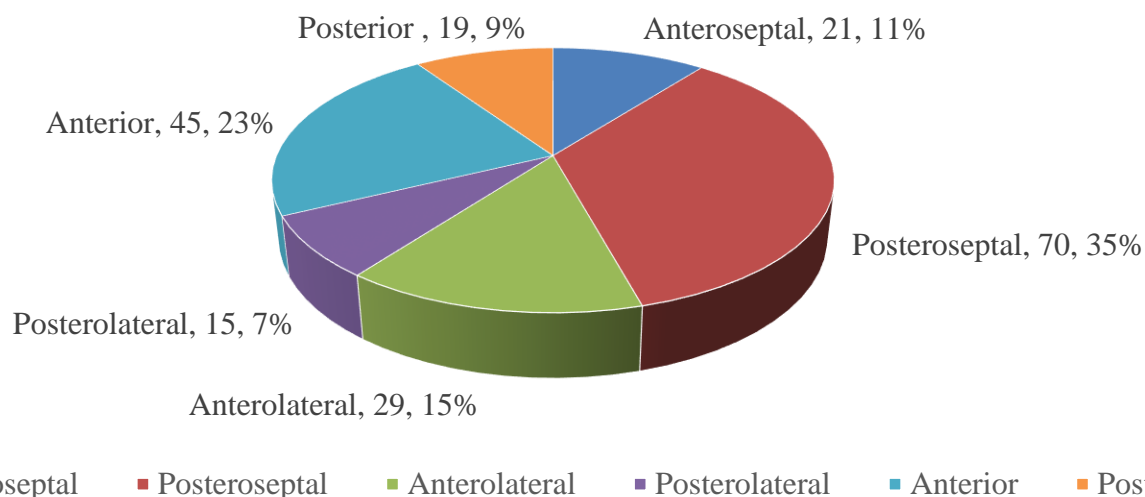
RVOT PVC – 203 patients (92.7 %)

LVOT PVC -13 patients (7.3 %)

Overall acute success rate of RVOT PVC ablation – 90 %



Site of origin



Conclusion : As a tertiary referral center for EPS and RFA, the ablation of RVOT PVC with 3 D mapping system has high success rate comparable with other high volume centers. High success rate may be related to selectively choosing RVOT PVC cases for procedure. Extensive mapping and ablation of left ventricular outflow tract PVC need to be improved further.