



BASIC

RHYTHM INTERPRETATION

Practice Rhythms

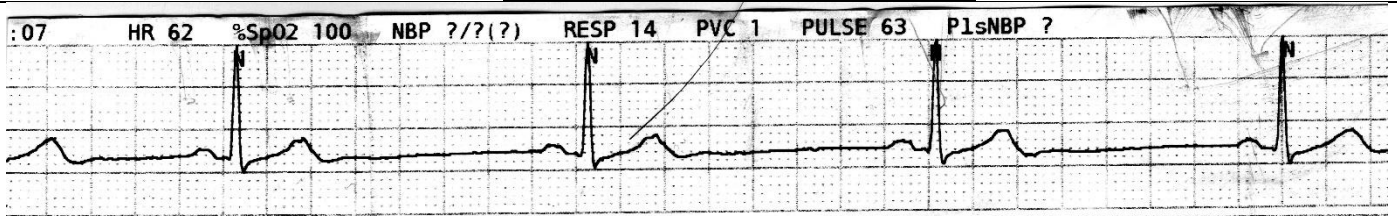
Additional Practice Rhythms	2-14
Practice Rhythm Answer Key	15-22



RHYTHM

1

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

2

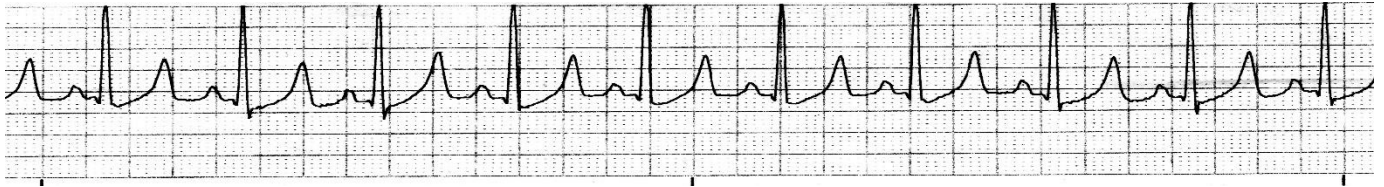
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

3

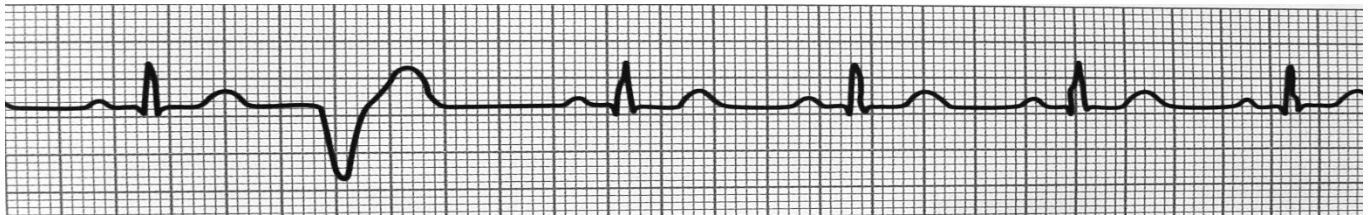
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

4

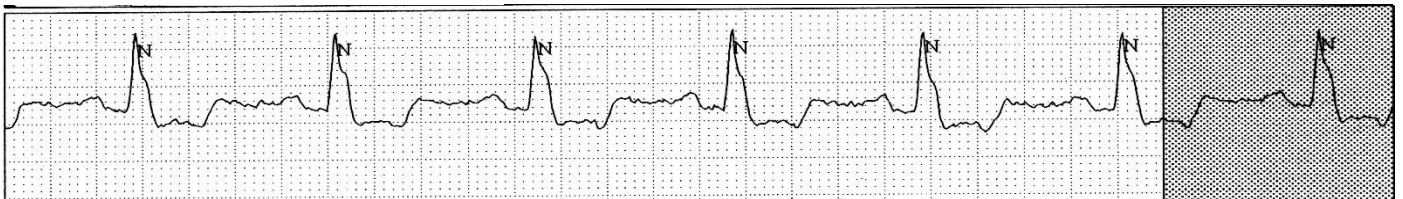
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

5

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

6

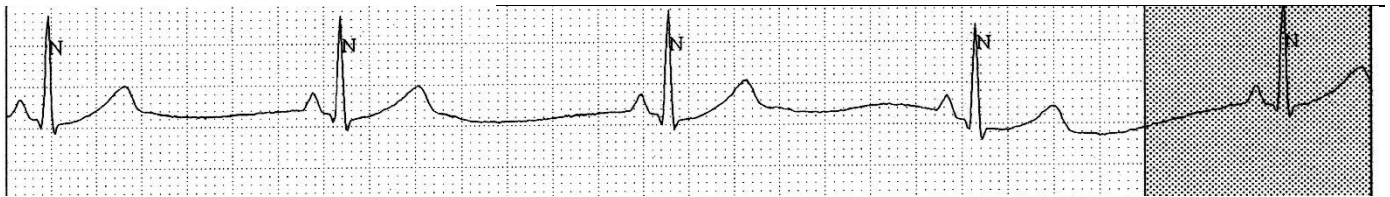
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

