



Device: Advisa DR MRIT[™] A3DR01

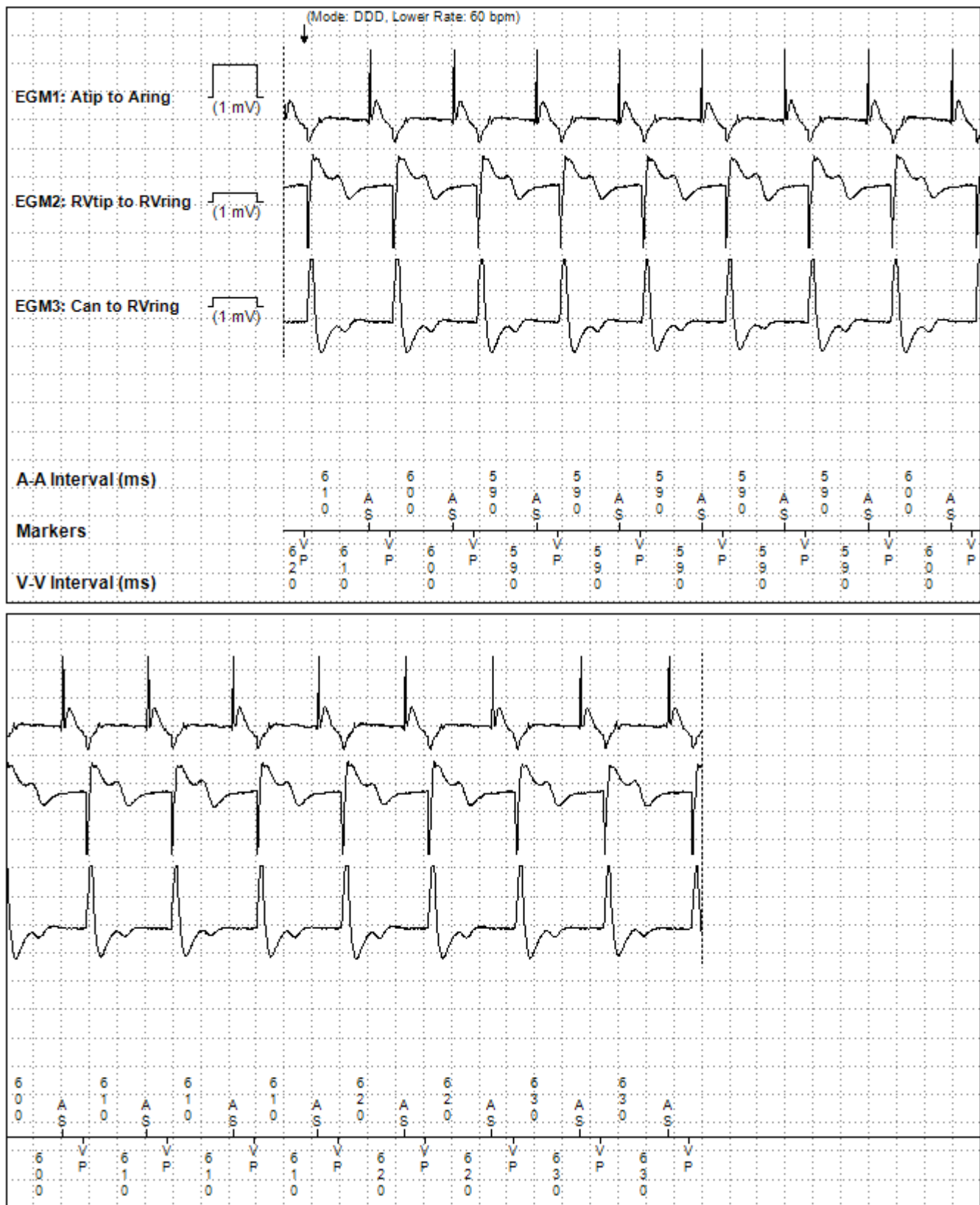
Serial Number: PZK875895S

Date of Interrogation: 06-Mar-2019 14:30:18

Patient: TSOU, CHAO-TSUNG ...

