

Episode: VF (218 min⁻¹ / 275 ms)

VT/VF Episode 7 of 8

Page 1 of 3

19 Jan 2013 14:58

Duration 00:17 (M:S)

Detection Criteria 214 min⁻¹

Alerts



Non-sustained episode

Therapy

1) Aborted Defib
36.0 J (830V)

Results

1) Below Rate Detection
(CL 845 ms)

Diagnosis Summary

Diagnosis

VF

Time to Diagnosis

6.75 sec

Rate (CL)

218 min⁻¹ (275 ms)

DeFT Response™ Settings (Shock Waveform)

Waveform Biphasic

Waveform Mode Tilt

Shock Configuration RV to SVC & Can

RV Polarity Anode(+)

Defib Max Sensitivity 0.3 mV

VF Shocks (Defib)

VT Shocks (CVRT)

1st Phase

65 %

Same as Defib

2nd Phase

65 %

Same as Defib

Episode: VF (218 min⁻¹ / 275 ms)

VT/VF Episode 7 of 8

Page 2 of 3

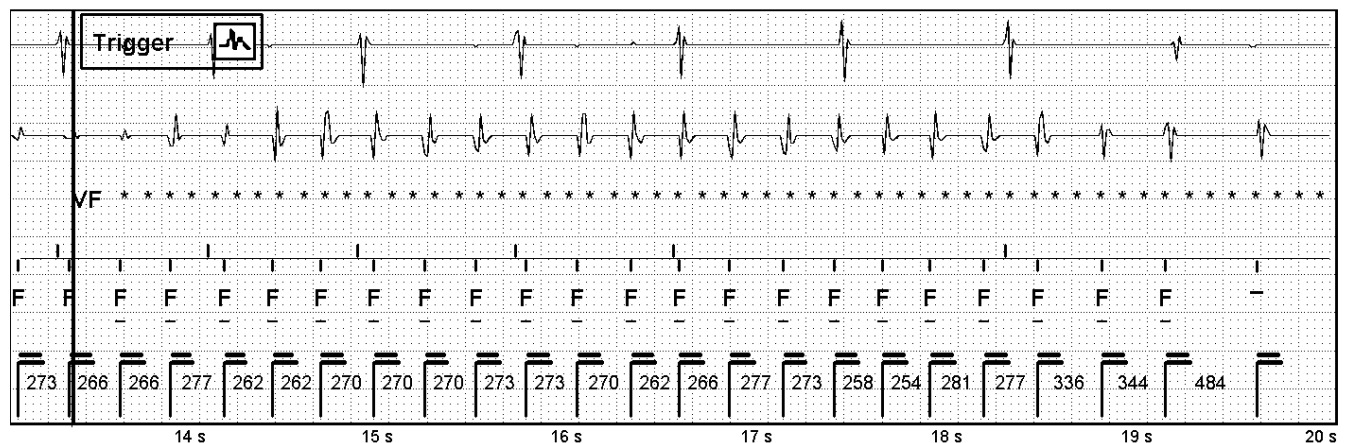
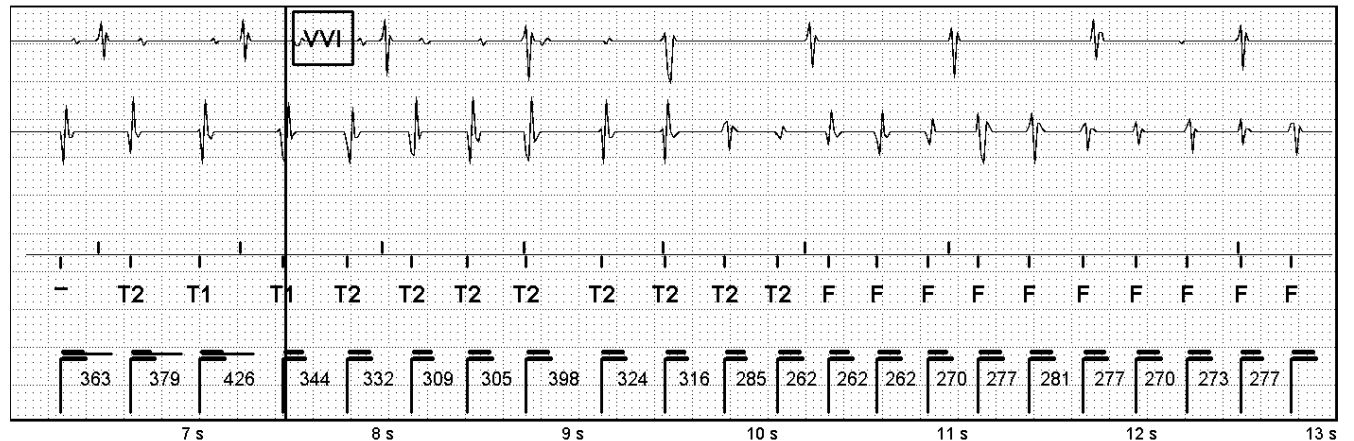
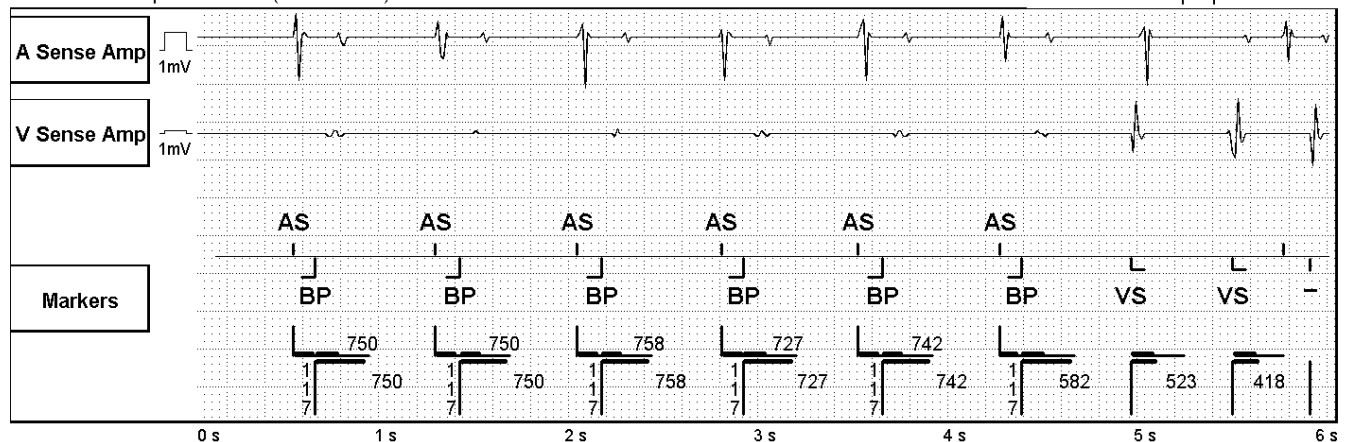
19 Jan 2013 14:58

1: A Sense Amp AutoGain (2.6 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.4 mm/mV)

Sweep Speed: 25 mm/s





Episode: VF (218 min⁻¹ / 275 ms) (Continued)

