

Chaotic Atrial Tachycardia in a 2-Month-Old Baby

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Case Report

We report the case of a 2-month-old baby, resulting from a full-term pregnancy, without notion of neonatal suffering or consanguinity.

The history backs to 15 days before its hospitalization when their parents had observed an isolated respiratory discomfort.

At admission in department emergency, the baby was tonic, reactive, pink, with a weight at 5.2 Kg, blood pressure at 85/50 mmHg and heart rate at 220 bpm. Cardiac auscultation finds normal heart sounds with an accelerated heart rate. There are neither murmurs nor adventitious sounds. The pulses are present bilaterally and symmetrically and he had no signs of heart failure.

Electrocardiogram (ECG) records atrial tachycardia at 220cpm. The P waves are polymorphic and irregular with variable conduction (RR intervals are irregular). The axis is normal and the QT interval is at 0.28 (Figure 1).

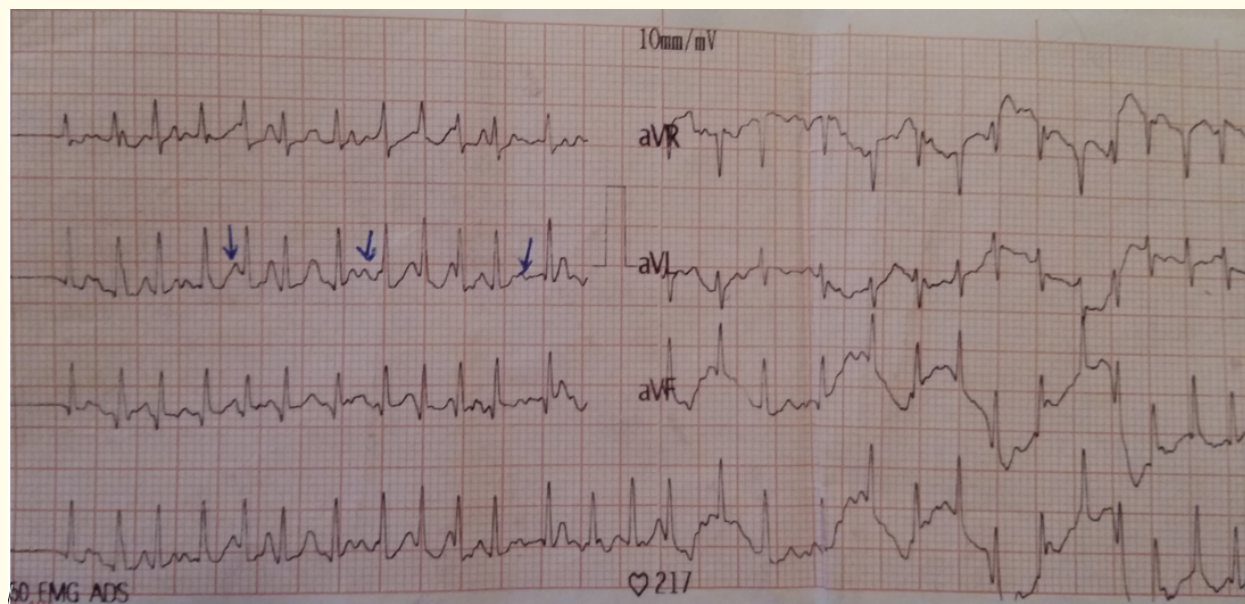


Figure 1: Electrocardiogram records atrial tachycardia at 220cpm with variable conduction. The P waves are polymorphic and irregular.

Transthoracic echocardiography shows cardiac cavities of normal size and function with absence of congenital heart disease. The biological assessment is normal.

The baby received an oral treatment with digoxin (10 to 15 micrograms per kilogram of weight) and Bisoprolol (10 to 20 mg per 1.73 m² of body surface area). The evolution is favorable; the ECG shows a recovery of sinus rhythm at 120cpm with persistence of many supraventricular extrasystoles which subsequently regressed.

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