ID: HA59891

Chart speed: 25.0 mm/sec



Device: Advisa DR MRI™ A3DR01	Serial Number: PZK875895S	Date of Interrogation: 06-Mar-2019 14:30:18
Patient: TSOU, CHAO-TSUNG ...	ID: HA59891	Physician: Liao Min Tsun 0939429152

History: Sinus Node Dysfunction, Occasional 2° or 3° AV Block

Device Status (Implanted: 08-Dec-2017)

Battery Voltage (RRT=2.83V)	3.01 V	(06-Mar-2019)
Remaining Longevity (based on initial interrogation)	7.5 years (6.5 - 8.5 years)	

	Atrial(5076)	RV(5076)
Lead Impedance	589 ohms	532 ohms
Capture Threshold	0.625 V @ 0.40 ms	0.750 V @ 0.40 ms
Measured On	06-Mar-2019	06-Mar-2019
Programmed Amplitude/Pulse Width	1.50 V / 0.40 ms	2.00 V / 0.40 ms
Measured P/ R Wave	1.1 mV	11.1 mV
Programmed Sensitivity	0.30 mV	0.90 mV

Parameter Summary

Mode	DDD	Lower Rate	60 bpm	Paced AV	180 ms
Mode Switch	171 bpm	Upper Track	130 bpm	Sensed AV	150 ms
		Upper Sensor	130 bpm		

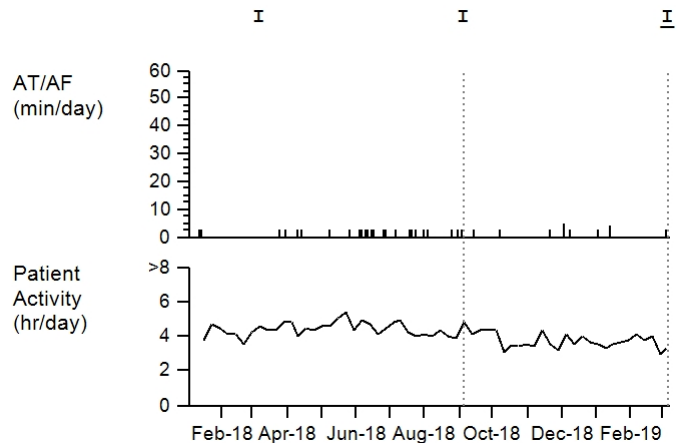
Detection		Rates	Therapies
AT/AF	Monitor	>171 bpm	All Rx Off
VT	Monitor	>150 bpm	

Clinical Status	Since 05-Sep-2018	Longest	Cardiac Compass Trends (Jan-2018 to Mar-2019)
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Treated
AT/AF(Monitor)

Monitored		
VT (>4 beats)	0	
Fast A&V	5	41 sec
AT/AF	4	4 min
Time in AT/AF	<0.1 hr/day (<0.1%)	

Functional	Last Week
Patient Activity	3.3 hr/day



Therapy Summary	AT/AF	Pacing	(% of Time Since 05-Sep-2018)
Pace-Terminated Episodes	0	Total VP	99.8% (MVP Off)
		AS-VS	0.1%
		AS-VP	82.4%
		AP-VS	< 0.1%
		AP-VP	17.5%

OBSERVATIONS (0)

· No observations based on current interrogation.



