

中文題目：急性冠心症合併心房顫動及單一胸前導極對稱性高 T 波型態

英文題目：Acute coronary syndrome with atrial fibrillation and prominent T waves in single precordial leads

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Abstract:

Acute coronary syndrome (ACS) with atrial fibrillation (Af) are critical conditions, and electrocardiogram (ECG) is important for the initial diagnosis of high-risk patterns in the emergency department (ED). The subsequent performance of percutaneous transluminal coronary angioplasty is indispensable for patients with acute myocardial infarction (AMI). Here we report a case of a 63-year-old male presenting with chest pain and palpitation. The ECG features are consistent with Af and AMI. Notably, tall and symmetrical T-waves were detected in isolated lead V2 but not in other precordial leads, which signified transmural ischemia in the anterior wall, resulting in anterior MI. Coronary angiography (CAG) demonstrated occlusions of multiple vessels, including the left main coronary artery (LMCA), left anterior descending coronary artery (LAD), left circumflex coronary artery (LCx), and right coronary artery (RCA). This is a rare ECG pattern, and the disease resulted in a poor outcome for the patient.