

Strip 8-10

Rhythm: Atrial rhythm regular; Ventricular rhythm irregular
Rate: Atrial: 75; Ventricular: 30
P waves: 2 Sinus P waves before each QRS
PR interval: 0.20–0.22 seconds
QRS: 0.08–0.10 seconds
Rhythm interpretation: Second-degree AV block, Mobitz II (clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present) ST segment depression is present

Strip 8-11

Rhythm: Atrial rhythm regular; ventricular rhythm regular
Rate: Atrial 63; Ventricular: 33
P waves: Sinus P waves are present; P waves have no relationship to QRS (found hidden in QRS and T waves)
PR interval: Varies greatly
QRS: 0.12 seconds
Rhythm interpretation: Third-degree AV block; ST segment depression and T wave inversion are present

Strip 8-12

Rhythm: Regular
Rate: 84
P waves: Hidden in QRS
PR interval: Not measurable
QRS: 0.06–0.08 seconds
Rhythm interpretation: Accelerated junctional rhythm; ST segment depression is present

Strip 8-13

Rhythm: Regular
Rate: 65
P waves: Sinus
PR interval: 0.44–0.48 seconds
QRS: 0.08–0.10 seconds
Rhythm interpretation: Normal sinus rhythm with first-degree AV block; an elevated ST segment is present

Strip 8-14

Rhythm: Basic rhythm regular; irregular with PJC
Rate: Basic rhythm rate 136
P waves: Sinus P waves with basic rhythm; hidden P wave with PJC
PR interval: 0.12 to 0.14 seconds
QRS: 0.04–0.06 seconds
Rhythm interpretation: Sinus tachycardia with PJC (13th complex)

Strip 8-15

Rhythm: Regular
Rate: 94
P waves: Sinus
PR interval: 0.26–0.28 seconds
QRS: 0.06 seconds
Rhythm interpretation: Normal sinus rhythm with first-degree AV block

Strip 8-16

Rhythm: Basic rhythm regular; irregular with premature beat
Rate: Basic rate 58
P waves: Sinus with basic rhythm; inverted P wave with premature beat
PR interval: Basic rhythm 0.16–0.18 seconds; PJC 0.08 seconds
QRS: 0.06–0.08 seconds
Rhythm interpretation: Sinus bradycardia with 1 PJC (4th complex); ST segment depression is present

Strip 8-17

Rhythm: Regular atrial and ventricular rhythm
Rate: Atrial: 108; ventricular: 54
P waves: Two P waves to each QRS complex
PR interval: 0.20 and constant
QRS: 0.08 to 0.10 seconds
Rhythm interpretation: Second-degree AV block Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present; ST segment elevation and T wave inversion are present

Strip 8-18

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
Rate: Atrial: 65; ventricular: 50
P waves: Sinus P waves present; one P wave without QRS
PR interval: Progresses from 0.20 to 0.48 seconds
QRS: 0.04 seconds
Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-19

Rhythm: Regular
Rate: 125
P waves: Inverted before each QRS
PR interval: 0.08 to 0.10 seconds
QRS: 0.06 seconds
Rhythm interpretation: Junctional tachycardia

Strip 8-20

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 100 Ventricular: 38
 P waves: Sinus P waves present; bear no relationship to QRS (found hidden in QRS and T waves)
 PR interval: Varies greatly
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Third-degree AV block; ST segment depression is present

Strip 8-21

Rhythm: Basic rhythm regular; irregular with PJC
 Rate: Basic rhythm rate 60
 P waves: Sinus P waves with basic rhythm; premature, inverted P wave with PJC
 PR interval: 0.12 to 0.14 seconds (basic rhythm); 0.08 seconds (PJC)
 QRS: 0.08 seconds (basic rhythm and PJC)
 Rhythm interpretation: Normal sinus rhythm with one PJC (4th complex)

Strip 8-22

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial, 100; ventricular, 50
 P waves: Two sinus P waves before each QRS complex
 PR interval: 0.16 and constant
 QRS: 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present