7

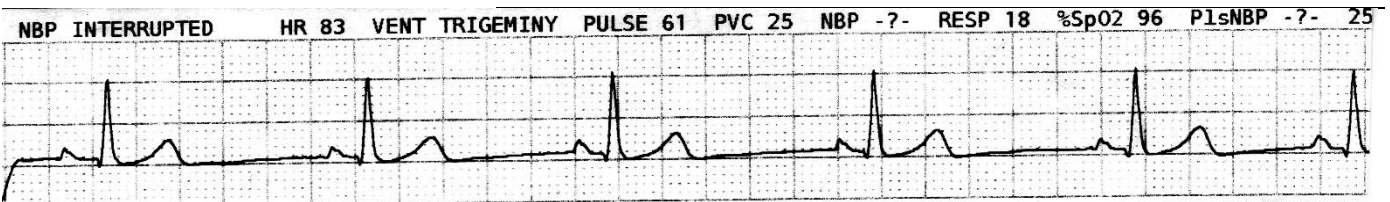
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

8

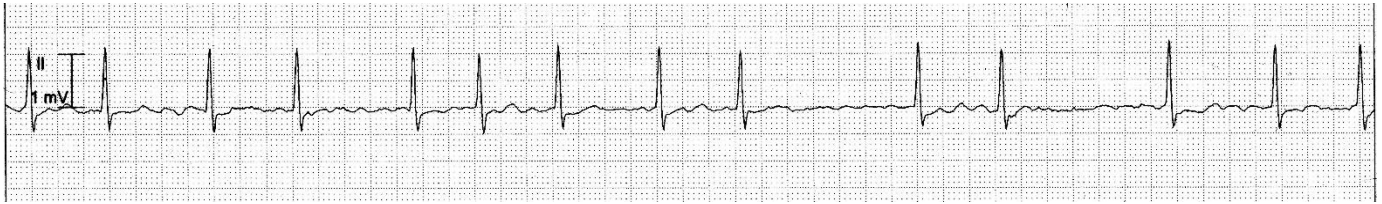
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 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

9

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

10

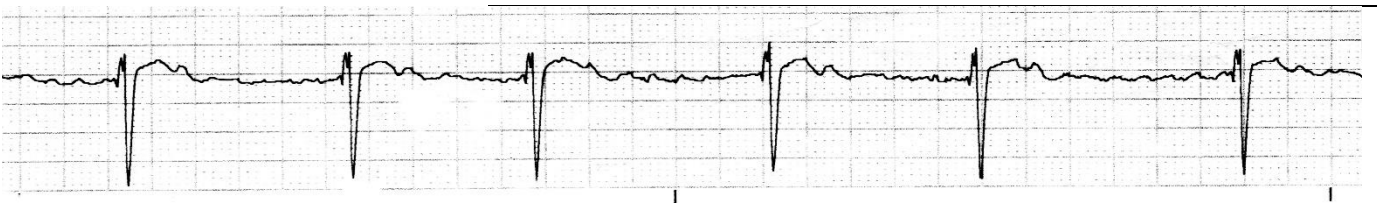
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 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

11

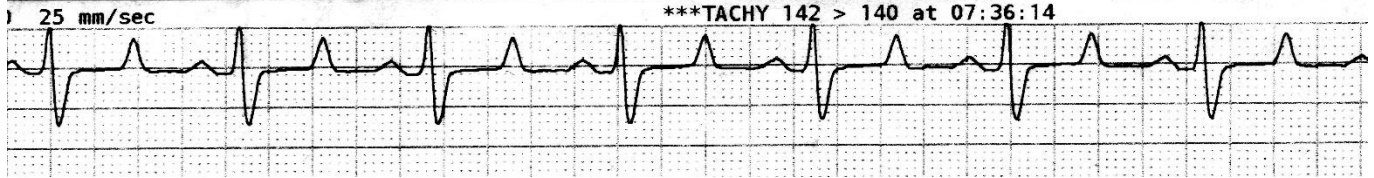
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 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

12

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

13

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

14

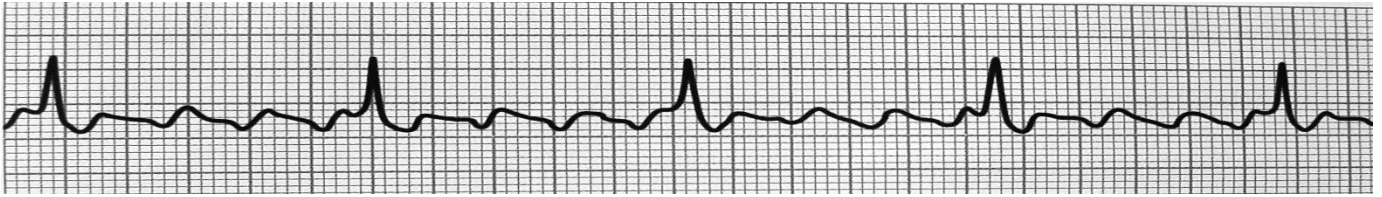
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