VT/VF Episode 7 of 8

Page 3 of 3

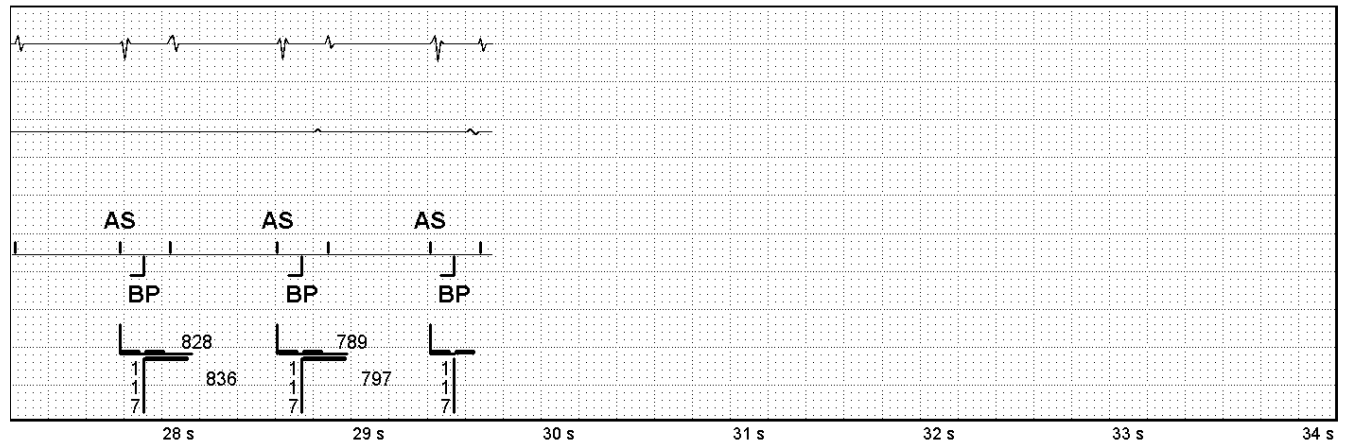
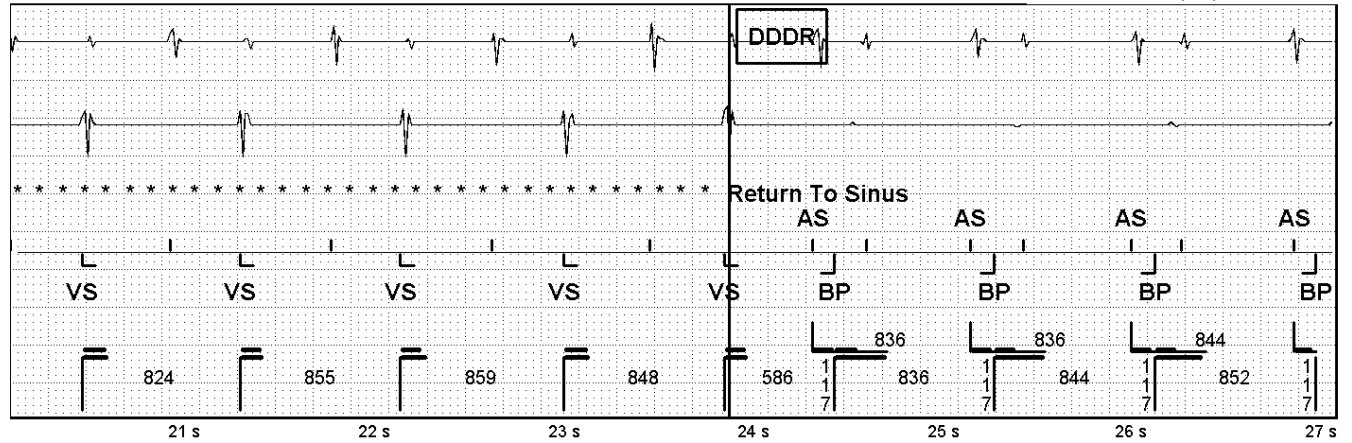
19 Jan 2013 14:58

1: A Sense Amp AutoGain (2.6 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.4 mm/mV)

Sweep Speed: 25 mm/s



Episode: SVT (141 min⁻¹ / 425 ms)

VT/VF Episode 4 of 8

Page 1 of 5

14 Jan 2013 8:57

Duration

01:07 (M:S)

Alerts

Duration over 1 minute

Detection Criteria

139 - 213 min⁻¹



Therapy

Results

No therapies were delivered

Diagnosis Summary

	Diagnosis
	SVT
Time to Diagnosis	4.75 sec
Rate (CL)	141 min ⁻¹ (425 ms)
Zone	VT-1 (Monitor)
Rate Branch Classification	Sinus Tach (V = A) Rate Branch

Sudden Onset

On, < 100 ms indicates SVT

Max Delta

0 ms (SVT Indicated)

SVT Criteria Statistics

SVT Diagnoses during this episode 22

Measured SVT Discriminator values for Episode

Max Onset Delta 0 ms

DeFT Response™ Settings (Shock Waveform)

			1st Phase	2nd Phase
Waveform	Biphasic	VF Shocks (Defib)	65 %	65 %
Waveform Mode	Tilt	VT Shocks (CVRT)	Same as Defib	Same as Defib
Shock Configuration	RV to SVC & Can			
RV Polarity	Anode(+)			
Defib Max Sensitivity	0.3 mV			



Episode: SVT (141 min⁻¹ / 425 ms)

VT/VF Episode 4 of 8

Page 2 of 5

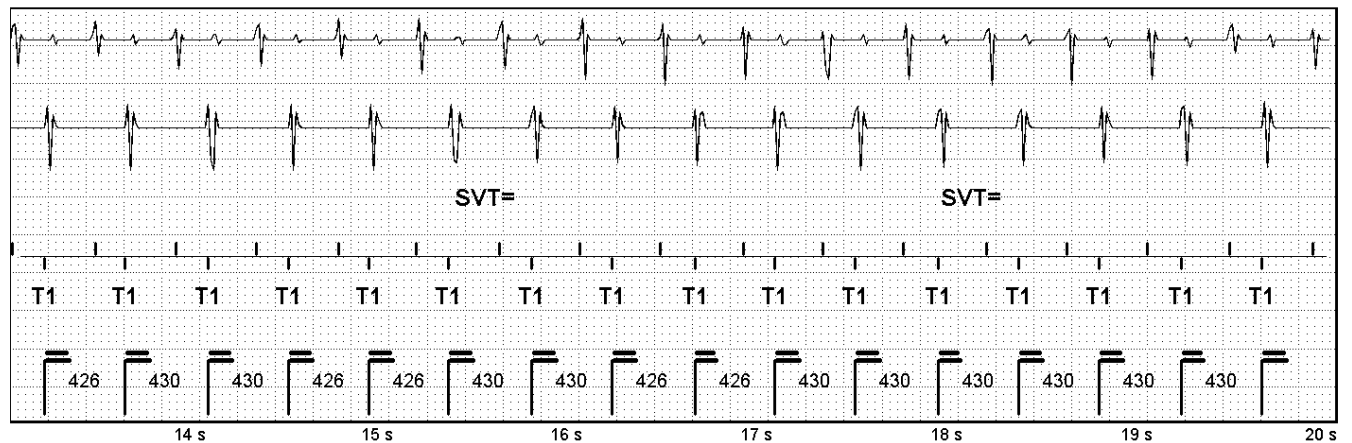
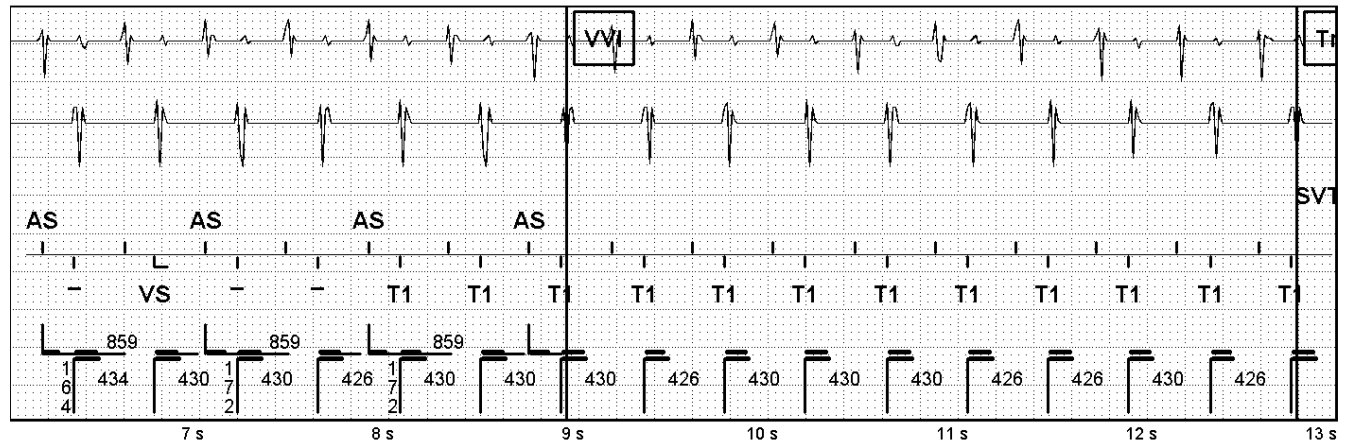
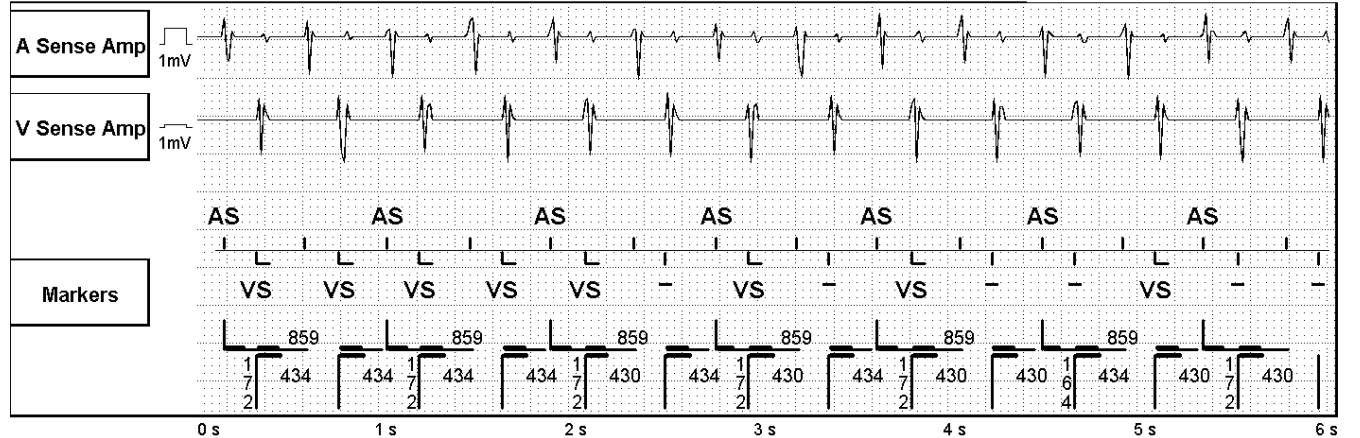
14 Jan 2013 8:57