Strip 8-23

Rhythm: Regular
 Rate: 35
 P waves: Sinus
 PR interval: 0.60–0.62 seconds (remains constant)
 QRS: 0.06 seconds
 Rhythm interpretation: Sinus bradycardia with first-degree AV block

Strip 8-24

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
 Rate: Atrial, 68; ventricular, 60
 P waves: Sinus P waves present; one without a QRS
 PR interval: Progresses from 0.28 to 0.36 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz I; a U wave is present

Strip 8-25

Rhythm: Regular
 Rate: 75
 P waves: Sinus P waves
 PR interval: 0.28
 QRS: 0.08 seconds
 Rhythm interpretation: Sinus rhythm with first-degree AV block

Strip 8-26

Rhythm: Basic rhythm regular; irregular with PJCs
 Rate: Basic rhythm rate 100
 P waves: Sinus P waves with basic rhythm; premature, inverted P waves with PJCs
 PR interval: 0.20 seconds (basic rhythm); 0.06 seconds (PJC)
 QRS: 0.06 to 0.08 seconds (basic rhythm and PJC)
 Rhythm interpretation: Normal sinus rhythm with paired PJCs; (8th and 9th complexes); ST segment depression is present

Strip 8-27

Rhythm: Regular
 Rate: 65
 P waves: Inverted before each QRS
 PR interval: 0.08 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Accelerated junctional rhythm; ST segment is present

Strip 8-28

Rhythm: Basic rhythm regular; irregular with nonconducted PAC
 Rate: Basic rhythm rate 56
 P waves: Sinus P waves with basic rhythm; premature, abnormal P wave without QRS
 PR interval: 0.24–0.26 seconds (remains constant)
 QRS: 0.08 seconds
 Rhythm interpretation: Sinus bradycardia with first-degree AV block and nonconducted PAC (follows 4th QRS); ST segment depression is present

Strip 8-29

Rhythm: Regular atrial rhythm; irregular ventricular rhythm
 Rate: Atrial: 63; Ventricular: 50
 P waves: Sinus P waves are present
 PR interval: Progressively lengthens from 0.28–0.32 seconds
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Second degree AV block, Mobitz I; ST segment depression is present

Strip 8-30

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 79; Ventricular: 32
 P waves: Sinus P waves which have no constant relationship to QRS (found hidden in QRS complexes and T waves)
 PR interval: Varies greatly
 QRS: 0.12 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-31

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial, 84; ventricular, 28
 P waves: Three sinus P waves to each QRS
 PR interval: 0.28 to 0.32 (remains constant)
 QRS: 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II

Strip 8-32

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 75; Ventricular: 34
 P waves: Sinus P waves present with no relationship to QRS complexes (found hidden in QRS and T waves)
 PR interval: Varies greatly
 QRS: 0.12–0.14 seconds
 Rhythm interpretation: Third-degree AV block; ST segment elevation is present

Strip 8-33

Rhythm: Basic rhythm regular; irregular with PAC
 Rate: Basic rhythm rate 100
 P waves: Inverted before QRS in basic rhythm; upright and premature with PAC
 PR interval: 0.08 seconds (basic rhythm); 0.12 seconds (PAC)
 QRS: 0.08 seconds (basic rhythm and PAC)
 Rhythm interpretation: Accelerated junctional rhythm with one PAC (6th complex); ST segment depression is present

Strip 8-34

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
 Rate: Atrial: 75; ventricular: 50
 P waves: Sinus P waves present; two P waves without QRS
 PR interval: Progresses from 0.28 to 0.40 seconds
 QRS: 0.08 to 0.10 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-35

Rhythm: Regular
 Rate: 60
 P waves: Sinus
 PR interval: 0.24–0.26 seconds
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with first-degree AV block

Strip 8-36

Rhythm: Regular
 Rate: 41
 P waves: Inverted after QRS
 PR interval: 0.04 to 0.06 seconds
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Junctional rhythm

