

*** Strip 9-1**

Rhythm: Regular
Rate: 167
P waves: Absent
PR interval: Not measurable
QRS: 0.12–0.14 seconds
Rhythm interpretation: Ventricular tachycardia

Strip 9-2

Rhythm: Regular
Rate: 65
P waves: Sinus; notched P waves usually indicate left atrial hypertrophy
PR interval: 0.14–0.16 seconds
QRS: 0.12–0.14 seconds
Rhythm interpretation: Normal sinus rhythm with bundle branch block; an elevated ST segment is present

Strip 9-3

Rhythm: Basic rhythm regular; irregular with PVCs
Rate: Basic rhythm rate 75
P waves: Sinus P waves with basic rhythm; no P waves associated with PVCs; sinus P waves can be seen after the PVCs
PR interval: 0.18 to 0.20 seconds
QRS: 0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
Rhythm interpretation: Normal sinus rhythm with two unifocal PVCs (5th complex and 8th complex)

Strip 9-4

Rhythm: Irregular
Rate: 30
P waves: Absent
PR interval: Not measurable
QRS: 0.16 seconds
Rhythm interpretation: Idioventricular rhythm

Strip 9-5

Rhythm: 0
Rate: Not measurable
P waves: Chaotic wave deflection of varying height, size, and shape
PR interval: Not measurable
QRS: Absent
Rhythm interpretation: Ventricular fibrillation

Strip 9-6

Rhythm: Basic rhythm regular; irregular with PVCs
Rate: Basic rhythm 100
P waves: Sinus P waves present with basic rhythm
PR interval: 0.14 to 0.16 seconds (basic rhythm)
QRS: 0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
Rhythm interpretation: Normal sinus rhythm with unifocal PVCs in a bigeminal pattern (2nd, 4th, 6th, 8th complex)

Strip 9-7

Rhythm: First rhythm (cannot be determined for sure; only one cardiac cycle); second rhythm irregular
Rate: First rhythm 54; second rhythm 80
P waves: Sinus P waves present with basic rhythm
PR interval: 0.16 seconds (basic rhythm)
QRS: 0.08 seconds (basic rhythm); 0.12 seconds (ventricular beats)
Rhythm interpretation: Sinus bradycardia changing to accelerated idioventricular rhythm; ST segment depression is present (basic rhythm)

Strip 9-8

Rhythm: 1st rhythm: irregular; 2nd rhythm: irregular
Rate: 1st rhythm: 60; 2nd rhythm: about 200
P waves: 1st rhythm: fibrillation waves; 2nd rhythm: none identified
PR interval: Not measurable
QRS: 1st rhythm: 0.06–0.08 seconds; 2nd rhythm: 0.12–0.14 seconds
Rhythm interpretation: Atrial fibrillation with burst of ventricular tachycardia; ST segment depression is noted with basic rhythm

Strip 9-9

Rhythm: Ventricular rhythm regular; atrial rhythm slightly irregular
Rate: Atrial, about 36; ventricular, 38
P waves: Sinus P waves present; bear no relationship to QRS
PR interval: Varies
QRS: 0.12 seconds
Rhythm interpretation: Third-degree AV block changing to ventricular standstill, ST segment elevation is present

Strip 9-10

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 79
 P waves: Sinus P waves present with basic rhythm
 PR interval: 0.16 seconds
 QRS: 0.06 seconds (basic rhythm); 0.14 to 0.16 seconds (PVCs)
 Rhythm interpretation: Normal sinus rhythm with paired unifocal PVCs (6th and 7th complex)

Strip 9-11

Rhythm: Regular
 Rate: 42
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.12 to 0.14 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-12

Rhythm: Regular
 Rate: 125
 P waves: Sinus
 PR interval: 0.12 seconds
 QRS: 0.12 seconds
 Rhythm interpretation: Sinus tachycardia with bundle branch block; an elevated ST segment is present

Strip 9-13

Rhythm: Cannot be determined
 Rate: 0
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: One QRS complex followed by ventricular standstill

Strip 9-14

Rhythm: Regular
 Rate: 214
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.16 seconds
 Rhythm interpretation: Ventricular tachycardia

Strip 9-15

Rhythm: Basic rhythm regular
 Rate: Basic rhythm 50
 P waves: Sinus in basic rhythm
 PR interval: 0.16–0.18 seconds
 QRS: 0.08 seconds (basic rhythm) 0.14 seconds (PVC)
 Rhythm interpretation: Sinus bradycardia with one PVC (3rd complex); ST segment depression is present