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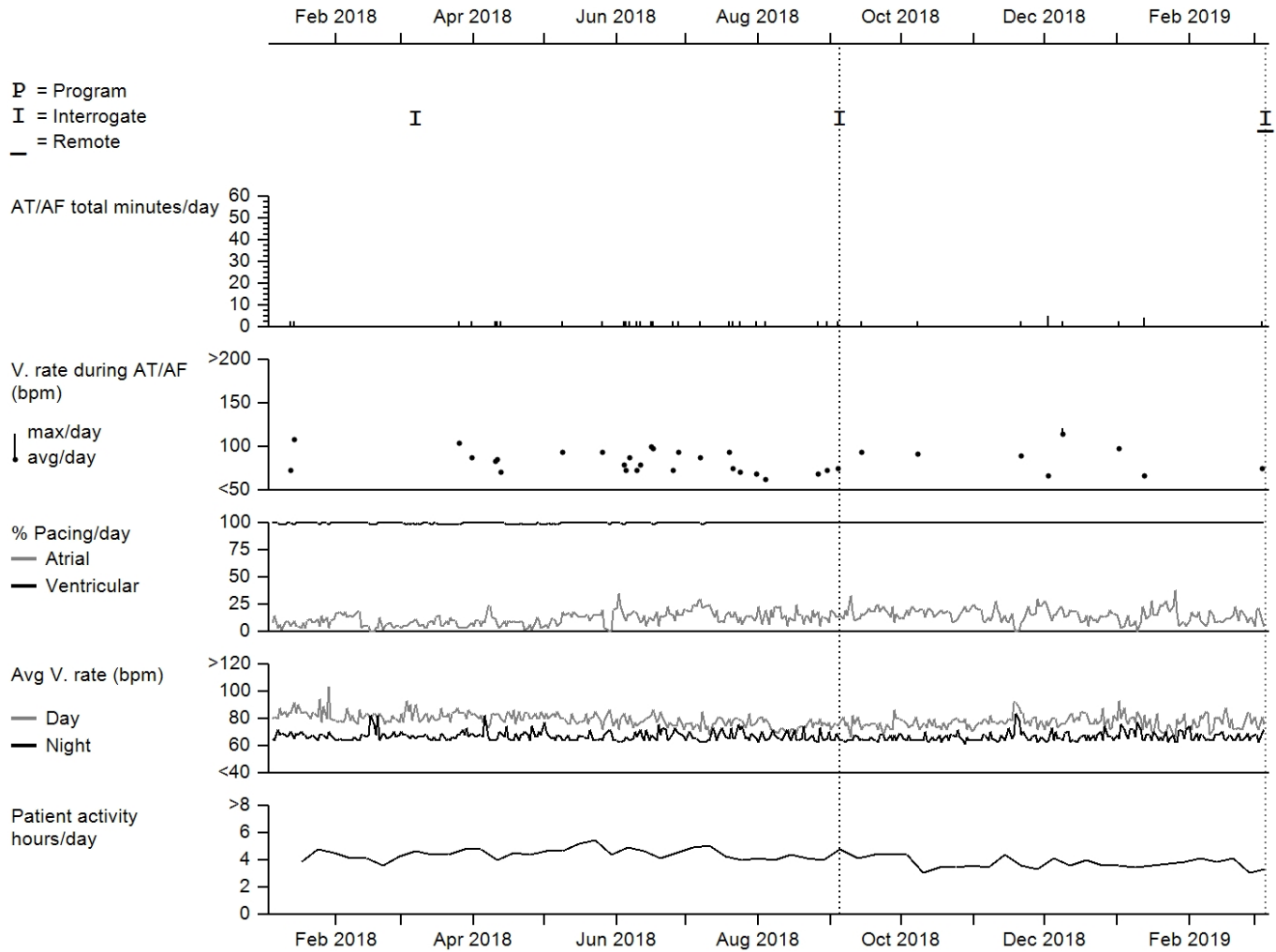
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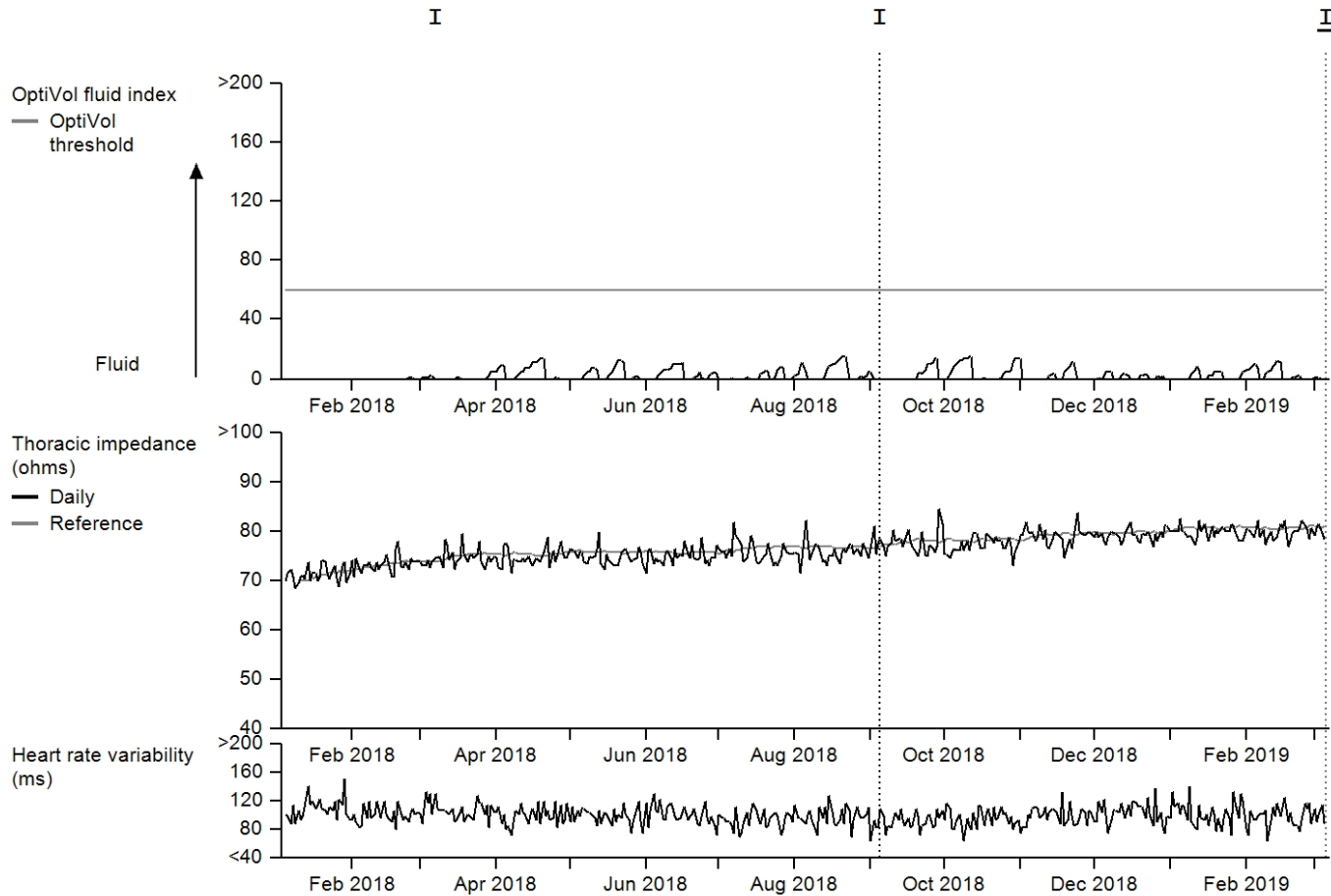
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OptiVol fluid index is an accumulation of the difference between the daily and reference impedance.