15

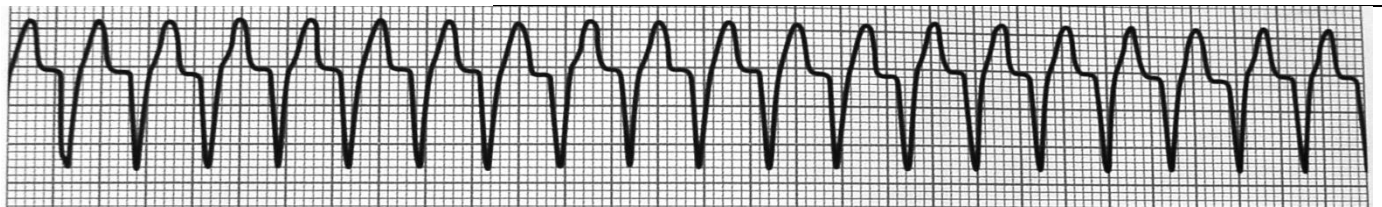
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

16

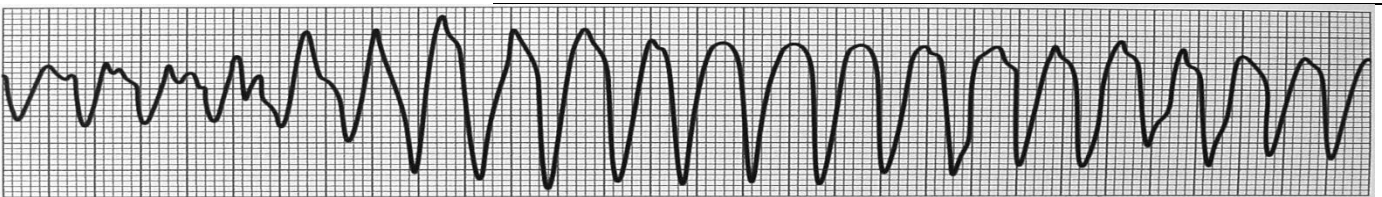
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

17

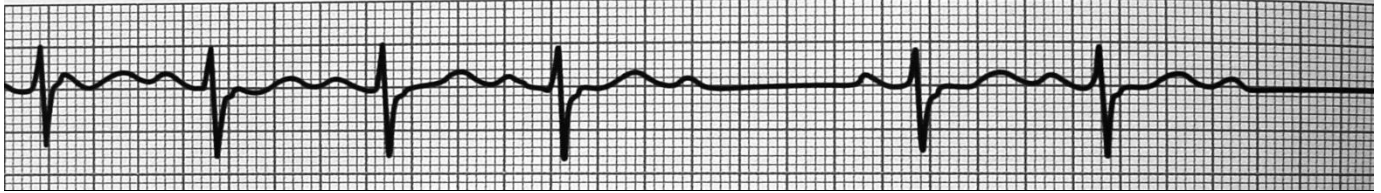
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

18

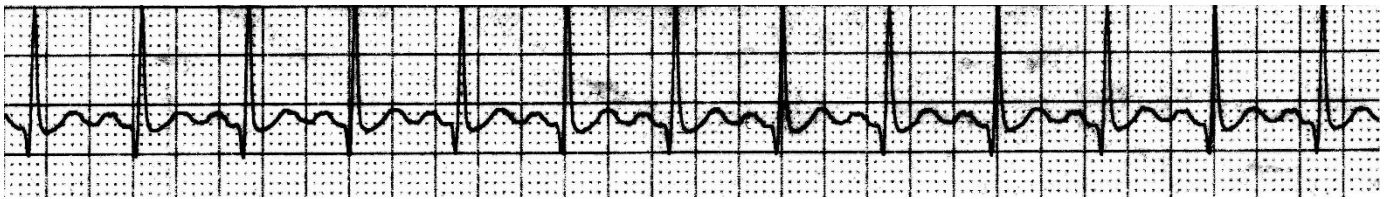
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

19

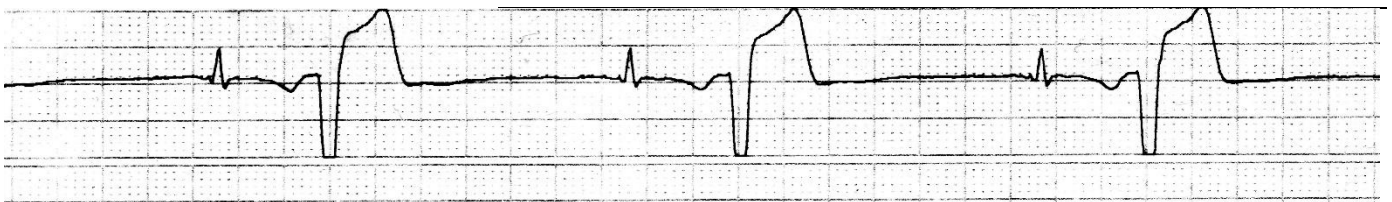
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

