ARRHYTHMIAS—DIAGNOSES BASED ON THE P WAVE OR OTHER ATRIAL ACTIVITY



• If QRS is abnormal in form and prolonged to 0.12 sec. or more, the additional diagnosis is intraventricular conduction disturbance, usually of the bundle branch type. (See Chap. 4.)

tThe differential diagnosis of sinus and atrial tachycardia will be discussed in Volume II.





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ARRHYTHMIAS-DIAGNOSES BASED ON THE P WAVE OR OTHER ATRIAL ACTIVITY (Cont.)





ARRHYTHMIAS-DIAGNOSES BASED ON THE P WAVE OR OTHER ATRIAL ACTIVITY (Cont.)



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➤ Wandering atrial pacemaker. (Varying pathways of atrial → FIG. P24 depolarization?)

► Wandering pacemaker between S-A node and junctional _____ FIG. P25

→ FIG. P28

→ FIG. P29

tissue.

→ Multifocal atrial tachycardia. (See Fig. P103.)

→ Atrial flutter with varying block. —

➤ Atrial fibrillation. -

► Atrial flutter with fixed block. (Ventricular rate varies, de-

pending on degree of block. See R-R interval section.)















Atrial fibrillation with complete block. (Rare, usually associated with digitalis toxicity.) Diagnosis of site of ventricular focus, pp. 44-45.)

➤ Atrial fibrillation with junctional tachycardia (usually di-_____ FIG. P31 gitalis toxicity).

ARRHYTHMIAS-DIAGNOSES BASED ON THE P WAVE OR OTHER ATRIAL ACTIVITY (Cont.)



*P waves may not be visualized in the standard 12 lead electrocardiogram for two reasons: (1) There may be no atrial activity due to sinoatrial arrest or sinoatrial block. In such cases the diagnosis is based on the QRS rate, regularity and form. These rhythms are usually slow and include, principally, the idioventricular rhythms with pacemakers either above or below the bifurcation of the bundle of His. (2) Atrial activity may be present but is not visible because it is concealed in the QRS complex or the T wave. These rhythms are usually associated with rapid ventricular rates and include, primarily, paroxysmal tachycardias of supraventricular or ventricular origin.

Exploratory leads may aid in locating the P waves not visualized in the standard ECG

