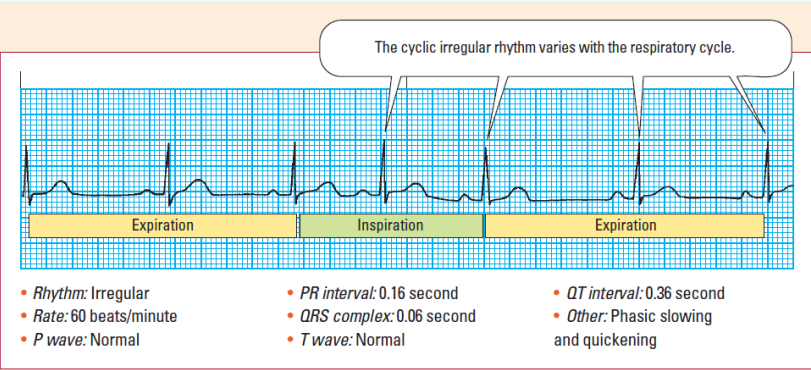
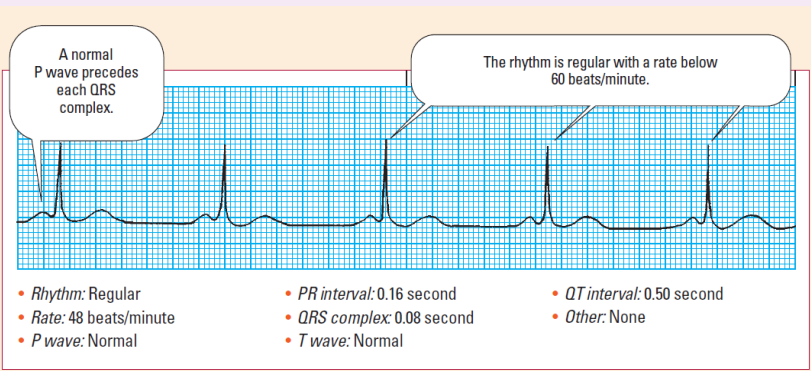
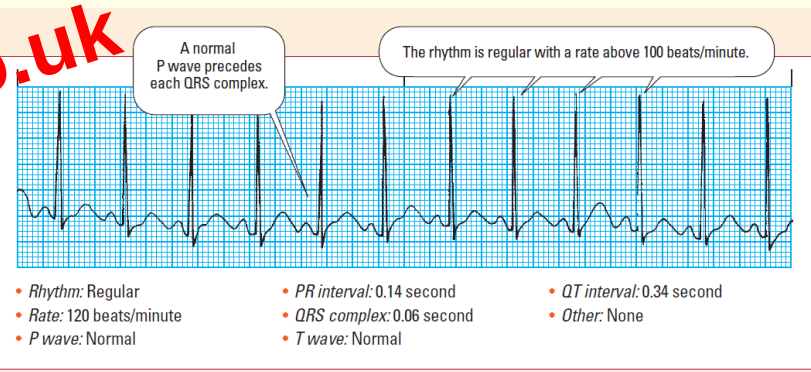
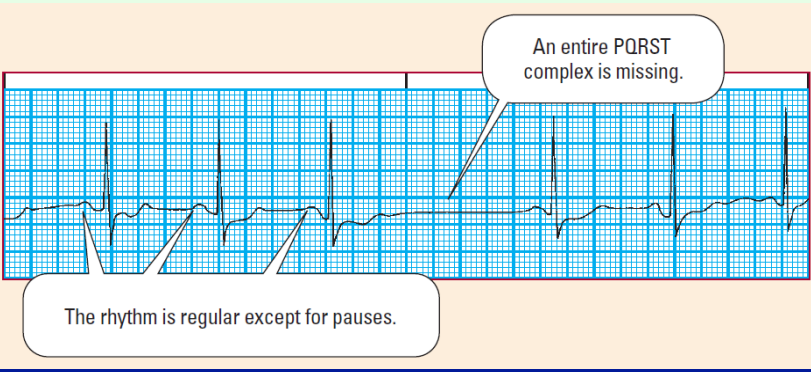
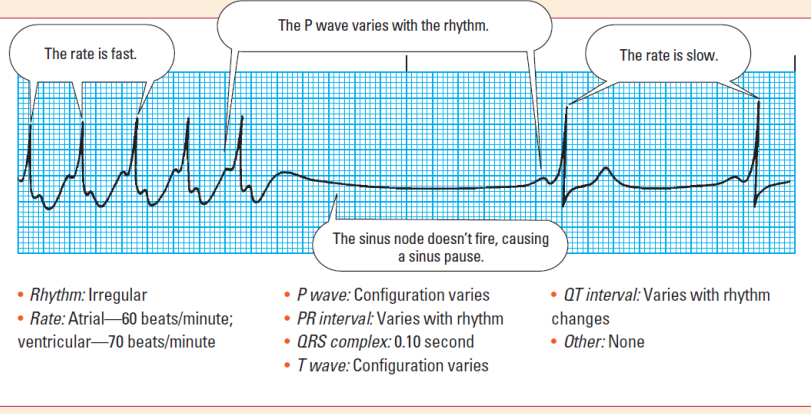


LOCATION	TYPES	RHYTHM	HR	ECG	CAUSES
SINUS NODE ARRHYTHMIAS	SINUS ARRHYTHMIAS 	IRREGULAR	60-100	 • Rhythm: Irregular • Rate: 60 beats/minute • P wave: Normal • PR interval: 0.16 second • QRS complex: 0.06 second • T wave: Normal • QT interval: 0.36 second • Other: Phasic slowing and quickening	RESPIRATORY SINUS RHYTHM INFERIOR WALL MI INCREASED INTRACRANIAL PRESSURE DIGITALIS
	SINUS BRADYCARDIA 	REGULAR	< 60	 • Rhythm: Regular • Rate: 48 beats/minute • P wave: Normal • PR interval: 0.16 second • QRS complex: 0.08 second • T wave: Normal • QT interval: 0.50 second • Other: None	SLEEP OR WITH ATHLETES HYPERKALEMIA INCREASED INTRACRANIAL PRESSURE HYPOTHYROIDISM HYPOTHERMIA CAROTID SINUS MASSAGE DIGITALIS, B BOLCKERS, Ca CHANNELS BLOCKERS