20

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

21

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

22

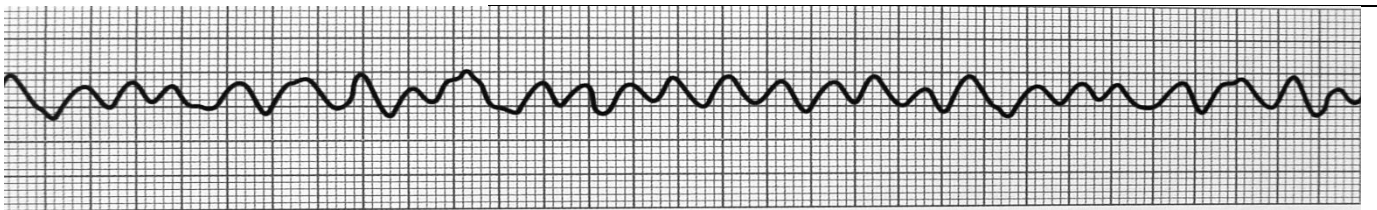
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

23

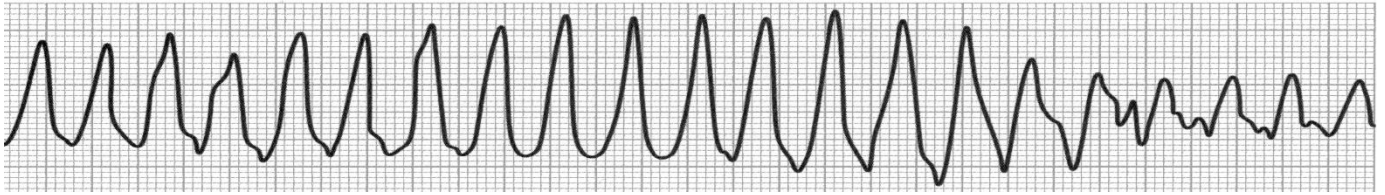
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

24

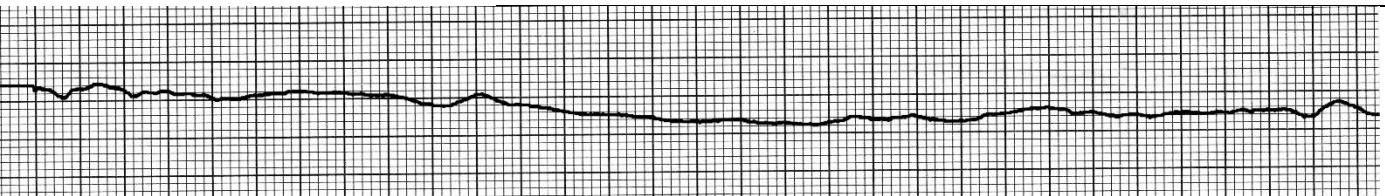
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

25

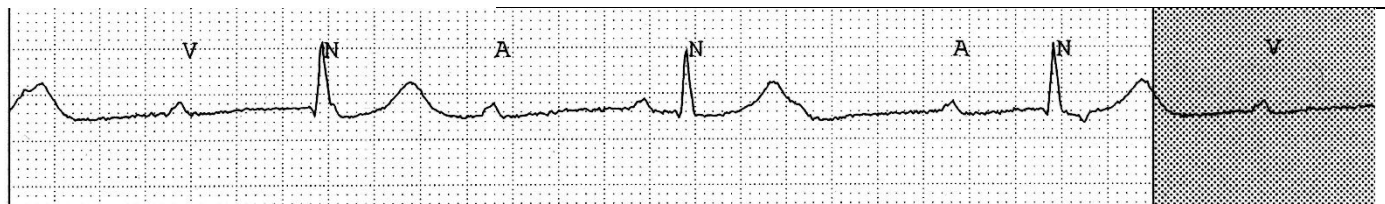
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