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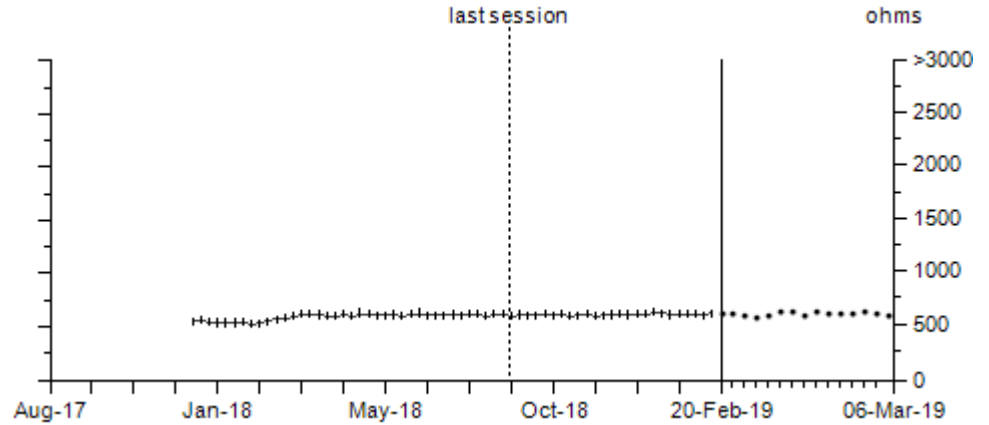
Physician: Liao Min Tsun 0939429152

