

UNIT 4

Logical Puzzle: The Cardiac Arrhythmia Riddle

Scenario: In Dr. Pulse's electrophysiology lab, four patients—**Jordan, Kelly, Morgan, and Riley**—present with **cardiac arrhythmias** (irregular heartbeats). Each has **exactly one** of these arrhythmia types confirmed by ECG:

- **Atrial Fibrillation (AFib)** (chaotic atrial rhythm)
- **Ventricular Tachycardia (VTach)** (fast ventricular rhythm)
- **Supraventricular Tachycardia (SVT)** (fast rhythm above ventricles)
- **Bradycardia** (dangerously slow heart rate)

Additionally:

- Each patient is prescribed **exactly one** of these anti-arrhythmic treatments: **Amiodarone, Adenosine, Pacemaker, or Beta-blocker**.
- **Exactly one statement** from each patient is **true**; the other two are **false**.

Patient Statements:

Patient	Statement 1	Statement 2	Statement 3
Jordan	I have AFib.	I get the Pacemaker.	Kelly has SVT.
Kelly	I have VTach.	Morgan gets Adenosine.	Riley has Bradycardia.
Morgan	I get Beta-blocker.	I have Bradycardia.	Jordan gets Amiodarone.
Riley	I get Adenosine.	I have SVT.	Kelly gets Pacemaker.

- ❖ Puzzle: Determine each patient's arrhythmia type and treatment is true and false

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B.Sc., CARDIAC TECHNOGY

**SUBJECT : CLINICAL FEATURES AND TREATMENT RELATED TO CARDIAC TECHNOLOGY
AND BASIC LIFE SUPPORT PUZZLE**



RUBRICS

CRITERIA	DESCRIPTION	POINTS
1. Completeness	All correctly identified (A,B,C,D,E)	5 pts
2. Accuracy	No wrong answers	3 pts
4. Neatness	Clear handwriting, no erasures	2 pts
	TOTAL	10 pts