Strip 8-37

Rhythm: Basic rhythm regular; irregular with PJC
 Rate: Basic rhythm rate 58
 P waves: Sinus P waves with basic rhythm; premature, inverted P waves with PJCs
 PR interval: 0.16 seconds (basic rhythm); 0.08 to 0.10 seconds (PJC)
 QRS: 0.08 seconds (basic rhythm and PJC)
 Rhythm interpretation: Sinus bradycardia with two PJCs (4th complex and 6th complex); a U wave is present

Strip 8-38

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 66; Ventricular: 33
 P waves: 2 Sinus P waves to each QRS
 PR interval: 0.44 seconds (remains constant)
 QRS: 0.14–0.16 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II; clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present

Strip 8-39

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 52; ventricular: 26
 P waves: Two sinus P waves present before each QRS complex
 PR interval: 0.22 (remains constant)
 QRS: 0.12 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present

Strip 8-40

Rhythm: Regular atrial rhythm; irregular ventricular rhythm

Rate: Atrial: 107; Ventricular: 50

P waves: Sinus P waves present—bear no relationship to QRS complexes (found hidden in QRS and T waves)

PR interval: Varies greatly

QRS: 0.08 seconds

Rhythm interpretation: Third-degree AV block

Strip 8-41

Rhythm: Regular

Rate: 68

P waves: Inverted before each QRS

PR interval: 0.08 seconds

QRS: 0.06–0.08 seconds

Rhythm interpretation: Accelerated junctional rhythm

Strip 8-42

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 104; Ventricular: 52

P waves: Two sinus P waves to each QRS complex

PR interval: 0.24 and constant

QRS: 0.06 to 0.08 seconds

Rhythm interpretation: Second-degree AV block, Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present; ST segment elevation and T wave inversion are present

Strip 8-43

Rhythm: First rhythm irregular; second rhythm regular

Rate: First rhythm about 80; second rhythm 42

P waves: Fibrillatory waves in first rhythm; hidden

P waves in second rhythm

PR interval: Not measurable in either rhythm

QRS: 0.06–0.08 seconds

Rhythm interpretation: Atrial fibrillation to junctional rhythm; ST segment depression is present

Strip 8-44

Rhythm: Basic rhythm regular; irregular with premature beats

Rate: Basic rhythm rate 60

P waves: Sinus P waves with basic rhythm;

premature, abnormal P waves with premature beats

PR interval: 0.12 to 0.16 seconds (basic rhythm);

0.12 seconds (PAC); 0.08 sec (PJC)

QRS: 0.06 to 0.08 seconds

Rhythm interpretation: Normal sinus rhythm with one PAC (4th complex) and one PJC (5th complex); ST segment depression and T wave inversion are present

Strip 8-45

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 72; Ventricular: 32

P waves: Sinus P waves present; bear no relationship to QRS complexes (hidden in QRS and T waves)

PR interval: Varies greatly

QRS: 0.12 seconds

Rhythm interpretation: Third-degree AV block;

ST segment elevation is present

Strip 8-46

Rhythm: Irregular

Rate: 40

P waves: Sinus P waves are present

PR interval: 0.28 seconds (remains constant)

QRS: 0.08 to 0.10 seconds

Rhythm interpretation: Sinus arrhythmia with first-degree AV block; a U wave is present

Strip 8-47

Rhythm: Regular atrial rhythm; irregular ventricular rhythm

Rate: Atrial: 79; Ventricular: 50

P waves: Sinus P waves present

PR interval: Lengthens 0.24–0.40 seconds

QRS: 0.08–0.10 seconds

Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-48

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 108; ventricular: 54

P waves: Two sinus P waves before each QRS complex

PR interval: 0.18 to 0.20 seconds (remains constant)

QRS: 0.08 seconds

Rhythm interpretation: Second-degree AV block

Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present. ST segment elevation and T wave inversion are present