Atrial Pace Polarity
Atrial Sense Polarity
Lead Model

Bipolar
Bipolar
5076

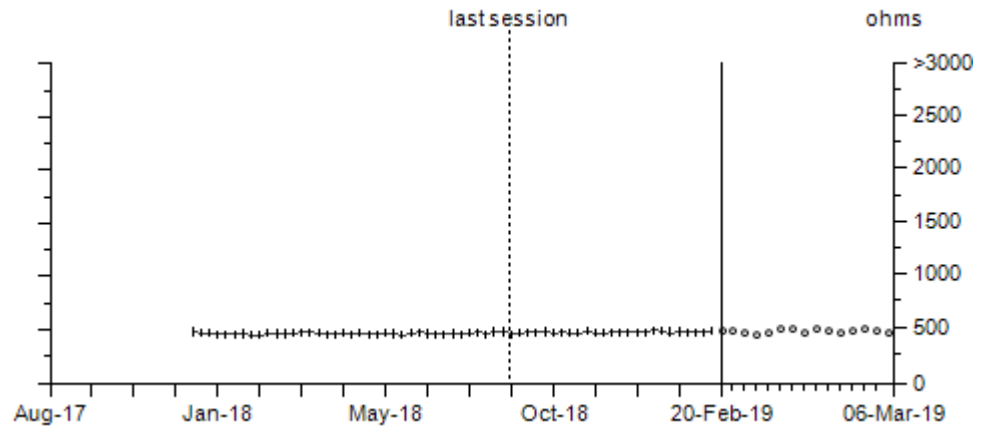
A. Impedance (bipolar)

Last Measured 589 ohms

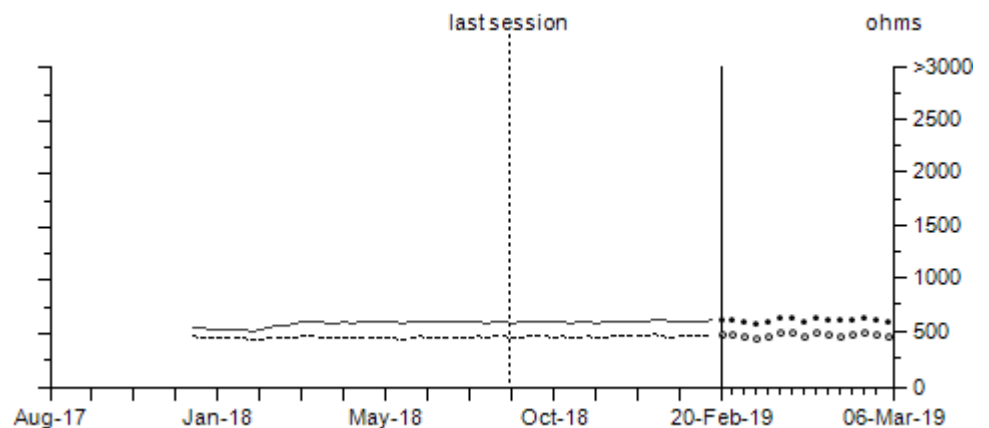


A. Impedance (unipolar)

Last Measured 456 ohms



A. Impedance

—— Bipolar
----- Unipolar


Last 80 weeks (min/max/avg per week)