1: A Sense Amp AutoGain (2.4 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s



Episode: SVT (141 min⁻¹ / 425 ms) (Continued)

VT/VF Episode 4 of 8

Page 3 of 5

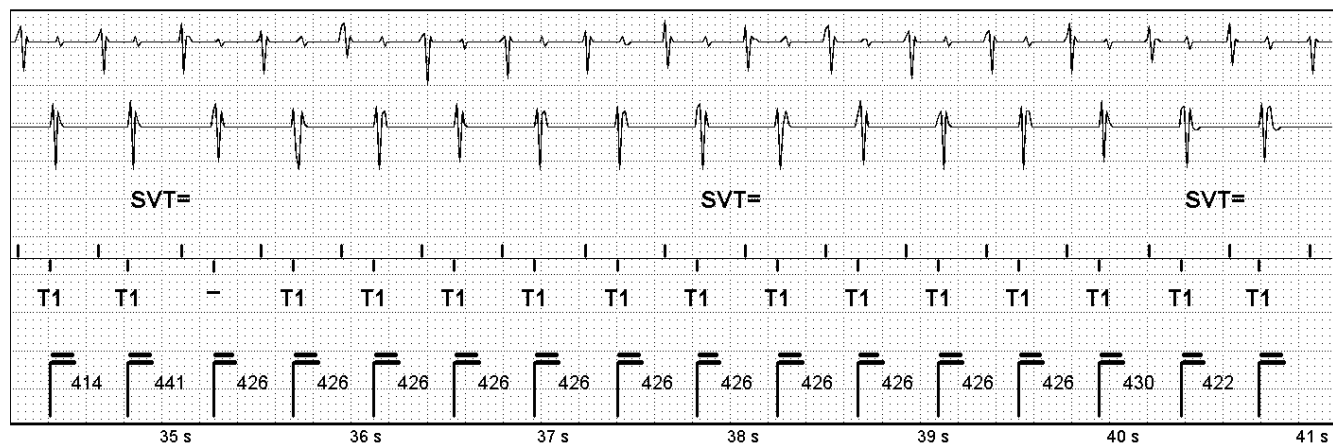
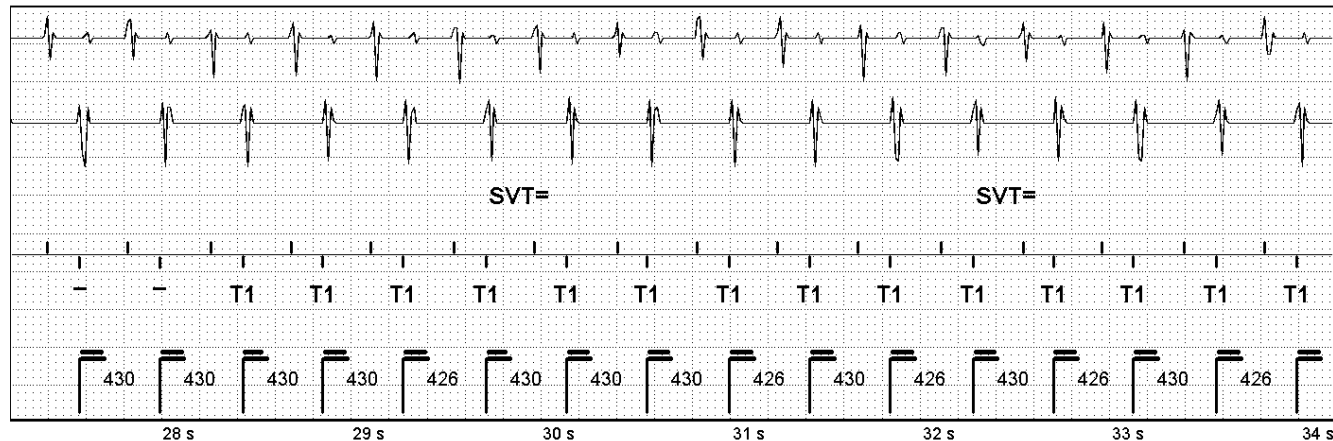
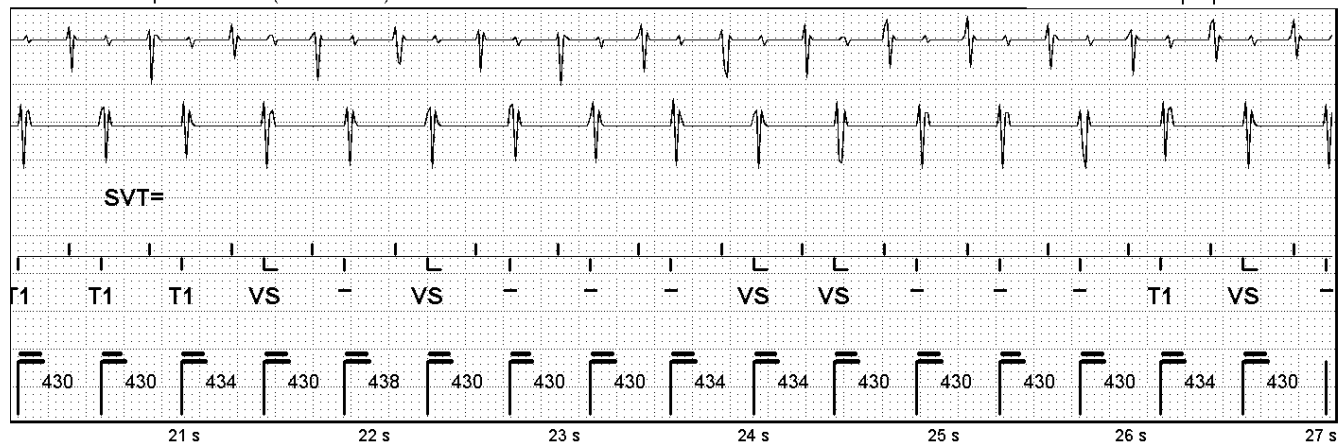
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2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s



Episode: SVT (141 min⁻¹ / 425 ms) (Continued)

