

# EKG Interpretation Cheat Sheet

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Arrhythmias	Description	Causes	Treatment
<b>Paroxysmal Supraventricular Tachycardia</b> 	<ul style="list-style-type: none"> <li>Atrial and ventricular rhythms are regular.</li> <li>Heart rate is fast (typically exceeds 200 bpm).</li> <li>PR waves regular (but absent; difficult to differentiate from preceding P waves).</li> <li>P waves preceding each QRS complex.</li> <li>Sudden onset and termination of arrhythmia.</li> <li>With a normal PR wave it's called paroxysmal atrial tachycardia; without a normal PR wave it's paroxysmal junctional tachycardia.</li> </ul>	<ul style="list-style-type: none"> <li>Physical exertion, emotion, stimulants, rheumatic heart disease.</li> <li>Intrinsic abnormality of the conduction system.</li> <li>Digoxin toxicity.</li> <li>Use of caffeine, marijuana, or central nervous system stimulants.</li> </ul>	<ul style="list-style-type: none"> <li>If the patient is unstable prepare for immediate cardioversion.</li> <li>If the patient is stable, vagal maneuvers, orValsalva maneuver.</li> <li>Adenosine (by rapid IV) is used if digoxin is suspected.</li> <li>If a patient has normal P waves, fraction, consider calcium channel blockers, beta-adrenergic blockers, or propranolol.</li> <li>In a patient that an ejection fraction less than 40%, consider amiodarone.</li> </ul>
<b>Atrial Flutter</b> 	<ul style="list-style-type: none"> <li>Atrial rhythm regular, rate 250 to 400 bpm.</li> <li>Ventricular rate variable, depending on degree of AV block.</li> <li>Same-rate P waves configuration.</li> <li>QRS complexes are uniform in shape but often irregular in rate.</li> </ul>	<ul style="list-style-type: none"> <li>Fibrillatory, triggered or induced by disease, pulmonary embolism, constrictive pericarditis, inferior wall infarct, cardiac.</li> <li>Digoxin toxicity.</li> </ul>	<ul style="list-style-type: none"> <li>If a patient is unstable with ventricular rate &gt; 100 bpm, prepare for immediate cardioversion.</li> <li>If the patient is stable, drug therapy may include calcium channel blockers, beta-adrenergic blockers, or antiarrhythmics.</li> <li>Antiarrhythmia therapy may be necessary.</li> </ul>
<b>Atrial Fibrillation</b> 	<ul style="list-style-type: none"> <li>Atrial rhythm grossly irregular, rate = 300 to 600 bpm.</li> <li>Ventricular rhythm grossly irregular, rate 100 to 180 bpm.</li> <li>P/R interval indeterminate.</li> <li>No P waves, or P waves hidden, appear as erratic, irregular baseline fibrillary waves.</li> </ul>	<ul style="list-style-type: none"> <li>Fibrillatory, ADP, thyrotoxicosis, constrictive pericarditis, ischemic heart disease, sepsis, pulmonary embolism, obstructive heart disease, hypertension, inferior myocarditis, atrial fibrillation, complication of coronary bypass or valve replacement, surgery.</li> </ul>	<ul style="list-style-type: none"> <li>If a patient is unstable with ventricular rate &gt; 100 bpm, prepare for immediate cardioversion.</li> <li>If stable, drug therapy may include calcium channel blockers, beta-adrenergic blockers, digoxin, procainamide, flecainide, flecainide, or sotalol.</li> <li>Antiarrhythmia therapy to prevent stroke.</li> <li>Dual chamber atrial pacing, implantable atrial pacemaker, or surgical maze procedure may also be used.</li> </ul>
<b>Junctional Rhythm</b> 	<ul style="list-style-type: none"> <li>Atrial and ventricular rhythms are regular.</li> <li>Atrial rate 40 to 60 bpm.</li> <li>Ventricular rate is usually 40 to 60 bpm.</li> <li>PR waves preceding, hidden, hidden (absent), or after QRS complex; usually inverted or visible.</li> <li>P/R interval (when present) &lt; 0.12 second.</li> <li>QRS complex configuration and duration normal, except in aberrant conduction.</li> </ul>	<ul style="list-style-type: none"> <li>Inferior wall infarct, or ischemia, hypoxia, vagal stimulation, sick sinus syndrome.</li> <li>Acute myocardial infarction.</li> <li>Moderate.</li> <li>Digoxin toxicity.</li> </ul>	<ul style="list-style-type: none"> <li>Correction of underlying cause.</li> <li>Atropine for symptomatic slow rate.</li> <li>Resuscitation if patient is refractory to drugs.</li> <li>Discontinuation of digoxin if appropriate.</li> </ul>
<b>Premature Junctional Contractions</b> 	<ul style="list-style-type: none"> <li>Atrial and ventricular rhythms are irregular.</li> <li>PR waves inverted; may precede the previous action, or follow QRS complex.</li> <li>QRS complex configuration and duration normal.</li> </ul>	<ul style="list-style-type: none"> <li>Infarct or ischemia.</li> <li>Digoxin toxicity and excessive caffeine or sympathomimetic use.</li> </ul>	<ul style="list-style-type: none"> <li>Correction of underlying cause.</li> <li>Discontinuation of digoxin if appropriate.</li> </ul>
<b>First-degree AV block</b> 	<ul style="list-style-type: none"> <li>Atrial and ventricular rhythms regular.</li> <li>P/R interval &gt; 0.20 second.</li> <li>P waves preceding each QRS complex.</li> <li>QRS complex normal.</li> </ul>	<ul style="list-style-type: none"> <li>Inferior wall infarct or ischemia or infarction, Hypothyroidism, Hypokalemia, Hyperkalemia, Digoxin toxicity.</li> <li>Use of quinidine, procainamide, beta-adrenergic blocks, calcium channel blockers, and beta-adrenergic blockers.</li> </ul>	<ul style="list-style-type: none"> <li>Correction of the underlying cause.</li> <li>Possible atropine if P/R interval exceeds 0.20 second or symptomatic bradycardia develops.</li> <li>Cautious use of digoxin, calcium channel blockers, and beta-adrenergic blockers.</li> </ul>