Last 15 days



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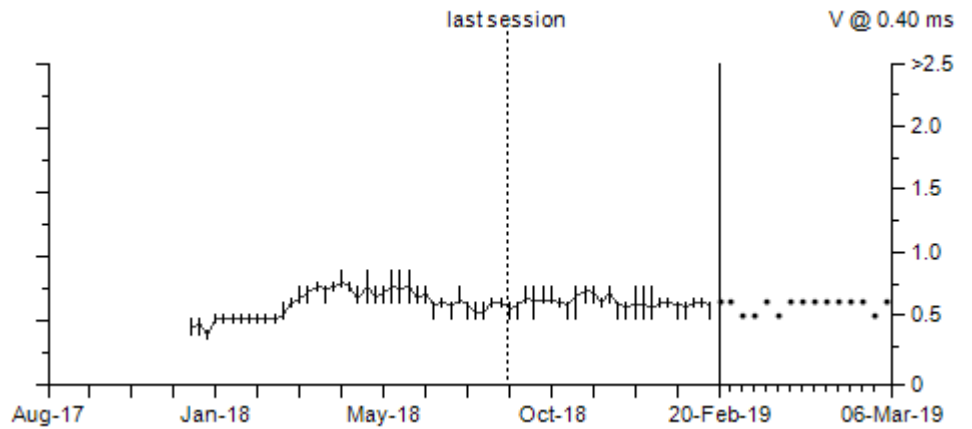
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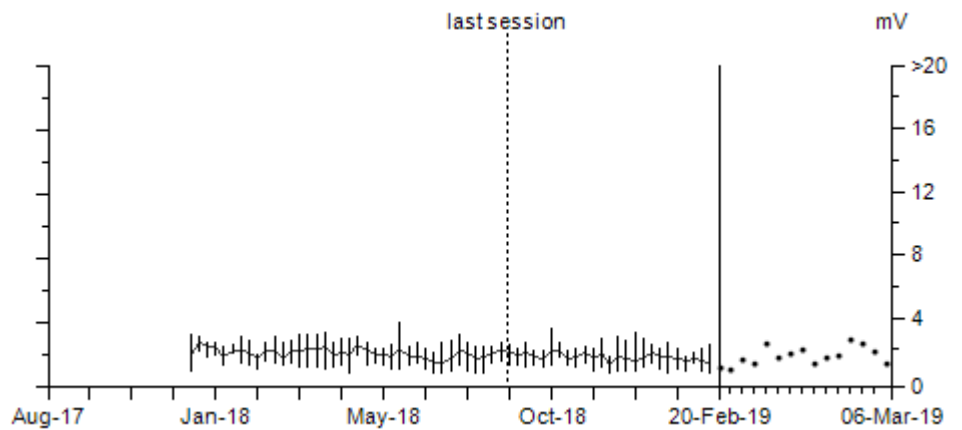
A. Threshold

Capture	Adaptive
Amplitude	1.50 V
Pulse Width	0.40 ms
Last Measured	0.625 V @ 0.40 ms
Measured On	06-Mar-2019



P-Wave Amplitude

Sensitivity	0.30 mV
Last Measured	1.1 mV



| Last 80 weeks (min/max/avg per week)

| Last 15 days |



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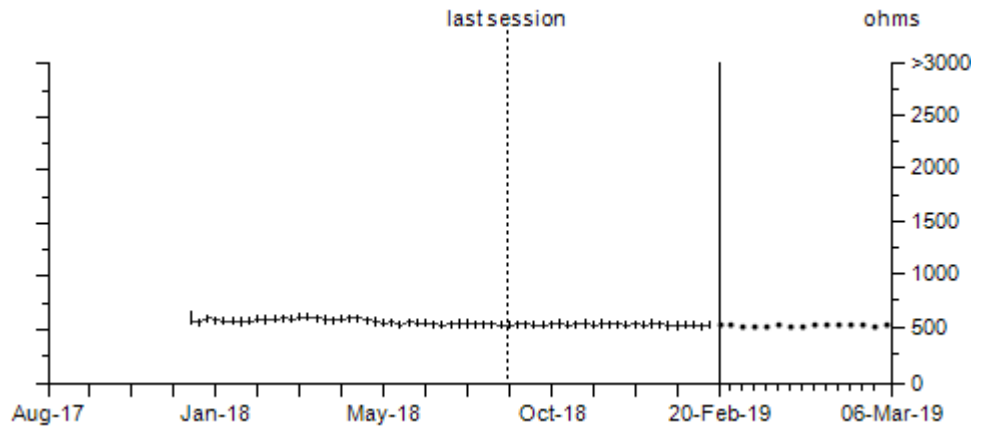
Physician: Liao Min Tsun 0939429152