Strip 9-16

Rhythm: Chaotic
 Rate: 0
 P waves: Absent; wave deflections are irregular and vary in height, size, and shape
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-17

Rhythm: Chaotic
 Rate: 0
 P waves: Wave deflections are chaotic and vary in height, size, and shape
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation followed by electrical shock and return to ventricular fibrillation

Strip 9-18

Rhythm: Regular
 Rate: 107
 P waves: Sinus
 PR interval: 0.16–0.18 seconds
 QRS: 0.12 seconds
 Rhythm interpretation: Sinus tachycardia with bundle branch block

Strip 9-19

Rhythm: Irregular
 Rate: Atrial: 300; Ventricular: 50
 P waves: Flutter waves before each QRS
 PR interval: Not measurable
 QRS: 0.06–0.08 seconds (basic rhythm) 0.12 seconds (PVC)
 Rhythm interpretation: Atrial flutter with variable AV conduction and 1 PVC (5th complex)

Strip 9-20

Rhythm: Regular atrial rhythm
 Rate: Atrial, 136; ventricular, 0 (no QRS complexes)
 P waves: Sinus P waves are present
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular standstill

Strip 9-21

Rhythm: Irregular
 Rate: 40
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.16 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-22

Rhythm: Chaotic
 Rate: 0 (no QRS complexes)
 P waves: None identified
 PR interval: No measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-23

Rhythm: Regular
 Rate: 100
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: Accelerated idioventricular rhythm

Strip 9-24

Rhythm: Irregular
 Rate: 60
 P waves: Fibrillation waves present
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: Atrial fibrillation with bundle branch block; ST segment depression and T wave inversion are present

Strip 9-25

Rhythm: Basic rhythm regular
 Rate: 1st rhythm (100); 2nd rhythm (188)
 P waves: Sinus with basic rhythm
 PR interval: 0.14–0.16 seconds
 QRS: 0.08 seconds (basic rhythm); 0.12–0.16 seconds (ventricular beats)
 Rhythm interpretation: Normal sinus rhythm with burst of ventricular tachycardia and paired PVCs

Strip 9-26

Rhythm: Basic rhythm regular; irregular with PVC
 Rate: Basic rhythm rate 107
 P waves: Sinus with basic rhythm
 PR interval: 0.18–0.20 seconds
 QRS: 0.08–0.10 seconds (basic rhythm); 0.16 seconds (PVC)
 Rhythm interpretation: Sinus tachycardia with 1 PVC (R-on-T pattern); an elevated ST segment is present

Strip 9-27

Rhythm: Regular
 Rate: 43
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.16 to 0.18 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-28

Rhythm: Regular
 Rate: 250
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.12–0.16 seconds (QRS complexes change in polarity from negative to positive across strip)
 Rhythm interpretation: Ventricular tachycardia (torsades de pointes)

Strip 9-29

Rhythm: Regular
 Rate: 84
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.14–0.16 seconds
 Rhythm interpretation: Accelerated idioventricular rhythm

Strip 9-30

Rhythm: Chaotic
 Rate: 0
 P waves: Absent; wave deflections are irregular and vary in height, size, and shape
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-31

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 115
 P waves: Sinus P waves with basic rhythm
 PR interval: 0.14 to 0.16 seconds
 QRS: 0.04 to 0.06 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Sinus tachycardia with two unifocal PVCs (4th complex and 12th complex)

Strip 9-32

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 125
 P waves: Sinus with basic rhythm
 PR interval: 0.14–0.16 seconds
 QRS: 0.08–0.10 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Sinus tachycardia with multifocal paired PVCs (8th and 9th complex)



Strip 9-33

Rhythm: Basic rhythm regular
 Rate: Basic rate 37
 P waves: Sinus with basic rhythm
 PR interval: 0.14–0.16 seconds
 QRS: 0.06–0.08 seconds (basic rhythm); 0.12 seconds (PVC)
 Rhythm interpretation: Sinus bradycardia with 1 ventricular escape beat (3rd complex)

Strip 9-34

Rhythm: 1st rhythm regular; 2nd rhythm regular
 Rate: 1st rhythm (72); 2nd rhythm (150)
 P waves: Sinus with basic rhythm
 PR interval: 0.18–0.20 seconds
 QRS: 0.08 seconds (basic rhythm); 0.12 seconds (ventricular beats)
 Rhythm interpretation: Normal sinus rhythm with burst of ventricular tachycardia; an inverted T wave is present in basic rhythm

