ECG Sample Case: A 51-year-old woman with fatigue

GENERAL FEATURES

- Normal ECG
- Normal variant
- Incorrect electrode placement
- Artifact

P WAVE ABNORMALITIES

- Right atrial abnormality/enlargement
- Left atrial abnormality/enlargement

ATRIAL RHYTHMS

- Sinus rhythm
- Sinus arrhythmia
- Sinus bradycardia (<60)
- Sinus tachycardia (>100)
- Sinus pause or arrest
- Sinoatrial exit block
- Atrial premature complexes
- Atrial tachycardia
- Atrial tachycardia, multifocal
- Supraventricular tachycardia
- Atrial flutter
- Atrial fibrillation

AV JUNCTIONAL RHYTHMS

- AV junctional premature complexes
- AV junctional escape complexes
- AV junctional rhythm/tachycardia

VENTRICULAR RHYTHMS

- Ventricular premature complex(es)
- Ventricular parasytole
- Ventricular tachycardia (3 or more consecutive complexes)
- Accelerated idioventricular rhythm
- Ventricular escape complexes or rhythm
- Ventricular fibrillation

VENTRICULAR HYPERTROPHY

- Left ventricular hypertrophy
- Right ventricular hypertrophy
- Combined ventricular hypertrophy

INTRAVENTRICULAR CONDUCTION

- RBBB, complete
- RBBB, incomplete
- Left anterior fascicular block
- Left posterior fascicular block
- LBBB, complete
- LBBB, incomplete
- Aberrant conduction (including rate-related)
- Intraventricular conduction disturbance, nonspecific type

INTRAVENTRICULAR CONDUCTION DISRUPTION

- Prolonged Q-T interval
- Prominent U waves

Q WAVE MYOCARDIAL INFARCTION

- Anterolateral
- Anterior or anteroseptal
- Lateral
- Inferior
- Posterior

ST, T, U WAVE ABNORMALITIES

- Normal variant, early repolarization
- Normal variant, juvenile T waves
- Nonspecific ST and/or T wave abnormalities
- ST and/or T wave abnormalities suggesting myocardial ischemia
- ST and/or T wave abnormalities suggesting myocardial injury
- ST and/or T wave abnormalities suggesting electrolyte disturbances
- ST and/or T wave abnormalities secondary to hypothermia
- Prolonged Q-T interval
- Prominent U waves

CLINICAL DISORDERS

- Brugada syndrome
- Digitalis toxicity
- Torsades de pointes
- Hyperkalemia
- Hypokalemia
- Hypocalcemia
- Hypercalcemia
- Dextrocardia, mirror image
- Acute cor pulmonale including pulmonary embolus
- Pericardial effusion
- Acute pericarditis
- Hypertrophic cardiomyopathy
- Central nervous system disorder
- Hypothermia

PACEMAKER FUNCTION

- Atrial or coronary sinus pacing
- Ventricular demand pacemaker (VVI), normally functioning
- Dual-chamber pacemaker (DDD), normally functioning
- Pacemaker malfunction, not constantly capturing (atrium or ventricle)
- Pacemaker malfunction, not constantly sensing (atrium or ventricle)
- Paced morphology consistent with biventricular pacing or cardiac resynchronization therapy