26

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

27

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



Ph 6.9 K 7.6

RHYTHM

28

Regular or Irregular : _____

P Waves Present: _____

Atrial Rate: _____

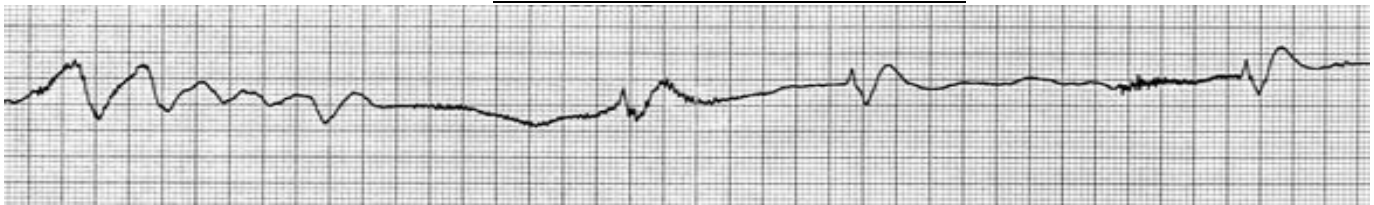
Ventricular Rate: _____

PR Interval: _____

QRS Interval: _____

QT Interval: _____

RHYTHM: _____



RHYTHM

29

Regular or Irregular : _____

P Waves Present: _____

Atrial Rate: _____

Ventricular Rate: _____

PR Interval: _____

QRS Interval: _____

QT Interval: _____

RHYTHM: _____



RHYTHM

30

Regular or Irregular : _____

P Waves Present: _____

Atrial Rate: _____

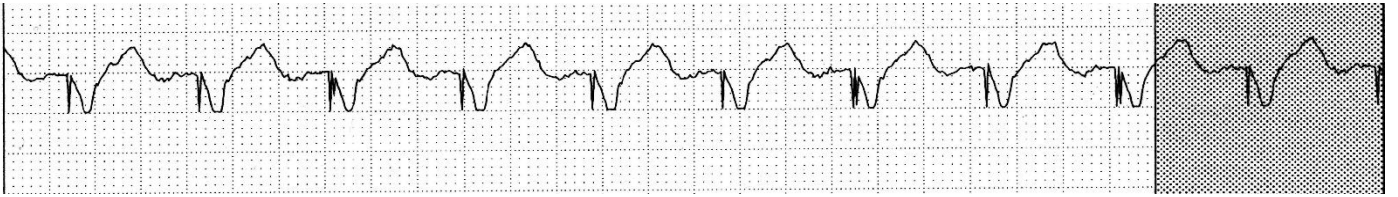
Ventricular Rate: _____

PR Interval: _____

QRS Interval: _____

QT Interval: _____

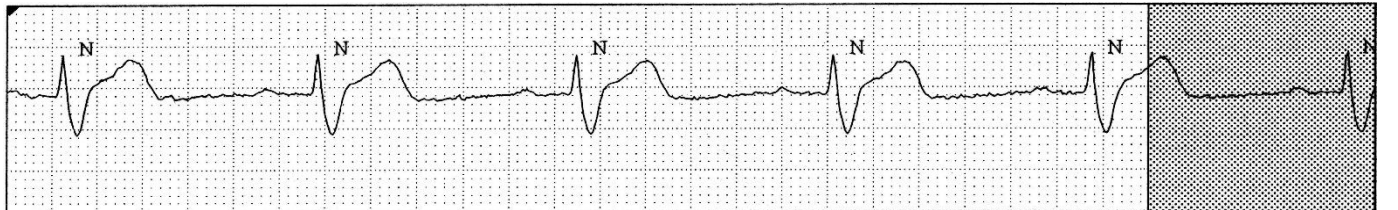
RHYTHM: _____



RHYTHM

31

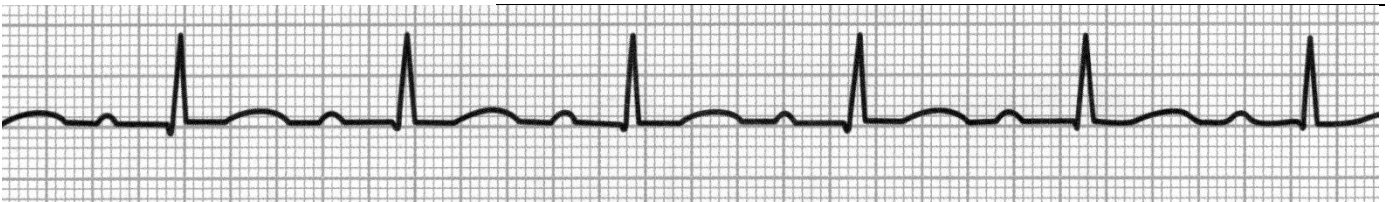
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

32

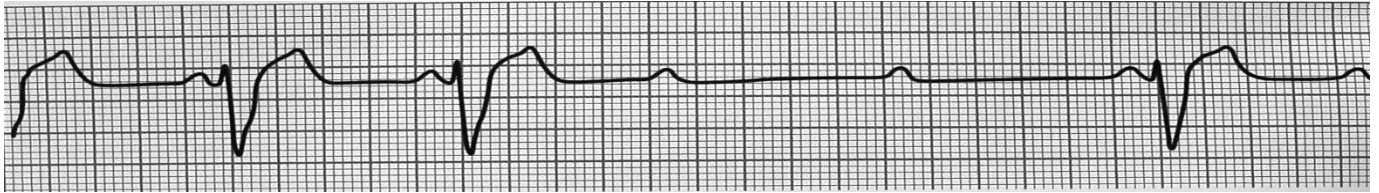
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