VT/VF Episode 4 of 8

Page 4 of 5

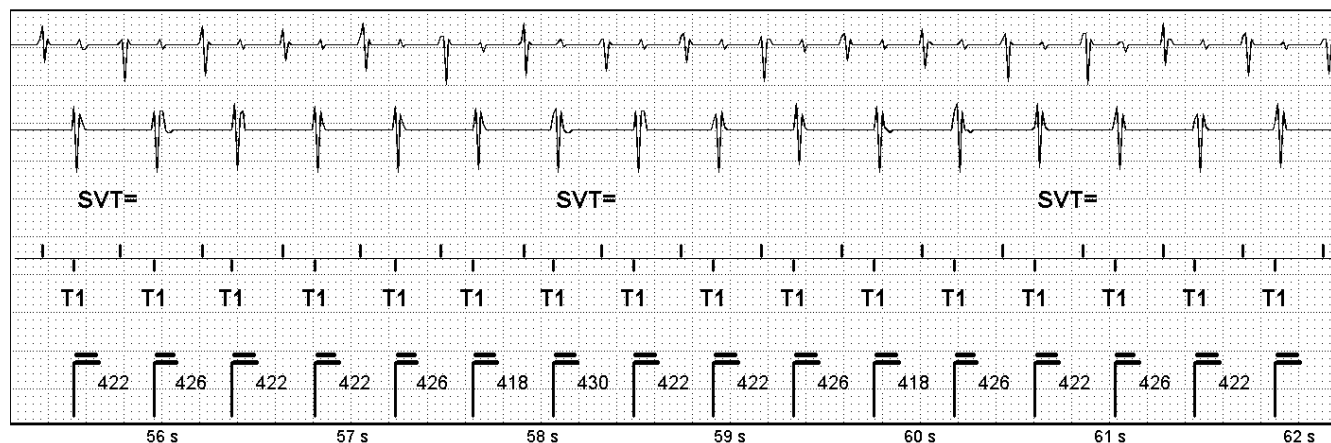
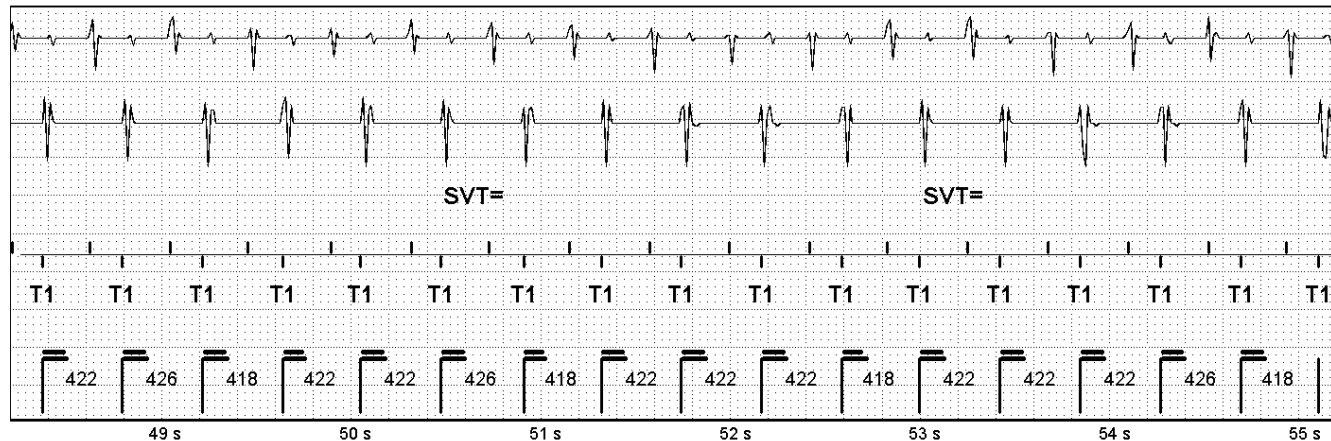
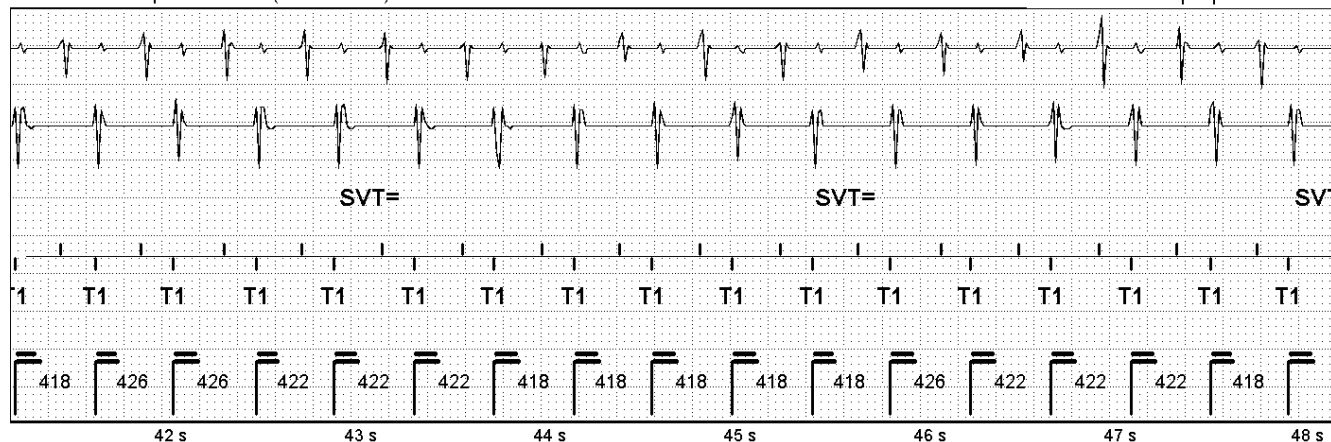
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Sweep Speed: 25 mm/s





Episode: SVT (141 min⁻¹ / 425 ms) (Continued)

VT/VF Episode 4 of 8

Page 5 of 5

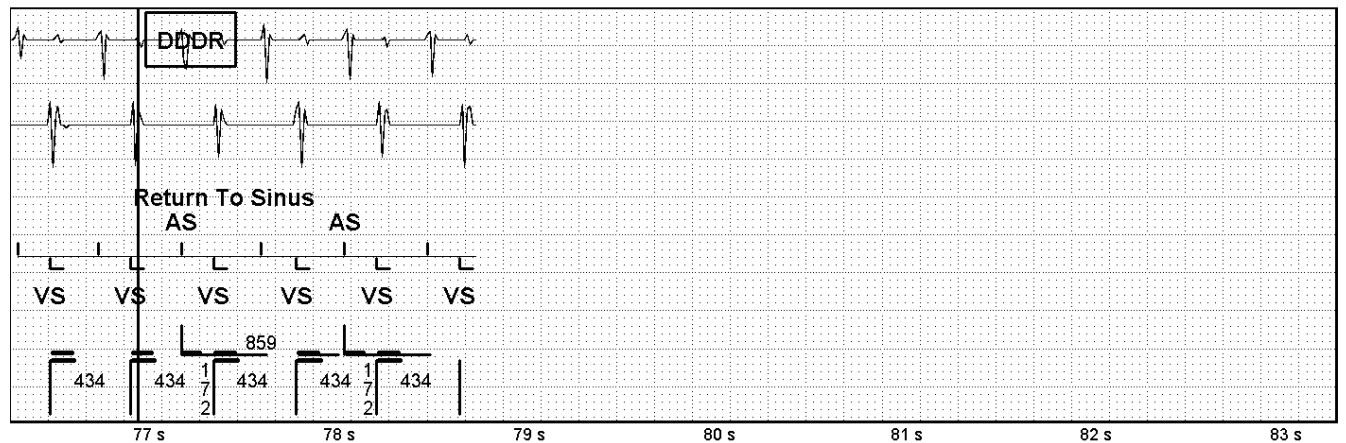
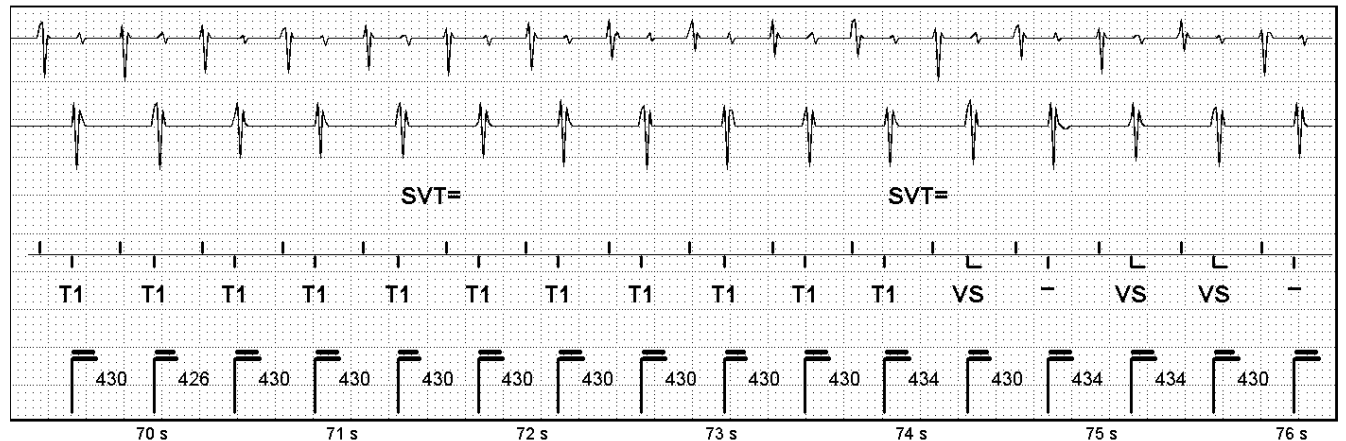
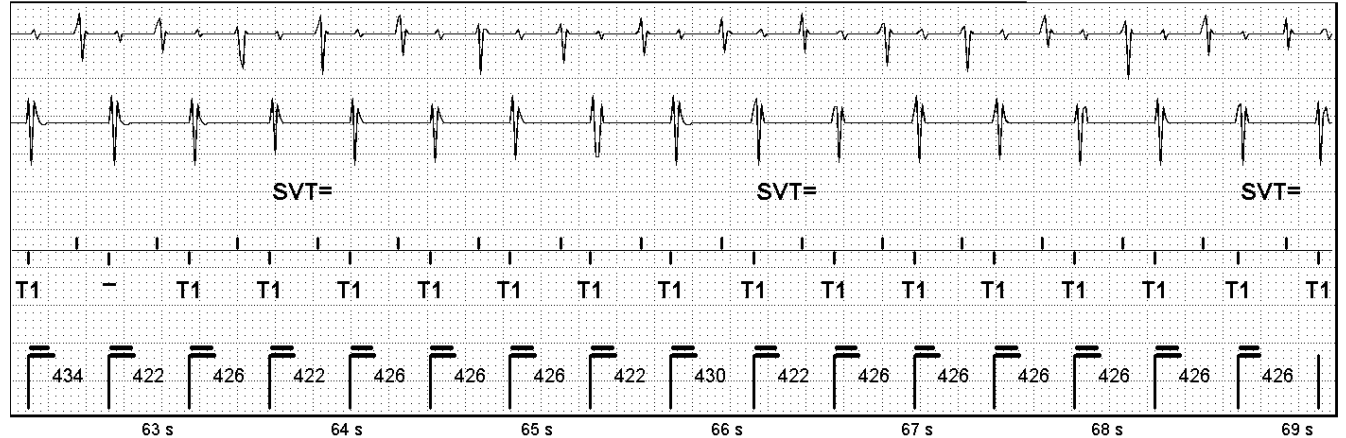
14 Jan 2013 8:57