Strip 8-49

Rhythm: Irregular

Rate: 40

P waves: Inverted before each QRS

PR interval: 0.04 to 0.06 seconds

QRS: 0.08 to 0.10 seconds

Rhythm interpretation: Junctional rhythm; ST segment depression is present

Strip 8-50

Rhythm: Basic rhythm regular; irregular with escape beat
 Rate: Basic rhythm rate 84; rate slows to 75 after escape beat; rate suppression can occur following premature or escape beats; after several cycles rate will return to basic rate
 P waves: Sinus P waves present; P wave hidden with escape beat
 PR interval: 0.14 to 0.16 seconds
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with junctional escape beat (5th complex) following a pause in the basic rhythm; a U wave is present

Strip 8-51

Rhythm: Regular ventricular rhythm; irregular atrial rhythm
 Rate: Atrial: 70; ventricular: 25
 P waves: Sinus P waves present; bear no relationship to QRS
 PR interval: Varies greatly
 QRS: 0.12 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-52

Rhythm: Regular
 Rate: 63
 P waves: Hidden in QRS
 PR interval: Not measurable
 QRS: 0.08 seconds
 Rhythm interpretation: Accelerated junctional rhythm

Strip 8-53

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 76; ventricular: 38
 P waves: Two sinus P waves before each QRS complex
 PR interval: 0.24–0.26 seconds
 QRS: 0.12–0.14 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present

Strip 8-54

Rhythm: Regular
 Rate: 94
 P waves: Inverted before QRS
 PR interval: 0.08 seconds
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Accelerated junctional rhythm

Strip 8-55

Rhythm: Basic rhythm regular
 Rate: 55 (basic rhythm)
 P waves: Sinus P waves with basic rhythm (notched P waves usually indicate left atrial hypertrophy); no P wave seen with 4th complex; 5th complex has P wave on top of preceding T wave
 PR interval: 0.20 seconds (basic rhythm); 0.40 seconds (PAC)
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Sinus bradycardia with 1 junctional escape beat (4th complex) and 1 PAC (5th complex) (Both follow a pause in the basic rhythm)

Strip 8-56

Rhythm: Both rhythms regular
 Rate: 72 (first rhythm) about 140 (second rhythm)
 P waves: Sinus P waves (first rhythm); inverted P waves (second rhythm)
 PR interval: 0.12 seconds (first rhythm); 0.08 to 0.10 seconds (second rhythm)
 QRS: 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm changing to junctional tachycardia; ST segment depression is present

Strip 8-57

Rhythm: Regular
 Rate: 84
 P waves: Sinus P waves present
 PR interval: 0.30 to 0.32 seconds (remains constant)
 QRS: 0.04–0.06 seconds
 Rhythm interpretation: Normal sinus rhythm with first-degree AV block; ST segment elevation is present

Strip 8-58

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 75; ventricular: 30
 P waves: Sinus P waves present; bear no relationship to QRS
 PR interval: Varies greatly
 QRS: 0.12 to 0.14 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-59

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 93; ventricular: 31
 P waves: 3 Sinus P waves to each QRS (one hidden in T-wave)
 PR interval: 0.32 to 0.36 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II; ST segment depression is present

Strip 8-60

Rhythm: Basic rhythm regular; irregular with premature beats
 Rate: Basic rhythm rate 60
 P waves: Sinus P waves present with basic rhythm; premature, abnormal P waves with premature beats
 PR interval: 0.12 seconds (basic rhythm); 0.12 seconds (PAC); 0.08 to 0.10 seconds (PJs)
 QRS: 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with one PAC (3rd complex) and paired PJs (6th and 7th complexes)

Strip 8-61

Rhythm: Regular
 Rate: 47
 P waves: Hidden in QRS
 PR interval: Not measurable
 QRS: 0.08 seconds
 Rhythm interpretation: Junctional rhythm

Strip 8-62

Rhythm: Basic rhythm regular; irregular with nonconducted PAC
 Rate: Basic rhythm rate 79—rate slows to 63 following pause (temporary rate suppression is common following a pause in the basic rhythm)
 P waves: Sinus with basic rhythm; premature, pointed P wave distorting T wave following 6th QRS
 PR interval: 0.24 seconds (remains constant)
 QRS: 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with first degree AV block; a nonconducted PAC is present following 6th QRS

