Efficacy and outcome of radiofrequency catheter ablation among arrhythmia with congenital heart disease: Ramahibodi experience

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Introduction: In Thailand, the radiofrequency catheter ablation among arrhythmia with congenital heart disease was limited.

Methods: The retrospectively study with symptomatic arrhythmic congenital heart disease for catheter ablation procedure during 1 January 1996 until 31 December, 2017. Clinical data, ablation procedure were classified.

Result: The congenital heart disease among arrhythmia in Ramathibodi hospital 29 patients. There were male 11 (37.9%) patients, mean age 36.3 years old, ASD 10 (34.5%) patients and Ebstein's anomaly 9 (31.0%) patients, respectively. The efficacy of treatment 95.1%. The most common arrhythmia were AVRT 12 (41.4%) patients and atrial fibrillation 6 (20.7%) respectively. The complication was AV block 2 (6.9%) patients.

Conclusion: Catheter ablation was effective treatment and low complication for arrhythmia congenital heart disease.