1: A Sense Amp AutoGain (2.4 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s



Episode: SVT (142 min⁻¹ / 420 ms)

VT/VF Episode 3 of 8

Page 1 of 6

14 Jan 2013 8:55

Duration

01:24 (M:S)

Alerts

Duration over 1 minute

Detection Criteria

139 - 213 min⁻¹



Therapy

Results

No therapies were delivered

Diagnosis Summary

	Diagnosis
	SVT
Time to Diagnosis	4.75 sec
Rate (CL)	142 min ⁻¹ (420 ms)
Zone	VT-1 (Monitor)
Rate Branch Classification	Sinus Tach (V = A) Rate Branch

Sudden Onset

On, < 100 ms indicates SVT

Max Delta

10 ms (SVT Indicated)

SVT Criteria Statistics

SVT Diagnoses during this episode 30

Measured SVT Discriminator values for Episode

Max Onset Delta 10 ms

DeFT Response™ Settings (Shock Waveform)

			1st Phase	2nd Phase
Waveform	Biphasic	VF Shocks (Defib)	65 %	65 %
Waveform Mode	Tilt	VT Shocks (CVRT)	Same as Defib	Same as Defib
Shock Configuration	RV to SVC & Can			
RV Polarity	Anode(+)			
Defib Max Sensitivity	0.3 mV			

Episode: SVT (142 min⁻¹ / 420 ms)

VT/VF Episode 3 of 8

Page 2 of 6

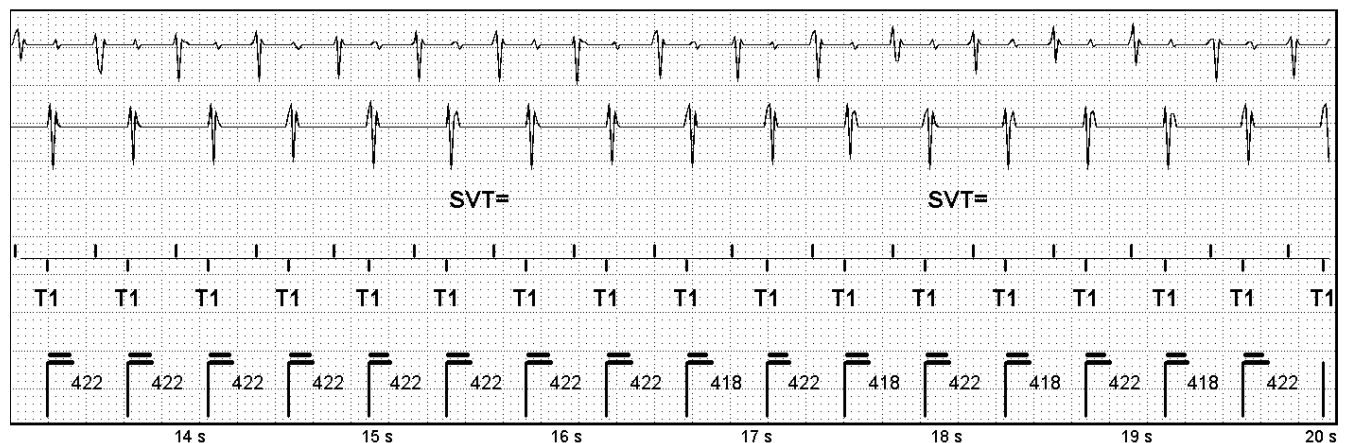
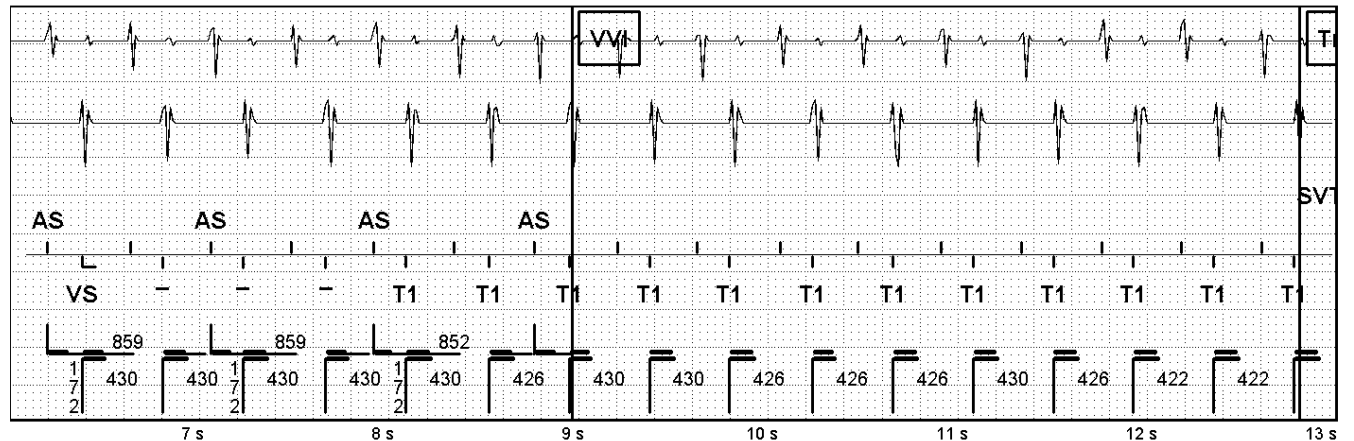
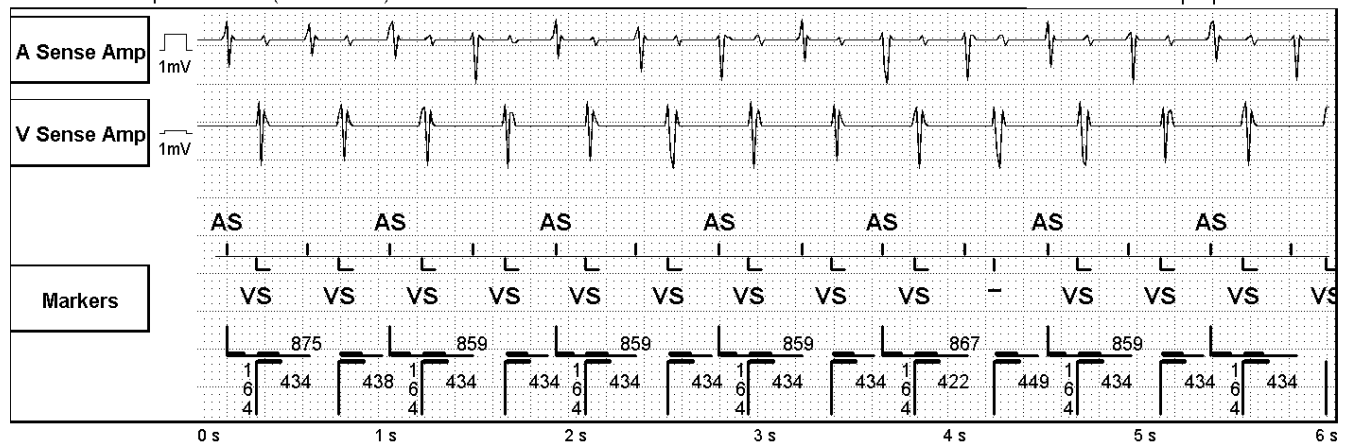
14 Jan 2013 8:55

1: A Sense Amp AutoGain (2.3 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s





Episode: SVT (142 min⁻¹ / 420 ms) (Continued)