Strip 8-63

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
 Rate: Atrial: 75; ventricular: 50
 P waves: Sinus P waves are present
 PR interval: Progresses from 0.24 to 0.32 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-64

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 72; ventricular: 31
 P waves: Sinus P waves present; bear no relationship to QRS (hidden in QRS complexes and T waves)
 PR interval: Varies greatly
 QRS: 0.12 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-65

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 90; ventricular: 45
 P waves: Two sinus P waves to each QRS
 PR interval: 0.26–0.28 seconds (remains constant)
 QRS: 0.12 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz II; clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present; ST segment elevation is present

Strip 8-66

Rhythm: Regular
 Rate: 79
 P waves: Inverted P waves before each QRS
 PR interval: 0.08–0.10 seconds
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Accelerated junctional rhythm

Strip 8-67

Rhythm: Regular
 Rate: 94
 P waves: Sinus
 PR interval: 0.24 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with first-degree AV block

Strip 8-68

Rhythm: Basic rhythm regular; irregular with premature beats
 Rate: Basic rhythm rate 72
 P waves: Sinus P waves with basic rhythm; premature, abnormal P waves with premature beats
 PR interval: 0.14 to 0.16 seconds (basic rhythm); 0.12 seconds (PACs); 0.10 seconds (PJs)
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with two PACs (3rd and 8th complex) and one PJC (5th complex); a U wave is present

Strip 8-69

Rhythm: Basic rhythm regular; irregular with premature beats
 Rate: Basic rhythm rate 52
 P waves: Hidden with basic rhythm; premature, abnormal with premature beats
 PR interval: Not measurable in basic rhythm; 0.12–0.14 seconds (PACs)
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Junctional rhythm with two PACs (2nd and 5th complex); ST segment depression is present

Strip 8-70

Rhythm: Irregular ventricular rhythm; regular atrial rhythm

Rate: Atrial: 79; ventricular: 70

P waves: Sinus P waves present

PR interval: Progresses from 0.24 to 0.28 seconds

QRS: 0.08 seconds

Rhythm interpretation: Second-degree AV block Mobitz I

Strip 8-71

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 80; ventricular: 40

P waves: Two sinus P waves to each QRS

PR interval: 0.24 seconds (remain constant)

QRS: 0.04 to 0.06 seconds

Rhythm interpretation: Second-degree AV block, Mobitz II; clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present; ST segment depression is present

Strip 8-72

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 94; ventricular: 40

P waves: Sinus P waves are present; bear no relationship to QRS (hidden in QRS complexes and T waves)

PR interval: Varies greatly

QRS: 0.10 seconds

Rhythm interpretation: Third-degree AV block

Strip 8-73

Rhythm: Regular

Rate: 84

P waves: Hidden in QRS complexes

PR interval: Not measurable

QRS: 0.06 seconds

Rhythm interpretation: Accelerated junctional rhythm; ST segment depression and T wave inversion are present

Strip 8-74

Rhythm: Regular atrial rhythm; irregular ventricular rhythm

Rate: Atrial: 54 Ventricular: 50

P waves: Sinus P waves are present

PR interval: Lengthens from 0.34–0.44 seconds

QRS: 0.08 seconds

Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-75

Rhythm: Basic rhythm regular; irregular with escape beat

Rate: Basic rhythm rate 58

P waves: Sinus P waves with basic rhythm; hidden P wave with escape beat

PR interval: 0.16 to 0.18 seconds

QRS: 0.08 to 0.10 seconds

Rhythm interpretation: Sinus bradycardia with junctional escape beat (4th complex) following a pause in the basic rhythm

Strip 8-76

Rhythm: Regular

Rate: 47

P waves: Hidden in QRS

PR interval: Not measurable

QRS: 0.06–0.08 seconds

Rhythm interpretation: Junctional rhythm; ST segment depression is present

Strip 8-77

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 94; ventricular: 44

P waves: Sinus P waves are present; P waves bear no relationship to QRS (found hidden in QRS complexes and T waves)