Strip 9-35

Rhythm: Chaotic
 Rate: 0
 P waves: Absent; wave deflections vary in height, size, and shape
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-36

Rhythm: Irregular
 Rate: About 30
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: Idioventricular rhythm; ST segment elevation is present

Strip 9-37

Rhythm: Not measurable
 Rate: Not measurable (1 complex present)
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.28 seconds or wider
 Rhythm interpretation: One ventricular complex followed by ventricular standstill

Strip 9-38

Rhythm: Regular
 Rate: 84
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.14–0.16 seconds
 Rhythm interpretation: Accelerated idioventricular rhythm

Strip 9-39

Rhythm: Basic rhythm regular
 Rate: Basic rhythm rate 115
 P waves: Inverted before each QRS in basic rhythm
 PR interval: 0.08 seconds (basic rhythm)
 QRS: 0.06 to 0.08 seconds (basic rhythm); 0.12 seconds (PVC)
 Rhythm interpretation: Junctional tachycardia with one PVC (10th complex)

Strip 9-40

Rhythm: Regular atrial rhythm
 Rate: Atrial, 30; ventricular, 0 (no QRS complexes)
 P waves: Sinus P waves present
 PR interval: No measurable
 QRS: Absent
 Rhythm interpretation: Ventricular standstill

Strip 9-41

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 65
 P waves: Sinus P waves present with basic rhythm
 PR interval: 0.16 seconds
 QRS: 0.06 to 0.08 seconds (basic rhythm); 0.12 seconds (PVC)
 Rhythm interpretation: Normal sinus rhythm with two unifocal PVCs (3rd and 6th complex); ST segment depression is present

Strip 9-42

Rhythm: Basic rhythm irregular
 Rate: Basic rhythm rate 100
 P waves: Basic rhythm (fibrillation waves)
 PR interval: Not measurable
 QRS: 0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Atrial fibrillation with a burst of ventricular tachycardia

Strip 9-43

Rhythm: 1st rhythm (regular); 2nd rhythm (irregular)
 Rate: 1st rhythm (100); 2nd rhythm (100)
 P waves: Sinus with basic rhythm
 PR interval: 0.12 seconds
 QRS: 1st rhythm (0.12–0.14 seconds); 2nd rhythm (0.12 seconds)
 Rhythm interpretation: Normal sinus rhythm with bundle branch block with transient episode of accelerated idioventricular rhythm

Strip 9-44

Rhythm: First rhythm (cannot be determined for sure; only one cardiac cycle present); second rhythm (regular)

Rate: First rhythm 50; second rhythm 41

P waves: Sinus P waves with first rhythm

PR interval: 0.12 seconds (first rhythm)

QRS: 0.06 to 0.08 seconds (first rhythm); 0.12 to 0.14 seconds (second rhythm)

Rhythm interpretation: Sinus bradycardia changing to idioventricular rhythm; a U wave is present

Strip 9-45

Rhythm: Regular

Rate: 214

P waves: Not identified

PR interval: Not measurable

QRS: 0.16–0.18 seconds or wider

Rhythm interpretation: Ventricular tachycardia

Strip 9-46

Rhythm: Basic rhythm slightly irregular; irregular with ventricular beats

Rate: Basic rhythm is about 58

P waves: Sinus P waves with basic rhythm

PR interval: 0.20 seconds

QRS: 0.06 seconds (basic rhythm); 0.16 seconds (1st ventricular beat); 0.12 seconds (2nd ventricular beat)

Rhythm interpretation: Sinus bradycardia, with one PVC (4th complex) and 1 ventricular escape beat (5th complex); ST segment depression is present

Strip 9-47

Rhythm: Basic rhythm regular; irregular with PVC

Rate: Basic rhythm rate 94

P waves: Sinus with basic rhythm

PR interval: 0.20 seconds

QRS: 0.08 seconds (basic rhythm); 0.12 seconds (PVC)

Rhythm interpretation: Normal sinus rhythm with 1 PVC (5th complex)

Strip 9-48

Rhythm: Not measurable

Rate: Not measurable (1 complex present)

P waves: None identified

PR interval: Not measurable

QRS: 0.12 seconds

Rhythm interpretation: 1 ventricular complex followed by ventricular standstill

Strip 9-49

Rhythm: Regular

Rate: 56

P waves: Sinus P waves present

PR interval: 0.12 to 0.16 seconds

QRS: 0.12 seconds

Rhythm interpretation: Sinus bradycardia with bundle branch block; ST segment depression is present