VT/VF Episode 3 of 8

Page 3 of 6

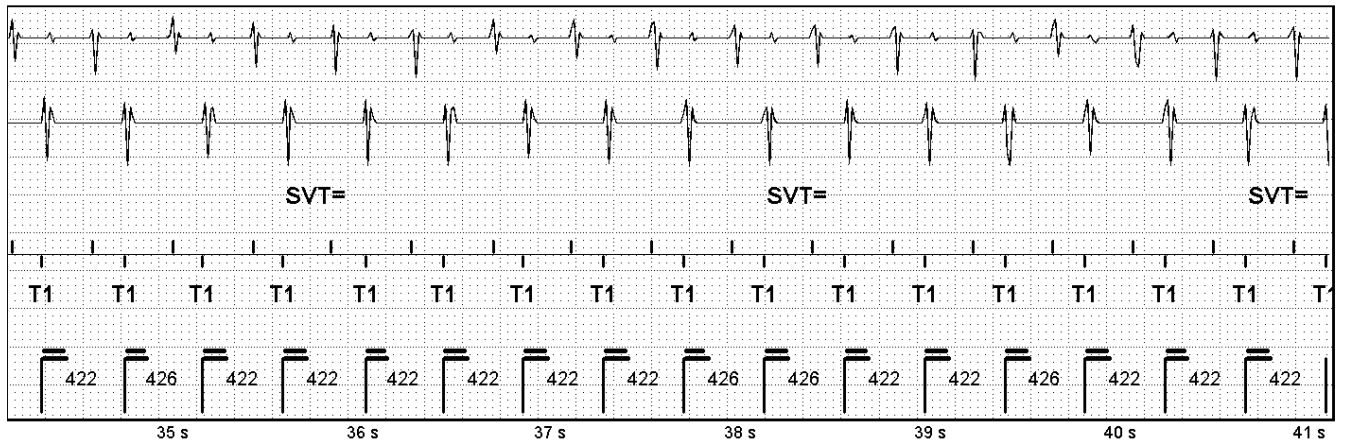
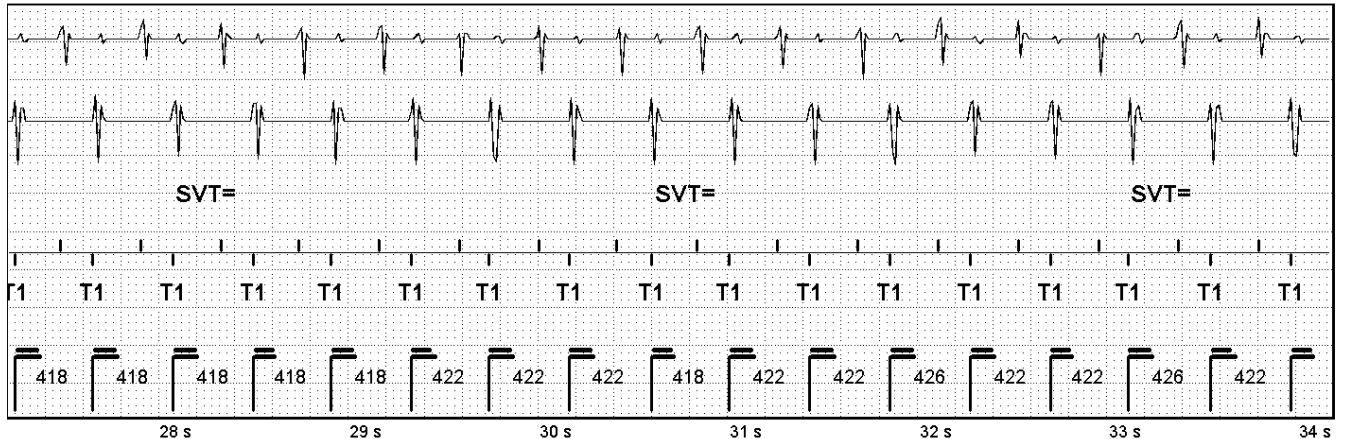
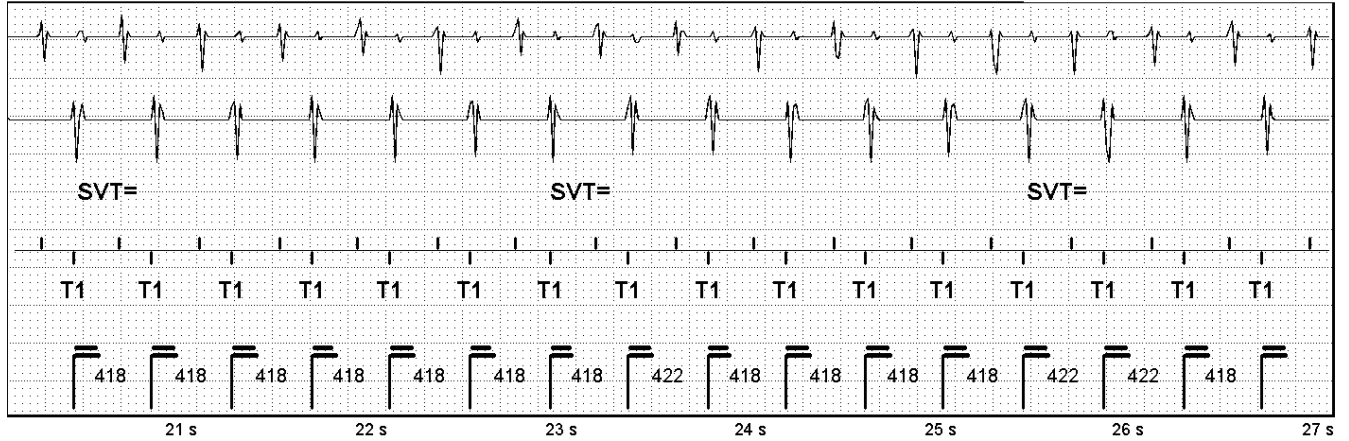
14 Jan 2013 8:55

1: A Sense Amp AutoGain (2.3 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s





Episode: SVT (142 min⁻¹ / 420 ms) (Continued)

VT/VF Episode 3 of 8

Page 4 of 6

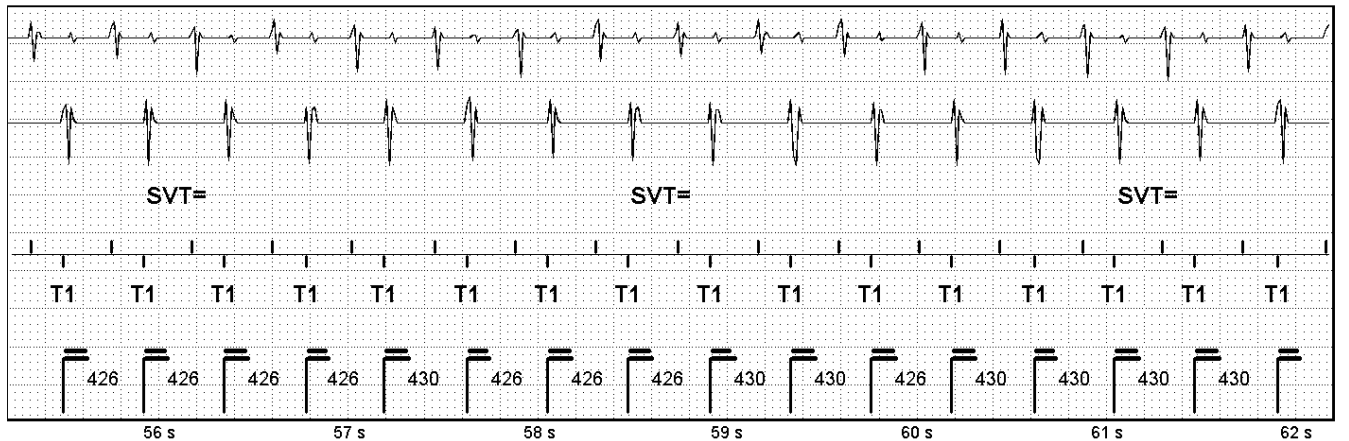
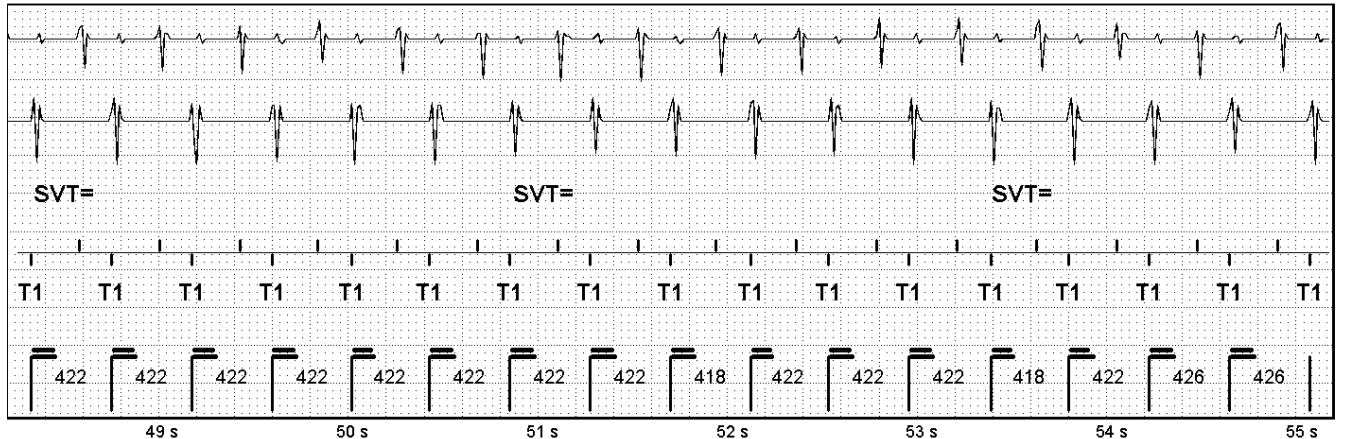
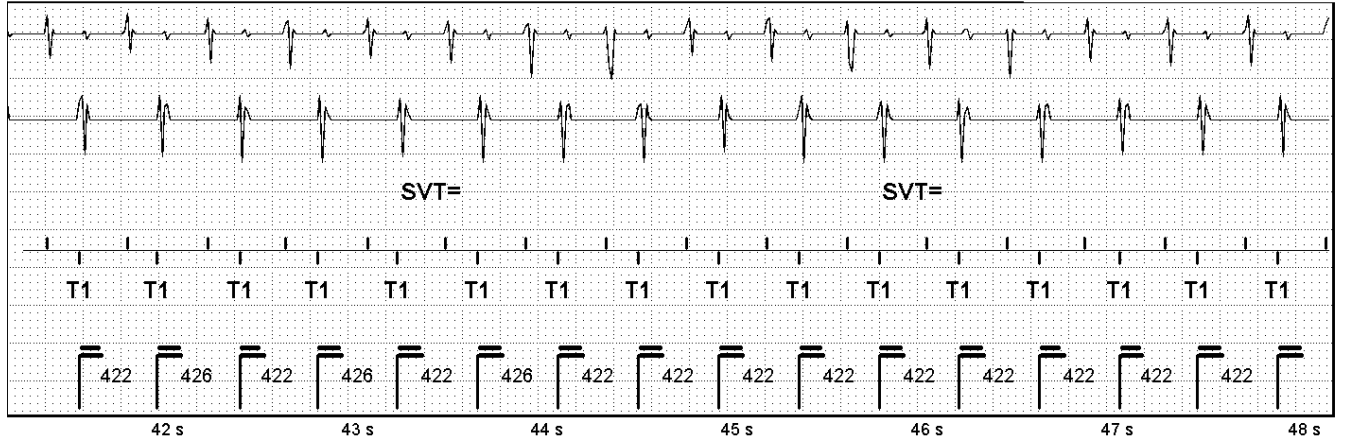
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3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s