33

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

34

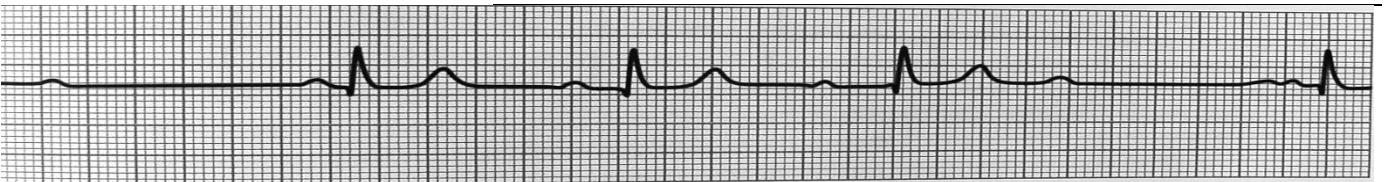
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

35

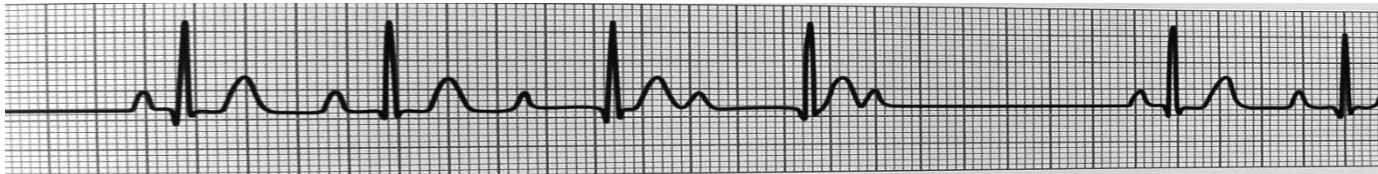
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

36

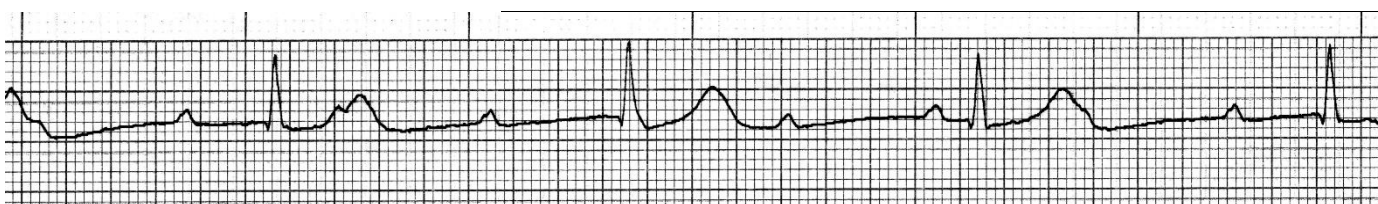
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

37

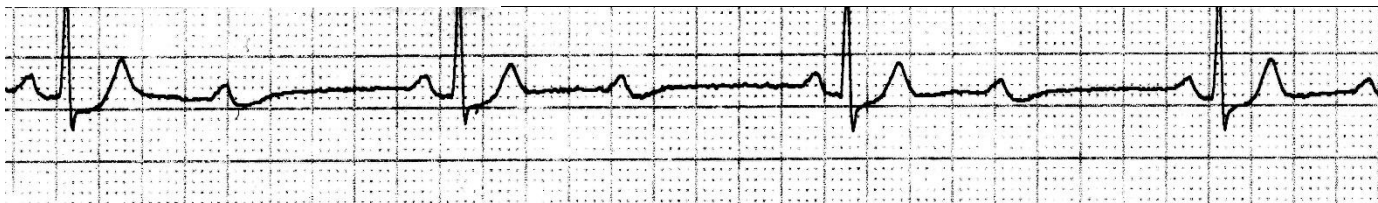
Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

38

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____



RHYTHM

39

Regular or Irregular : _____
 P Waves Present: _____
 Atrial Rate: _____
 Ventricular Rate: _____
 PR Interval: _____
 QRS Interval: _____
 QT Interval: _____
 RHYTHM: _____

ANSWER KEY

1	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	80
		PR Interval:	0.20
		QRS Interval:	0.08
		QT Interval:	0.36
		RHYTHM:	Normal Sinus Rhythm

2	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	40
		Ventricular Rate:	40
		PR Interval:	0.20
		QRS Interval:	0.08
		QT Interval:	0.44
		RHYTHM:	Regular Sinus Bradycardia

3	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	No
		Atrial Rate:	—
		Ventricular Rate:	Fibrillation Waves
		PR Interval:	—
		QRS Interval:	—
		QT Interval:	—
		RHYTHM:	Ventricular Fibrillation

4	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	100
		Ventricular Rate:	100
		PR Interval:	0.16
		QRS Interval:	0.08
		QT Interval:	0.36
		RHYTHM:	Normal Sinus Rhythm