Strip 9-50

Rhythm: Regular

Rate: 188

P waves: Not identified

PR interval: Not measurable

QRS: 0.12 seconds

Rhythm interpretation: Ventricular tachycardia

Strip 9-51

Rhythm: Regular atrial rhythm; irregular ventricular rhythm

Rate: Atrial, 58; ventricular, about 40

P waves: Sinus P waves present

PR interval: Progresses from 0.30 to 0.36 seconds

QRS: 0.08 seconds (basic rhythm); 0.12 seconds (escape beat)

Rhythm interpretation: Second-degree AV block, Mobitz I with one ventricular escape beat

Strip 9-52

Rhythm: 1st rhythm regular; 2nd rhythm regular

Rate: 1st rhythm: 72; 2nd rhythm: 72

P waves: Sinus in 1st rhythm

PR interval: 0.12–0.14 seconds (1st rhythm)

QRS: 0.08 seconds (1st rhythm); 0.12–0.14 seconds (2nd rhythm)

Rhythm interpretation: Normal sinus rhythm with a transient episode of accelerated idioventricular rhythm

Strip 9-53

Rhythm: Slightly irregular atrial rhythm

Rate: Atrial: about 40 ventricular: 0 (no QRS complexes)

P waves: Sinus P waves present

PR interval: Not measurable

QRS: Absent

Rhythm interpretation: Ventricular standstill

Strip 9-54

Rhythm: Regular
 Rate: 84
 P waves: Sinus
 PR interval: 0.16 seconds
 QRS: 0.12–0.14 seconds
 Rhythm interpretation: Normal sinus rhythm with bundle branch block; a depressed ST segment is present

Strip 9-55

Rhythm: Regular
 Rate: 41
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.16 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-56

Rhythm: Regular
 Rate: 75
 P waves: Sinus P waves present
 PR interval: 0.12 seconds
 QRS: 0.16–0.18 seconds
 Rhythm interpretation: Normal sinus rhythm with bundle branch block. T wave inversion is present

Strip 9-57

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 72
 P waves: Sinus with basic rhythm
 PR interval: 0.12 seconds
 QRS: 0.08 seconds (basic rhythm); 0.12–0.14 seconds (PVCs)
 Rhythm interpretation: Normal sinus rhythm with unifocal PVCs (4th, 8th complex) in a quadrigeminal pattern

Strip 9-58

Rhythm: Atrial: regular P waves; Ventricular: not measurable—only 1 QRS complex present
 Rate: Atrial: 29; Ventricular: not measurable—only 1 QRS complex
 P waves: Sinus P waves present
 PR interval: Not measurable
 QRS: 0.08 seconds
 Rhythm interpretation: One QRS complex followed by ventricular standstill

Strip 9-59

Rhythm: Chaotic
 Rate: 0
 P waves: Absent; wave deflections are irregular and chaotic and vary in size, shape, height
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-60

Rhythm: Not measurable (only 1 QRS)
 Rate: Not measurable (only 1 QRS)
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.12 seconds or greater
 Rhythm interpretation: One QRS complex followed by ventricular standstill

Strip 9-61

Rhythm: Regular (first rhythm); regular (second rhythm)
 Rate: 100 (first rhythm); 100 (second rhythm)
 P waves: Sinus P waves with first rhythm; no P waves with second rhythm
 PR interval: 0.14 to 0.16 seconds (first rhythm)
 QRS: 0.06 to 0.08 seconds (first rhythm); 0.12 seconds (second rhythm)
 Rhythm interpretation: Normal sinus rhythm changing to accelerated idioventricular rhythm

Strip 9-62

Rhythm: Regular
 Rate: 40
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.16 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-63

Rhythm: Regular
 Rate: 167
 P waves: Not identified
 PR interval: Not measurable
 QRS: 0.16–0.18 seconds
 Rhythm interpretation: Ventricular tachycardia

Strip 9-64

Rhythm: Regular
 Rate: 88
 P waves: Sinus
 PR interval: 0.22–0.24 seconds
 QRS: 0.12 seconds
 Rhythm interpretation: Normal sinus rhythm with bundle branch block and first-degree AV block