RV Pace Polarity
RV Sense Polarity
Lead Model

Bipolar
Bipolar
5076

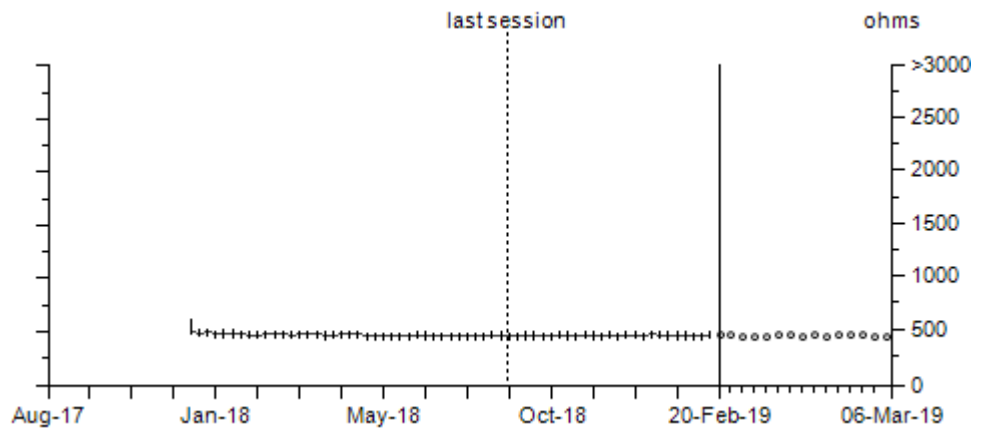
RV Impedance (bipolar)

Last Measured 532 ohms



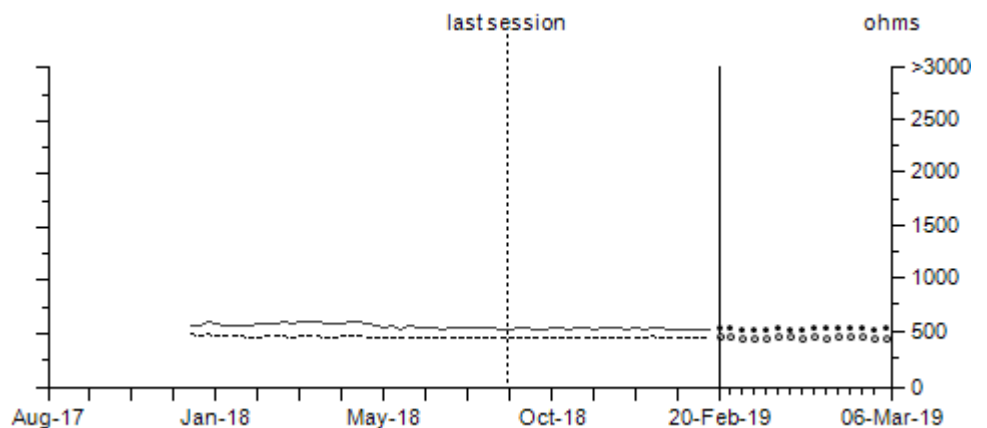
RV Impedance (unipolar)

Last Measured 437 ohms



RV Impedance

————— Bipolar
----- Unipolar



| Last 80 weeks (min/max/avg per week)

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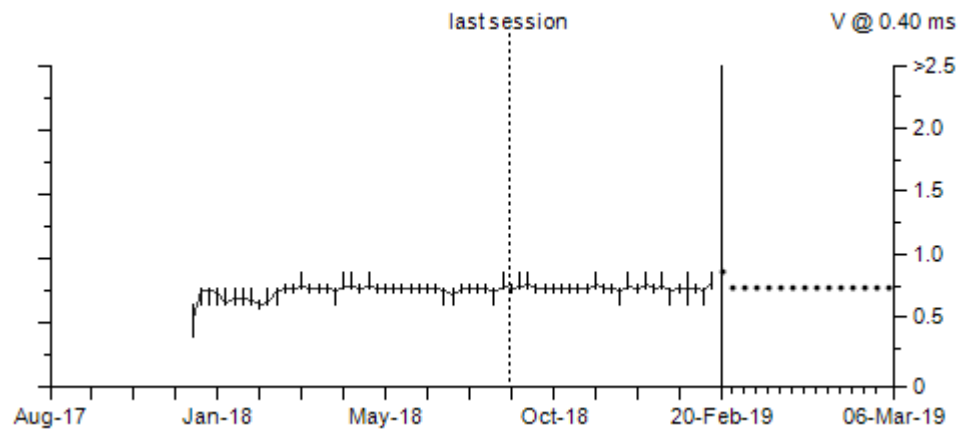
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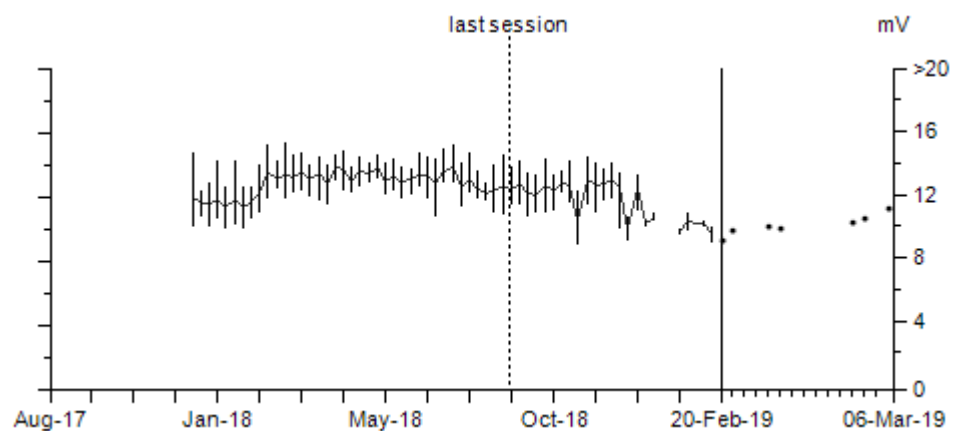
RV Threshold