5	RHYTHM	Regular or Irregular :	Regular	To determine the heart rate. Count the number of small boxes between two consecutive R waves, and divide into 1500 $1500 / 22 = 68$
		P Waves Present:	Yes	
		Atrial Rate:	68	
		Ventricular Rate:	68	
		PR Interval:	0.20	
		QRS Interval:	0.08	
		QT Interval:	0.40	
		RHYTHM:	Normal Sinus with PVC	

6	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	70
		Ventricular Rate:	70
		PR Interval:	0.20
		QRS Interval:	0.16
		QT Interval:	0.38
		RHYTHM:	Sinus Rhythm w/ bundle branch block and ST Depression

7	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	80
		PR Interval:	0.16
		QRS Interval:	0.08
		QT Interval:	0.36
		RHYTHM:	Normal Sinus Rhythm

8	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	50
		Ventricular Rate:	50
		PR Interval:	0.12
		QRS Interval:	0.08
		QT Interval:	0.40
		RHYTHM:	Normal Sinus Bradycardia

9	RHYTHM	Regular or Irregular :	Regular	Heart rate determined by counting the small boxes between the R waves and dividing into 1500. NOTE the error on the rhythm strip- The heart rate is reported at a rate of 83 and labeled as Ventricular Trigeminy
		P Waves Present:	Yes	
		Atrial Rate:	53	
		Ventricular Rate:	53	
		PR Interval:	0.16	
		QRS Interval:	0.12	
		QT Interval:	0.40	
		RHYTHM:	Sinus Bradycardia	

10	RHYTHM	Regular or Irregular :	Irregular	Note the rhythm strip is longer than 6 seconds. To determine the rate in an irregular rhythm, count the number of R waves in a 6 second strip (30 large boxes) and multiply by 10.
	P Waves Present:	Fibrillation Waves		
	Atrial Rate:	Unable to determine		
	Ventricular Rate:	90		
	PR Interval:	_____		
	QRS Interval:	0.08		
	QT Interval:	No reliable / consistent t Waves		
	RHYTHM:	Controlled Atrial Fibrillation		

11	RHYTHM	Regular or Irregular :	Regular	Rate determined by counting the number of small boxes and dividing into 1500. If you count the beats and multiply by 10, you would get an atrial rate of 130 and a ventricular rate of 120.
	P Waves Present:	Yes		
	Atrial Rate:	115		
	Ventricular Rate:	115		
	PR Interval:	0.20		
	QRS Interval:	0.08		
	QT Interval:	0.28		
	RHYTHM:	Sinus Tachycardia		

12	RHYTHM	Regular or Irregular :	Irregular
	P Waves Present:	Fibrillation Waves	
	Atrial Rate:	Unable to determine	
	Ventricular Rate:	60	
	PR Interval:	_____	
	QRS Interval:	0.08	
	QT Interval:	0.28	
	RHYTHM:	Controlled A-Fib	

13	RHYTHM	Regular or Irregular :	Regular	Note: Due to the peaked t waves. the rhythm strip reports the heart rate at 142. This is known as double counting.
	P Waves Present:	Yes		
	Atrial Rate:	71		
	Ventricular Rate:	71		
	PR Interval:	0.20		
	QRS Interval:	0.12		
	QT Interval:	0.48		
	RHYTHM:	Sinus with prolonged QT		

14	RHYTHM	Regular or Irregular :	Regular	Did you count the rate at 100? Note, the rhythm strip contains 32 boxes.
	P Waves Present:	Yes		
	Atrial Rate:	88		
	Ventricular Rate:	88		
	PR Interval:	0.16		
	QRS Interval:	0.10		
	QT Interval:	0.36		
	RHYTHM:	Normal Sinus rhythm		

15	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Fibrillation Waves
		Atrial Rate:	Unable to determine
		Ventricular Rate:	80
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	_____
		RHYTHM:	Controlled A-Fib

16	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Flutter Waves
		Atrial Rate:	Flutter waves : Rate 214
		Ventricular Rate:	50
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	_____
		RHYTHM:	4:1 Atrial Flutter

17	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None
		Atrial Rate:	_____
		Ventricular Rate:	214
		PR Interval:	_____
		QRS Interval:	0.24
		QT Interval:	_____
		RHYTHM:	Ventricular Tachycardia

18	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None
		Atrial Rate:	_____
		Ventricular Rate:	214
		PR Interval:	_____
		QRS Interval:	Wide and Bizarre
		QT Interval:	_____
		RHYTHM:	Polymorphic V-Tach (Torsades)

The rhythm looks irregular- If you utilize your calipers and march out the R waves, you will see that although bizarre, these beats still come at regular intervals.

19	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	70
		Ventricular Rate:	60
		PR Interval:	0.22 When Present
		QRS Interval:	0.08 when present
		QT Interval:	0.46 when present
		RHYTHM:	Second Degree Type 2

The underlying rhythm is normal sinus in nature- Due to the non conducted QRS complex with with normal and consistent PR intervals, this is a second degree type 2.