Strip 9-65

Rhythm: Irregular
 Rate: Basic rhythm rate 80
 P waves: Fibrillation waves present
 PR interval: Not measurable
 QRS: 0.06–0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Atrial fibrillation with paired PVCs

Strip 9-66

Rhythm: Basic rhythm regular
 Rate: Basic rhythm rate 84
 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 changing to ventricular standstill

Strip 9-67

Rhythm: Chaotic
 Rate: 0
 P waves: None identified
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation

Strip 9-68

Rhythm: Regular
 Rate: 167
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.14–0.16 seconds
 Rhythm interpretation: Ventricular tachycardia

Strip 9-69

Rhythm: 1st rhythm regular; 2nd rhythm slightly irregular
 Rate: 1st rhythm (115); 2nd rhythm (about 214)
 P waves: Sinus in first rhythm; none identified in 2nd rhythm
 PR interval: 0.12–0.14 seconds (1st rhythm)
 QRS: 0.10 seconds (1st rhythm); 0.12–0.16 seconds (2nd rhythm)
 Rhythm interpretation: Sinus tachycardia with burst of ventricular tachycardia returning to sinus tachycardia; an inverted T wave is present

Strip 9-70

Rhythm: Regular
 Rate: 40
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.16 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-71

Rhythm: Regular
 Rate: 100
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: Accelerated idioventricular rhythm

Strip 9-72

Rhythm: 0 (only 1 QRS complex)
 Rate: 0 (only 1 QRS complex)
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.24–0.26 seconds
 Rhythm interpretation: One QRS complex followed by ventricular standstill

Strip 9-73

Rhythm: Regular
 Rate: 188
 P waves: Not identified
 PR interval: Not measurable
 QRS: 0.16–0.20 seconds or wider
 Rhythm interpretation: Ventricular tachycardia followed by electrical shock and return to ventricular tachycardia

Strip 9-74

Rhythm: Basic rhythm regular; irregular with PVC
 Rate: Basic rhythm rate 100
 P waves: Sinus P waves with basic rhythm
 PR interval: 0.14 to 0.16 seconds
 QRS: 0.08 seconds (basic rhythm); 0.12 seconds (PVC)
 Rhythm interpretation: Normal sinus rhythm with one PVC (5th complex)

Strip 9-75

Rhythm: Regular
 Rate: 50
 P waves: Sinus
 PR interval: 0.16–0.18 seconds
 QRS: 0.12–0.14 seconds
 Rhythm interpretation: Sinus bradycardia with bundle branch block

Strip 9-76

Rhythm: 0
 Rate: 0 (no QRS complexes)
 P waves: Sinus P waves present
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular standstill

Strip 9-77

Rhythm: Regular
 Rate: 41
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.12 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-78

Rhythm: 0 (only 1 QRS complex)
 Rate: 0 (only 1 QRS complex)
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.14 seconds
 Rhythm interpretation: One ventricular complex followed by ventricular standstill

Strip 9-79

Rhythm: 0
 Rate: 0
 P waves: Absent; wave deflections are chaotic and vary in height, size, and shape
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation changing to ventricular standstill

Strip 9-80

Rhythm: First rhythm regular; second rhythm regular
 Rate: 94 (first rhythm); 75 (second rhythm)
 P waves: Sinus P waves present with first rhythm
 PR interval: 0.16 seconds
 QRS: 0.12 seconds (first rhythm); 0.12 seconds (second rhythm)
 Rhythm interpretation: Normal sinus rhythm with bundle branch block changing to accelerated idioventricular rhythm and back to NSR; T wave inversion is present

Strip 9-81

Rhythm: Regular atrial rhythm; ventricular rhythm cannot be determined for sure (only one cardiac cycle)
 Rate: Atrial: 94; Ventricular: 40
 P waves: Sinus P waves present; bear no relationship to QRS
 PR interval: Varies greatly
 QRS: 0.14 seconds
 Rhythm interpretation: Third-degree AV block changing to ventricular standstill

Strip 9-82

Rhythm: Regular
 Rate: 72
 P waves: Sinus P waves are present
 PR interval: 0.16 seconds
 QRS: 0.12 seconds
 Rhythm interpretation: Normal sinus rhythm with bundle branch block

Strip 9-83

Rhythm: First rhythm regular; second rhythm irregular, chaotic
 Rate: 214 (first rhythm)
 P waves: None identified
 PR interval: Not measurable
 QRS: 0.16 to 0.18 seconds (first rhythm)
 Rhythm interpretation: Ventricular tachycardia changing to ventricular fibrillation