Episode: SVT (142 min⁻¹ / 420 ms) (Continued)

VT/VF Episode 3 of 8

Page 5 of 6

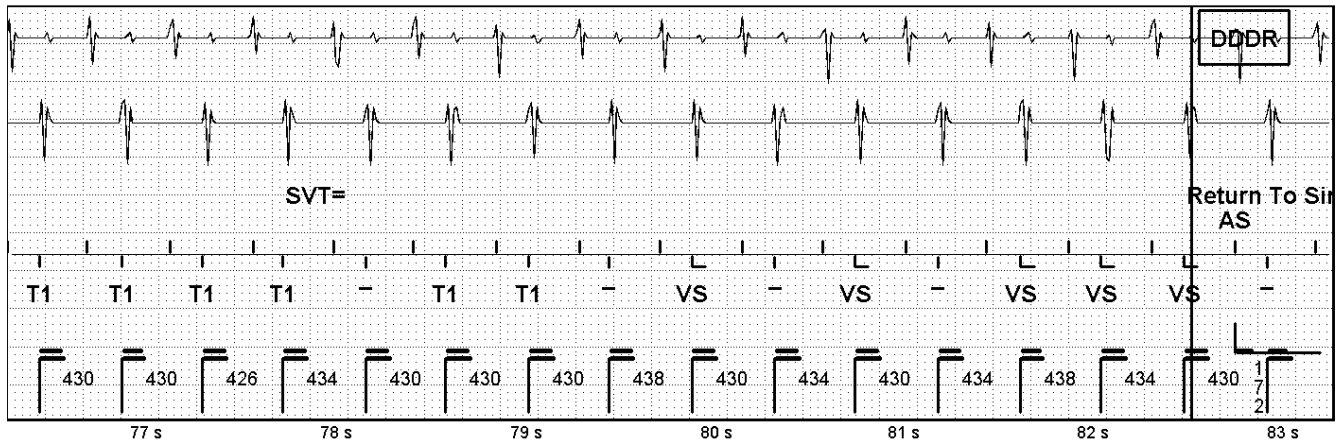
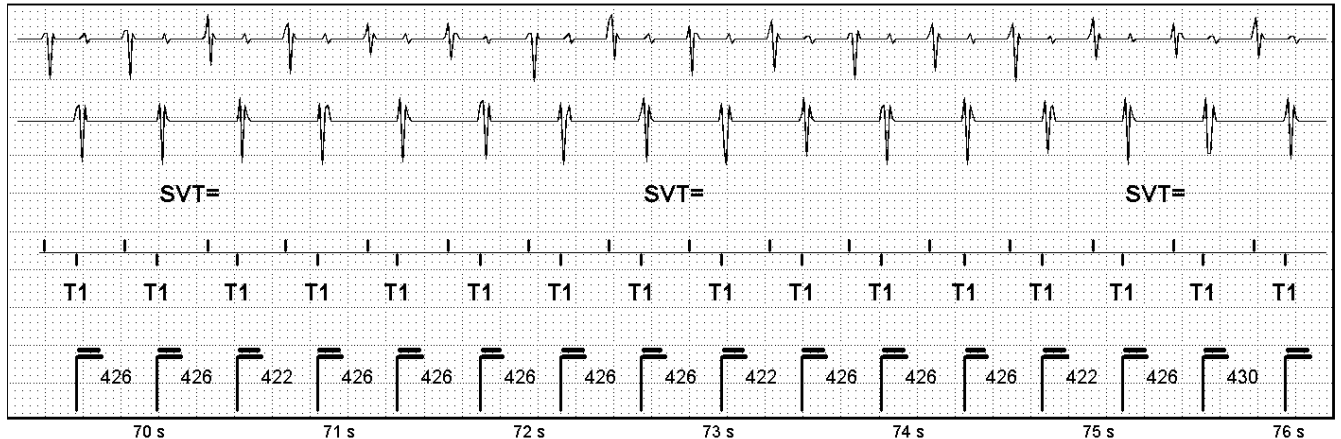
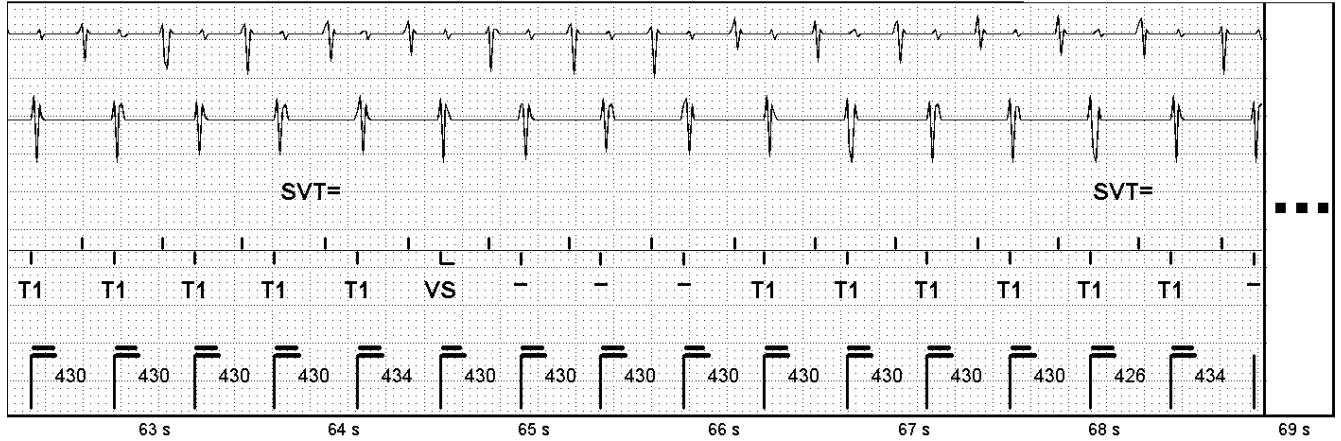
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1: A Sense Amp AutoGain (2.3 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s



Episode: SVT (142 min⁻¹ / 420 ms) (Continued)

VT/VF Episode 3 of 8

Page 6 of 6

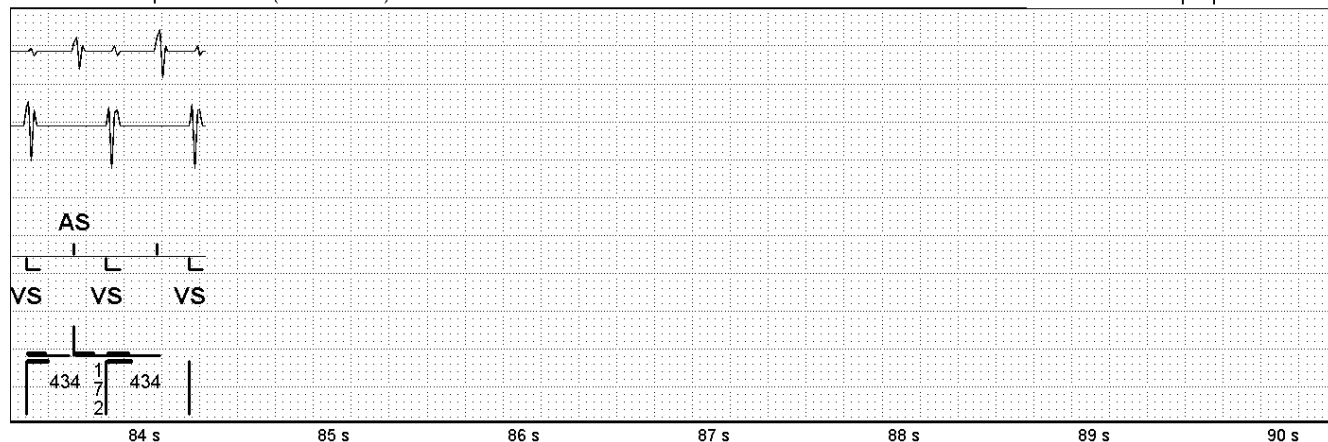
14 Jan 2013 8:55

1: A Sense Amp AutoGain (2.3 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.5 mm/mV)