20	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	125
		Ventricular Rate:	125
		PR Interval:	0.16
		QRS Interval:	0.08
		QT Interval:	0.28
		RHYTHM:	Sinus Tachycardia

21	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	No
		Atrial Rate:	None
		Ventricular Rate:	30
		PR Interval:	_____
		QRS Interval:	0.08
		QT Interval:	Flat T Waves
		RHYTHM:	Junctional Rhythm with Ventricular Bigeminy

Note: There are no P waves before the QRS Complexes. There are inverted P waves with the PVCs due to retrograde conduction.

22	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None
		Atrial Rate:	_____
		Ventricular Rate:	50
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	0.44
		RHYTHM:	Junctional Bradycardia

23	RHYTHM	Regular or Irregular :	Appears Regular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	50
		PR Interval:	P waves do not cause the QRS Complexes
		QRS Interval:	0.10
		QT Interval:	0.44
		RHYTHM:	3 rd Degree / Complete Heart Block

24	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	No
		Atrial Rate:	None
		Ventricular Rate:	Fibrillation Waves
		PR Interval:	_____
		QRS Interval:	_____
		QT Interval:	_____
		RHYTHM:	Ventricular Fibrillation

25	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	No
		Atrial Rate:	_____
		Ventricular Rate:	214
		PR Interval:	_____
		QRS Interval:	Wide and Bizarre
		QT Interval:	_____
		RHYTHM:	V-Tach (Torsades)

26	RHYTHM	Regular or Irregular :	No rhythm
		P Waves Present:	No
		Atrial Rate:	None
		Ventricular Rate:	None
		PR Interval:	_____
		QRS Interval:	_____
		QT Interval:	_____
		RHYTHM:	Asystole

27	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	30
		PR Interval:	P waves do not conduct to the ventricles
		QRS Interval:	0.08
		QT Interval:	0.56
		RHYTHM:	3 rd Degree / Complete Heart Block

28	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None
		Atrial Rate:	_____
		Ventricular Rate:	166
		PR Interval:	_____
		QRS Interval:	Wide and Bizarre
		QT Interval:	_____
		RHYTHM:	V Tach

Note: This rhythm strip is longer than 6 seconds.

29	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	None
		Atrial Rate:	_____
		Ventricular Rate:	30
		PR Interval:	_____
		QRS Interval:	0.20
		QT Interval:	0.40
		RHYTHM:	V-Fib to Agonal Rhythm

30	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None / Pacing Spikes
		Atrial Rate:	_____
		Ventricular Rate:	70
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	0.48
		RHYTHM:	Paced with Capture

31	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	None / acing Spikes Noted
		Atrial Rate:	None
		Ventricular Rate:	107
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	0.32
		RHYTHM:	Paced with Capture

32	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	60
		Ventricular Rate:	60
		PR Interval:	.024
		QRS Interval:	0.16
		QT Interval:	0.44
		RHYTHM:	Sinus Rhythm with 1 st degree and Bundle Branch Block

33	RHYTHM	Regular or Irregular :	Regular
		P Waves Present:	Yes
		Atrial Rate:	60
		Ventricular Rate:	60
		PR Interval:	0.32
		QRS Interval:	0.08
		QT Interval:	0.52
		RHYTHM:	Normal Sinus with 1 st degree and prolonged QT

34	RHYTHM	Regular or Irregular :	Irregular	Underlying rhythm is sinus bradycardia with a Bundle Branch Block
		P Waves Present:	Yes	
		Atrial Rate:	60	
		Ventricular Rate:	30	
		PR Interval:	0.16 when present	
		QRS Interval:	0.16 when present	
		QT Interval:	0.48	
		RHYTHM:	2 nd degree type 2	

35	RHYTHM	Regular or Irregular :	Regular	Regular
		P Waves Present:	Yes	No
		Atrial Rate:	83	_____
		Ventricular Rate:	83	166
		PR Interval:	0.16	_____
		QRS Interval:	0.08	0.08
		QT Interval:	0.40	0.40
		RHYTHM:	Normal Sinus	SVT

Rhythm changes from a normal sinus rhythm to a rapid onset of SVT

36	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	60
		Ventricular Rate:	40
		PR Interval:	0.18, 0.24, 0.36
		QRS Interval:	0.12 when present
		QT Interval:	0.48 when present
		RHYTHM:	2 nd degree type 1

37	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	70
		Ventricular Rate:	60
		PR Interval:	0.16, 0.20, 0.32, 0.48
		QRS Interval:	0.08
		QT Interval:	0.36
		RHYTHM:	2 nd Degree type 2

38	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	40
		PR Interval:	_____
		QRS Interval:	0.12
		QT Interval:	0.52
		RHYTHM:	Complete Heart Block

39	RHYTHM	Regular or Irregular :	Irregular
		P Waves Present:	Yes
		Atrial Rate:	80
		Ventricular Rate:	40
		PR Interval:	_____
		QRS Interval:	0.08
		QT Interval:	0.36
		RHYTHM:	Complete Heart Block