PR interval: Varies greatly

QRS: 0.14–0.16 seconds

Rhythm interpretation: Third-degree AV block; ST segment elevation is present

Strip 8-78

Rhythm: Basic rhythm regular; irregular with premature beats

Rate: Basic rhythm rate 68

P waves: Sinus with basic rhythm; premature abnormal P waves with premature beats

PR interval: 0.12–0.14 seconds (basic rhythm); 0.14 seconds (PAC); 0.10 seconds (PJC)

QRS: 0.06–0.08 seconds

Rhythm interpretation: Normal sinus rhythm with 1 PAC (3rd complex) and 1 PJC (7th complex) a U wave is present

Strip 8-79

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 80; ventricular: 40

P waves: Two P waves to each QRS

PR interval: 0.12 to 0.14 seconds (remain constant)

QRS: 0.06–0.08 seconds

Rhythm interpretation: Second-degree AV block, Mobitz II; clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present

Strip 8-80

Rhythm: Basic rhythm regular; irregular with nonconducted PAC
 Rate: Basic rhythm rate 72
 P waves: Sinus with basic rhythm; premature, pointed P wave without QRS follows 6th QRS
 PR interval: 0.22–0.24 seconds (remains constant)
 QRS: 0.04–0.06 seconds
 Rhythm interpretation: Normal sinus rhythm with first-degree AV block and 1 nonconducted PAC (follows 6th QRS); ST segment depression and T wave inversion are present

Strip 8-81

Rhythm: Regular
 Rate: 88
 P waves: Inverted before each QRS
 PR interval: 0.08 seconds
 QRS: 0.06–0.08 seconds
 Rhythm interpretation: Accelerated junctional rhythm

Strip 8-82

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
 Rate: Atrial: 75; ventricular: 50
 P waves: Sinus P waves are present
 PR interval: Progresses from 0.26 to 0.40 seconds
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz I; ST depression is present

Strip 8-83

Rhythm: Regular
 Rate: 107
 P waves: Inverted before each QRS
 PR interval: 0.08 seconds
 QRS: 0.08–0.10 seconds
 Rhythm interpretation: Junctional tachycardia

Strip 8-84

Rhythm: There are two separate rhythms, both regular
 Rate: 79 (1st rhythm); 84 (2nd rhythm)
 P waves: Sinus (1st rhythm); inverted (2nd rhythm)
 PR interval: 0.14–0.16 seconds (1st rhythm); 0.08 seconds (2nd rhythm)
 QRS: 0.06–0.08 seconds (both rhythms)
 Rhythm interpretation: Normal sinus rhythm changing to accelerated junctional rhythm

Strip 8-85

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 79; ventricular: 31
 P waves: Sinus P waves present; bear no relationship to QRS; hidden in QRS complexes and T waves
 PR interval: Varies greatly
 QRS: 0.12 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-86

Rhythm: Regular
 Rate: 60
 P waves: Sinus P waves present
 PR interval: 0.24 seconds
 QRS: 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with first-degree AV block; ST segment depression and T wave inversion are present

Strip 8-87

Rhythm: Regular atrial and ventricular rhythm
 Rate: Atrial: 88; ventricular: 33
 P waves: Sinus P waves present—bear no relationship to QRS (found hidden in QRS and T waves)
 PR interval: Varies greatly
 QRS: 0.12–0.14 seconds
 Rhythm interpretation: Third-degree AV block

Strip 8-88

Rhythm: Basic rhythm regular; irregular with premature and escape beats
 Rate: Basic rate is 60
 P waves: Sinus P waves with basic rhythm; pointed P wave with atrial beat and inverted P wave with junctional beats
 PR interval: 0.12–0.14 seconds (basic rhythm); 0.14 seconds (atrial beat); 0.08–0.10 seconds (junctional beats)
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with one PJC (3rd complex), one atrial escape beat (4th complex), and one junctional escape beat (5th complex)