Sweep Speed: 25 mm/s



Episode: PMT

Other Episode 2 of 50

Page 1 of 1

6 Feb 2013 8:25

Mode

n/a

Alerts

PMT has occurred

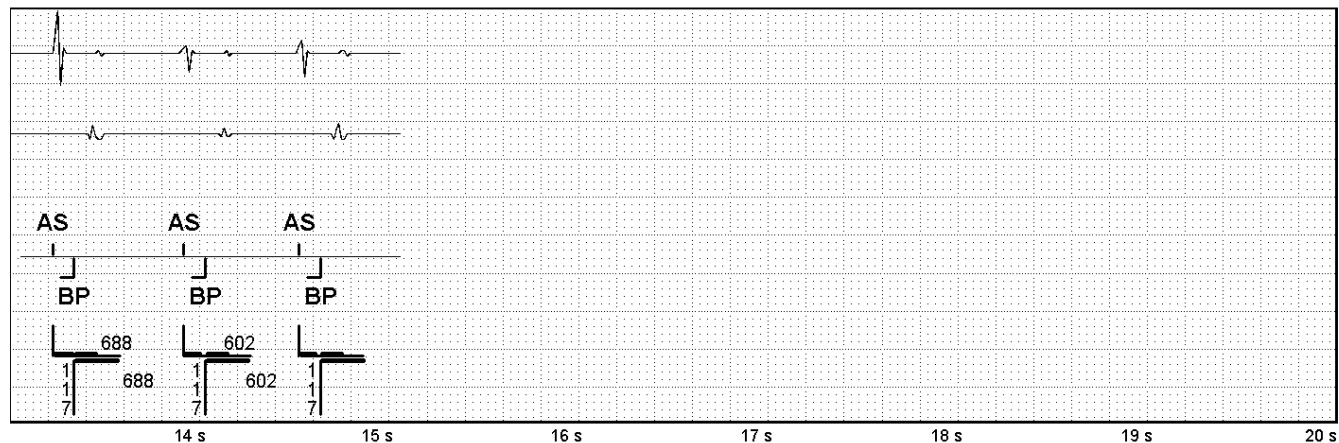
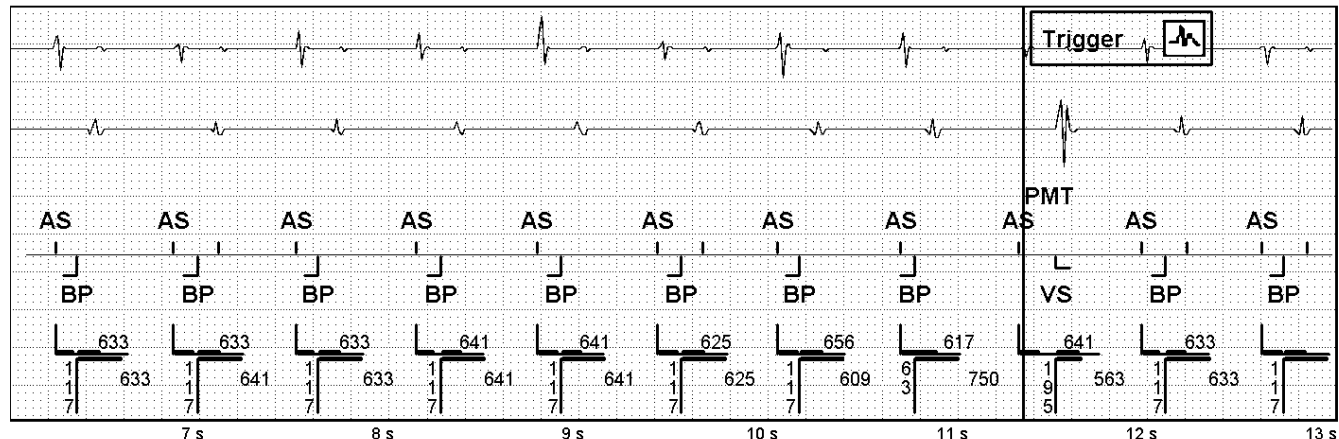
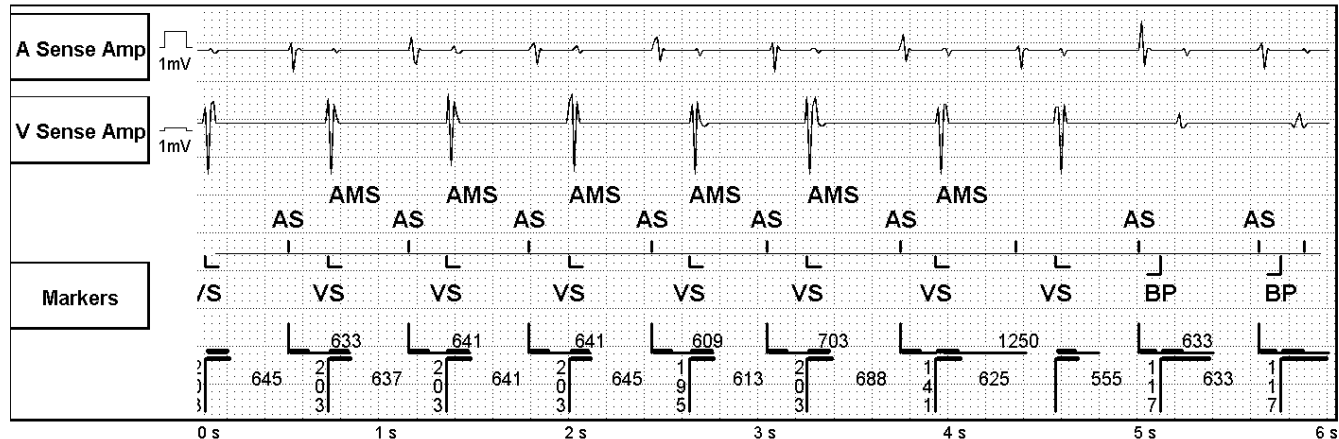


1: A Sense Amp AutoGain (2.2 mm/mV)

3: Markers

2: V Sense Amp AutoGain (0.6 mm/mV)

Sweep Speed: 25 mm/s



Wrap-up™ Overview

 1 Alert

Page 1 of 1

Patient

Date of Birth

EF %

Unknown

Indications for Implant

Device

CRT-D

A Lead

RV Lead

LV Lead

Manufacturer

St. Jude Medical

Model

Promote™ RF 3213-36

Serial

651926

Implant Date

3 Dec 2009

Battery

Longevity: 1.1 yrs



Voltage

2.56 V

Last Max Charge

13.5 sec (26 Mar 2013)

Battery Current







29 uA

Longevity estimate is based on

patient history

Test Results 20 May 2013

 Automatic

	Capture	Sense	Lead Impedance
A	1.25V @ 0.5ms (Bi)	0.5mV (Bi) 	450 Ω (Bi) 
RV	<0.25V @ 0.5ms (Bi)	11.4mV (RV Bi) 	440 Ω (Bi) 
LV	1.5V @ 1.0ms (Bi)		750 Ω (Bi) 
HV			44 Ω (RV to SVC & Can) 

Parameters

Mode	DDDR	Zone Configuration	VT-1	VT-2	VF
Base Rate	60 min ⁻¹	Detection Criteria	139 min ⁻¹	160 min ⁻¹	214 min ⁻¹
Max Track Rate	110 min ⁻¹	Therapy (ENABLED)	Monitor	ATP x3	36.0 J
Paced AV Delay	140 ms			25.0 J	36.0 J
Sensed AV Delay	120 ms			36.0 J	36.0 J x4
				36.0 J x2	

Programming Changes

	Initial	Final
Atrial Tachycardia Detection Rate	180 min ⁻¹	▶225 min ⁻¹
PVARP	275 ms	▶375 ms
Rate Responsive PVARP/VREF	High	▶Off
Shortest PVARP/VREF	225 ms	↳ n/a

Alerts



Episodes with alert conditions (3)

▶ Manual-programmed

↳ Auto-programmed