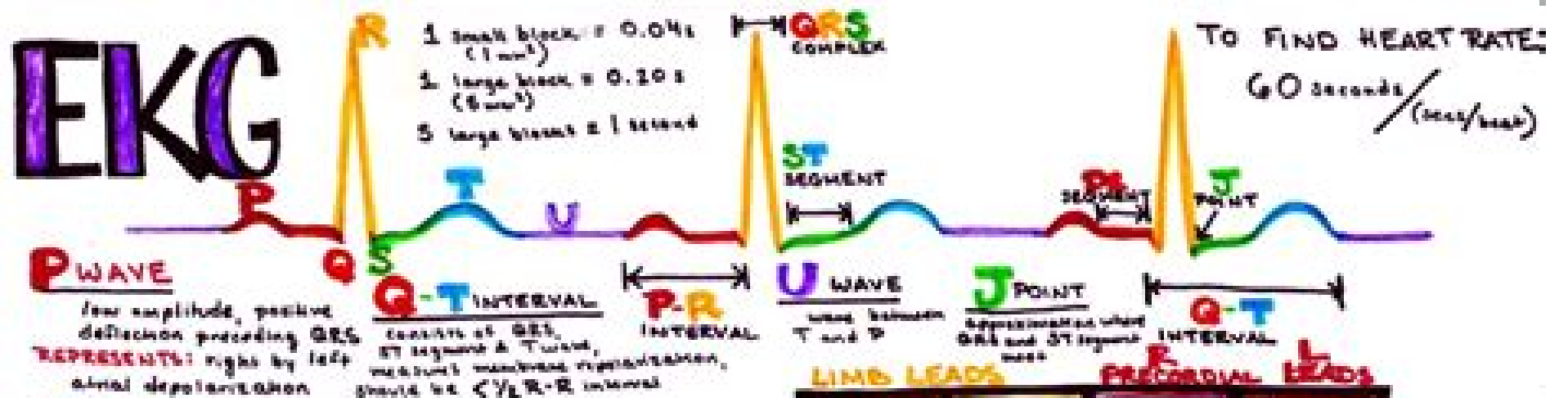




LIMB LEADS		PRECARDIAL LEADS	
I LCX LATERAL	aVa	V ₁ LAD SEPTAL	V ₄ LAD ANTERIOR
II RCA INFERIOR	aV _L LCX LATERAL	V ₂ LAD SEPTAL	V ₅ LCX LATERAL
III RCA INFERIOR	aV _F RCA INFERIOR	V ₃ LAD ANTERIOR	V ₆ LCX LATERAL

AXIS

Right →
 QRS down in I
 Left →
 QRS down in aV_F

CARDIAC CONDUCTION

SA node → P →

activation initiated wave of depolarization through TA, and through Bachmann's bundle to LA, stimulating atrial contraction

AV node → P-R INTERVAL

wave of depolarization travels to AV node to connect atria and ventricles and pauses, allowing atrial systole to finish before ventricular systole begins

→ **PURKINJE BUNDLE BRANCHES** → QRS COMPLEX

after pause at AV node, wave of depolarization spreads rapidly down bundle branches to Purkinje fibers then discharges into ventricular myocardium

LOOK FOR:
 each QRS preceded by a P,
 no extra waves

LOOK FOR:
 PR interval < 200 ms,
 proper conduction delay

LOOK FOR:
 ~ 1 QRS per second indicating normal HR,
 normal QRS interval < 120 ms

Basic Ekg Study Guide

Lingsheng Yao



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Table of Contents Basic Ekg Study Guide

1. Understanding the eBook Basic Ekg Study Guide
 - The Rise of Digital Reading Basic Ekg Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Basic Ekg Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Basic Ekg Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Basic Ekg Study Guide
 - Personalized Recommendations
 - Basic Ekg Study Guide User Reviews and Ratings
 - Basic Ekg Study Guide and Bestseller Lists

5. Accessing Basic Ekg Study Guide Free and Paid eBooks
 - Basic Ekg Study Guide Public Domain eBooks
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 - Basic Ekg Study Guide Enhanced eBook Features
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 - Highlighting and Note-Taking Basic Ekg Study Guide
 - Interactive Elements Basic Ekg Study Guide
8. Staying Engaged with Basic Ekg Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Basic Ekg Study Guide
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 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Basic Ekg Study Guide
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
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 - Setting Reading Goals Basic Ekg Study Guide
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Basic Ekg Study Guide
 - Fact-Checking eBook Content of Basic Ekg Study Guide
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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