Prevalence of brugada syndrome in 2 heart centres in Malaysia; our current data

Introduction: Brugada syndrome carries a devastating outcome. We aimed to establish the prevalence of brugada sign by ECG criteria (type I, 2 & 3) & syndrome at 2 heart centres; Hospital Sultanah Bahiyah Heart centre & Queen Elizebeth II Hospital, Sabah Heart centre.

Methods: Patient presented with ECG changes fulfilling criteria of brugada type I, 2 & 3 were included in the study beginning 5th September 2017 until 23rd June 2019.

Result: Total of 35 patients met the inclusion criteria (mean age 42.1, 97.2% male). The 12-lead ECGs of these patients were reviewed and clinical information was recorded. There were 14 patients with type 1 ECG (40%), 17 patients with type 2 ECG (48.57%) & 4 with type 3 ECG (11.43%). Only 6 consented for provocation test; 5 use flecanide & 1 uses ajmaline as agent respectively. There were 4 positive provocation tests; all uses flecanide & all subsequently undergone ICD implantation.

Conclusion: Our data may not reflects true prevalence of brugada syndrome in Malaysia. National Multicentre collaboration will give elicit better picture of true prevalence.