# Pocket To Ecg Interpretation

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**Flip and See ECG** Elizabeth Gross Cohn,2012-07-23 New and updated information across the entire book includes coverage of new pacemaker strips and now includes 12 lead interpretation and 12 lead axis identification New cartoons have been added to make key points memorable and entertaining Updated algorithms reflect the new 2010 ECC Guidelines Completely redesigned Cohn s Pocket Guide for ECG Interpretation a plastic heart rate ruler aids both students and practitioners in rhythm interpretation Expanded appendix provides illustrations of ECG complexes as they relate to heart damage    **Current Catalog** National Library of Medicine (U.S.),1993 First multi year cumulation covers six years 1965 70

**Pathophysiology Made Incredibly Visual!** Lippincott Williams & Wilkins,2008 A comprehensive guide to pathology uses cartoons and detailed illustrations to help explain basic concepts presenting symptoms risk factors and causes of disorders and diseases that occur all over the body    [National Library of Medicine Current Catalog](#) National Library of Medicine (U.S.),1982    **I. V. Therapy** Diane M. Labus,2008-08-01 I V Therapy An Incredibly Easy Workout features more than 250 enjoyable practice exercises to help readers master I V therapy with ease A perfect companion to I V Therapy Made Incredibly Easy this workbook uses the light hearted Incredibly Easy writing style that makes learning and reviewing complex information less threatening and more fun Chapters test the reader s knowledge of essential I V therapy information including I V therapy fundamentals peripheral I V therapy central venous therapy I V medications transfusions chemotherapy infusions and parenteral nutrition Readers maneuver through practice exercises that assess learning encourage comprehension and retention and provide a little laughter Nurse Joy and other host characters offer coaching and encouragement    **Dosage Calculations** Lippincott Williams & Wilkins,2009 Dosage Calculations An Incredibly Easy Workout features over 250 enjoyable practice exercises to help readers master dosage calculations with ease A perfect

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