



Mastering ECG Interpretation

An Innovative, Practical, and Systematic Approach

About the Author

Homayoon Banaderakhshan: A leader in medical education.

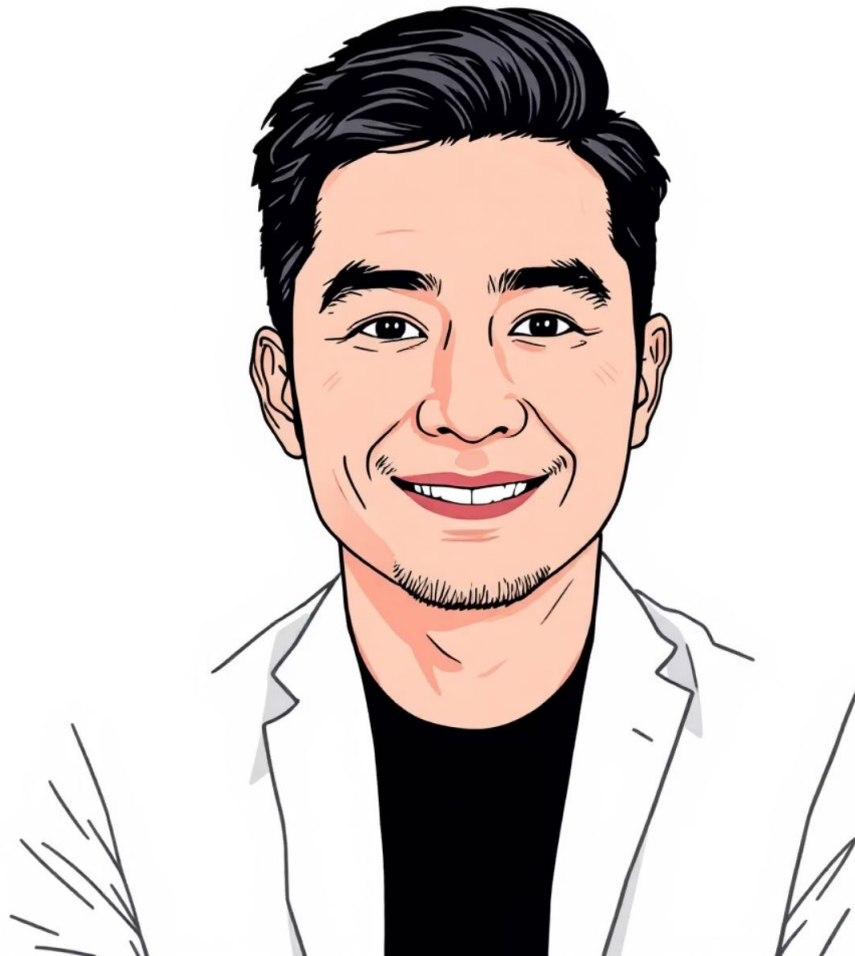


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CONFERENCE DIALOGUE



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Introduction to the Study

This research explores effective methods for ECG interpretation education.

1

Research Design

Descriptive-analytical study with 60 randomized medical students.

2

Group Division

Students split into traditional and systematic learning groups.

3

Pre & Post-tests

Evaluated learning levels in both groups after interventions.

Methodology: The Questionnaire

A comprehensive tool designed to assess ECG interpretation skills.

40 Questions

Covering various ECG interpretation domains.

Key Areas

Rules, sinus, atrial, junctional, ventricular rhythms, heart blocks, and dysrhythmias.

Final Exam Level

Questions selected from "must-be-known" final examinations.



Significant Results

Systematic education dramatically improved ECG interpretation knowledge.



Systematic Group

Mean score significantly higher.

Traditional Group

Lower mean score.

The systematic educational group showed significantly higher knowledge ($p<0.005$).

Conclusion: Systematic Learning Wins

The gamified method proved more effective than traditional teaching.



Enhanced Learning

Systematic approach boosts ECG interpretation skills.



Gamified Method

Increased engagement and retention for students.



Superior Outcomes

Outperformed traditional methods in knowledge acquisition.





Memorize This Sentence!

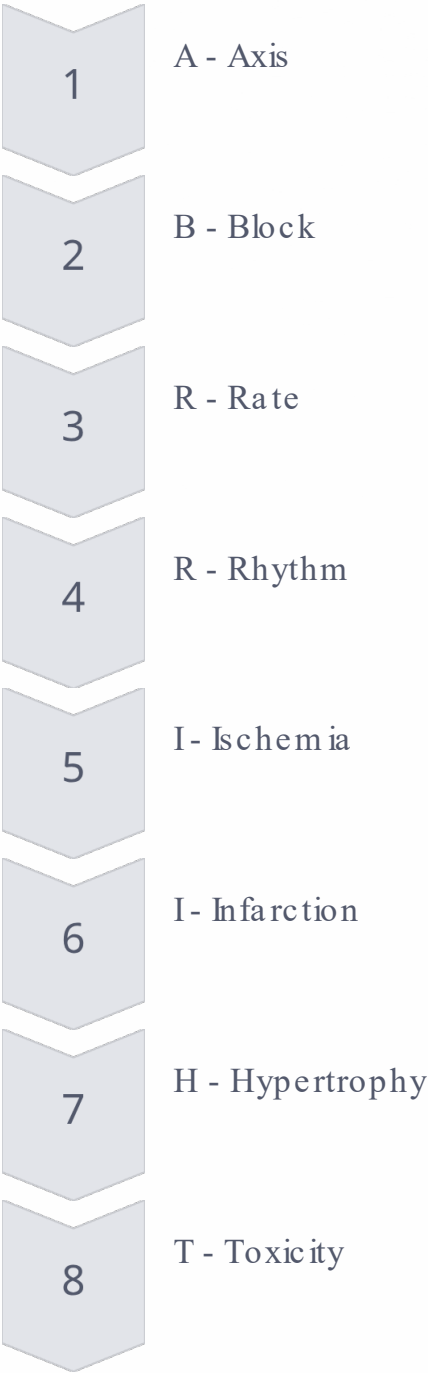
A simple mnemonic for systematic ECG interpretation.

"All Beautiful Red Roses in Iran Have Thorns."

Each word's first letter guides a rapid, complete, and simple ECG assessment.

The ECG Interpretation Algorithm

Unpacking the mnemonic for a structured approach.



Keywords for Medical Education

Relevant terms for this research and its implications.

1

Electrocardiography / methods

2

Education, Medical

3

Teaching / methods

4

Gamification in Medical Education





Contact & Presentation Details

Connecting with the author and understanding the presentation context.



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Pre senta tion Type

Oral