Strip 9-84

Rhythm: Regular
 Rate: 32
 P waves: Absent
 PR interval: Not measurable
 QRS: 0.20 seconds
 Rhythm interpretation: Idioventricular rhythm

Strip 9-85

Rhythm: Regular with basic rhythm; irregular with PVCs
 Rate: Basic rhythm rate 125
 P waves: Sinus with basic rhythm
 PR interval: 0.12 seconds
 QRS: 0.06–0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Sinus tachycardia with multifocal paired PVCs (8th, 9th complexes)

Strip 9-86

Rhythm: P waves are regular; (no QRS complexes)
 Rate: Atrial: 52; Ventricular: 0
 P waves: Sinus P waves present
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular standstill

Strip 9-87

Rhythm: First rhythm regular; second rhythm irregular
 Rate: 68 (first rhythm); about 80 (second rhythm)
 P waves: Sinus P waves with first rhythm
 PR interval: 0.12 to 0.14 seconds
 QRS: 0.08 seconds (first rhythm); 0.12 seconds (second rhythm)
 Rhythm interpretation: Normal sinus rhythm changing to accelerated idioventricular rhythm

Strip 9-88

Rhythm: Regular
 Rate: 167
 P waves: Not identified
 PR interval: Not measurable
 QRS: 0.16 to 0.20 seconds
 Rhythm interpretation: Ventricular tachycardia (torsades de pointes)

Strip 9-89

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 125
 P waves: Sinus with basic rhythm
 PR interval: 0.12 seconds
 QRS: 0.06–0.08 seconds (basic rhythm); 0.12 seconds (PVCs)
 Rhythm interpretation: Sinus tachycardia with paired PVCs (7th and 8th complexes)

Strip 9-90

Rhythm: Regular atrial rhythm
 Rate: Atrial: 72; ventricular: 0 (no QRS complexes)
 P waves: Sinus P waves present
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular standstill

Strip 9-91

Rhythm: Regular
 Rate: 188
 P waves: Sinus P waves seen between QRS complexes but not associated with QRS
 PR interval: Not measurable
 QRS: 0.18–0.20 seconds or wider
 Rhythm interpretation: Ventricular tachycardia

Strip 9-92

Rhythm: Chaotic
 Rate: 0
 P waves: Wave deflections chaotic—vary in size, shape, direction
 PR interval: Not measurable
 QRS: Absent
 Rhythm interpretation: Ventricular fibrillation; 60-cycle (electrical) interference is noted on baseline

Strip 9-93

Rhythm: Regular
 Rate: 28
 P waves: None
 PR interval: Not measurable
 QRS: 0.20 seconds or wider
 Rhythm interpretation: Idioventricular rhythm

Strip 9-94

Rhythm: Regular
 Rate: 79
 P waves: Sinus P waves present
 PR interval: 0.18 to 0.20 seconds
 QRS: 0.12 seconds
 Rhythm interpretation: Normal sinus rhythm with bundle branch block

Strip 9-95

Rhythm: Basic rhythm regular
 Rate: Basic rhythm rate 68
 P waves: Sinus P waves with basic rhythm
 PR interval: 0.16 to 0.18 seconds
 QRS: 0.06 to 0.08 seconds
 Rhythm interpretation: Normal sinus rhythm with one interpolated PVC (7th complex). Interpolated PVCs are sandwiched between two sinus beats and have no compensatory pause. ST segment depression and T wave inversion are present

*** Strip 9-96**

Rhythm: Basic rhythm regular; irregular with PVCs
 Rate: Basic rhythm rate 72
 P waves: Sinus P waves are present with basic rhythm
 PR interval: 0.12 to 0.14 seconds
 QRS: 0.08 seconds (basic rhythm); 0.12–0.14 seconds (PVCs)
 Rhythm interpretation: Normal sinus rhythm with PVCs in a trigeminal pattern

Strip 10-1

Automatic interval rate: 72
 Analysis: The first four beats are paced beats followed by one patient beat and three paced beats
 Interpretation: Normal pacemaker function

Strip 10-2

Automatic interval rate: 84
 Analysis: The first three beats are paced beats, followed by two patient beats, a pacer spike occurring too early, a patient beat, a fusion beat, and two paced beats
 Interpretation: Undersensing malfunction

Strip 10-3

Automatic interval rate: 72
 Analysis: All beats are pacemaker-induced
 Interpretation: Pacemaker rhythm