	SINUS TACHYCARDIA 	REGULAR	100-160	 • Rhythm: Regular • Rate: 120 beats/minute • P wave: Normal • PR interval: 0.14 second • QRS complex: 0.06 second • T wave: Normal • QT interval: 0.34 second • Other: None	EXERSICE, PAIN, STRESS, FEVER, EMOTIONS HEART FAILURE PERICARDITIS ANEMIA RESPIRATORY DISTRESS ATROPINE
	SINUS ARREST/PAUSE 	REGULAR EXCEPT FOR PAUSE [LOSS OF PQRST]	40		LACK OF ATRIAL ELECTRICAL ACTIVITY A COMPLETE PQRST CYCLE IS LOST 1-2 PQRST: SINUE PAUSE 3 OR MORE: SINUS ARREST SA NODE DISEASE CAROTID SINUS MASSAGE CHRONIC CORONARY ARTERY DISEASE ACUTE MYOCARDITIS
	SICK SINUS SYNDROME مخرف يعني 	IRREGULAR	60-70	 • Rhythm: Irregular • Rate: Atrial—60 beats/minute; ventricular—70 beats/minute • P wave: Configuration varies • PR interval: Varies with rhythm • QRS complex: 0.10 second • T wave: Configuration varies • QT interval: Varies with rhythm changes • Other: None	DISTURBANCES IN IMPULSE GENERATION INABILITY TO CONDUCT IMPULSES TO ATRIA COMMONLY IN > 60 YEARS OLD