Strip 8-89

Rhythm: Irregular ventricular rhythm; regular atrial rhythm
 Rate: Atrial, 65; ventricular, 50
 P waves: Sinus P waves present
 PR interval: Progresses from 0.32 to 0.40 seconds
 QRS: 0.08–0.10 seconds
 Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-90

Rhythm: Regular

Rate: 107

P waves: Inverted before each QRS

PR interval: 0.08 to 0.10 seconds

QRS: 0.06 seconds

Rhythm interpretation: Junctional tachycardia

Strip 8-91

Rhythm: Basic rhythm regular; irregular with nonconducted PAC

Rate: Basic rhythm rate 88

P waves: Sinus with basic rhythm; premature pointed P wave deforming T wave following 6th QRS; pointed abnormal P wave with 7th QRS

PR interval: 0.22–0.24 seconds (remains constant)

QRS: 0.06–0.08 seconds

Rhythm interpretation: Normal sinus rhythm with First-Degree AV Block; Nonconducted PAC (following 6th QRS); an atrial escape beat (7th complex) occurs during the pause following the nonconducted PAC (note different P wave when compared with that of underlying rhythm)

Strip 8-92

Rhythm: Irregular ventricular rhythm; regular atrial rhythm

Rate: Atrial: 75; ventricular: 30

P waves: Sinus P waves present (two to three P waves before each QRS)

PR interval: 0.16 seconds (remains constant)

QRS: 0.12 seconds

Rhythm interpretation: Second-degree AV block, Mobitz II; ST segment depression is present

Strip 8-93

Rhythm: Regular

Rate: 65

P waves: Inverted before each QRS

PR interval: 0.08–0.10 seconds

QRS: 0.06 seconds

Rhythm interpretation: Accelerated junctional rhythm; ST segment elevation is present

Strip 8-94

Rhythm: Regular with basic rhythm; irregular with PJCs

Rate: Basic rhythm rate 72

P waves: Sinus P waves with basic rhythm; inverted P waves with PJCs

PR interval: 0.14 seconds (basic rhythm); 0.08 seconds (PJCs)

QRS: 0.08 seconds

Rhythm interpretation: Normal sinus rhythm with 2 PJCs (4th and 6th complex)

Strip 8-95

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial: 90; ventricular: 45

P waves: Two sinus P waves before each QRS complex

PR interval: 0.16 seconds (remains constant)

QRS: 0.12 seconds

Rhythm interpretation: Second-degree AV block Mobitz II. Clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present. T wave inversion is present

Strip 8-96

Rhythm: Regular atrial rhythm; irregular ventricular rhythm

Rate: Atrial: 75 Ventricular: 70

P waves: Sinus P waves present

PR interval: Lengthens from 0.32–0.40 seconds

QRS: 0.04–0.06 seconds

Rhythm interpretation: Second-degree AV block, Mobitz I

Strip 8-97

Rhythm: Regular

Rate: 40

P waves: Hidden in QRS

PR interval: Not measurable

QRS: 0.10 seconds

Rhythm interpretation: Junctional rhythm; ST segment elevation is present

Strip 8-98

Rhythm: Regular atrial and ventricular rhythm

Rate: Atrial; 80; Ventricular: 40

P waves: 2 sinus P waves to each QRS

PR interval: 0.22–0.24 seconds (remain constant)

QRS: 0.10 seconds

Rhythm interpretation: Second-degree AV block, Mobitz II; clinical correlation is suggested to diagnose Mobitz II when 2:1 conduction is present; ST segment elevation is present

Strip 8-99

Rhythm: Basic rhythm regular; irregular with PJC

Rate: Basic rhythm rate 84

P waves: Sinus P waves with basic rhythm; inverted P waves with PJC

PR interval: 0.12 seconds (basic rhythm); 0.08 seconds (PJC)

QRS: 0.06 to 0.08 seconds

Rhythm interpretation: Normal sinus rhythm with one PJC