Capture Adaptive
Amplitude 2.00 V
Pulse Width 0.40 ms
Last Measured 0.750 V @ 0.40 ms
Measured On 06-Mar-2019



R-Wave Amplitude

Sensitivity 0.90 mV
Last Measured 11.1 mV



| Last 80 weeks (min/max/avg per week)

| Last 15 days |



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Physician: Liao Min Tsun 0939429152

Prior to Last Session

07-Mar-2018 to

05-Sep-2018

6 months

Since Last Session

05-Sep-2018 to

06-Mar-2019

6 months

VT/VF Counters

VT (>150 bpm)	0	0
VT-NS (>4 beats)	0	0
Fast A&V	0	5 ↑
PVC Runs (2-4 beats)	<0.1 per hour	<0.1 per hour
PVC Singles	12.6 per hour	3.1 per hour ↓
Runs of VRS Paces	0.0 per hour	0.0 per hour
Single VRS Paces	0.0 per hour	0.0 per hour

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Physician: Liao Min Tsun 0939429152

Prior to Last Session

07-Mar-2018 to 05-Sep-2018

6 months

Since Last Session

05-Sep-2018 to 06-Mar-2019

6 months

AT/AF Summary

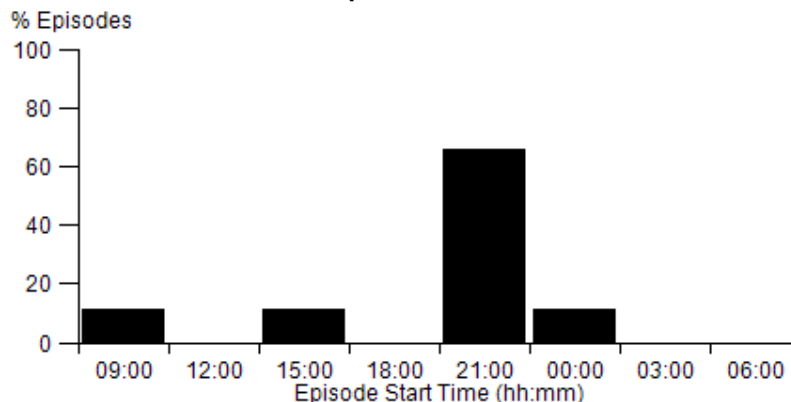
% of Time AT/AF	<0.1 %	<0.1 %
Average AT/AF time/day	<0.1 hours/day	<0.1 hours/day
Monitored AT/AF Episodes	<0.1 per day	<0.1 per day
Treated AT/AF Episodes	0.0 per day	0.0 per day
Pace-Terminated Episodes	0.0 %	0.0 %
% of Time Atrial Pacing	14.5 %	17.5 % ↑
% of Time Atrial Intervention	0.0 %	0.0 %
AT-NS (>6 beats)	<0.1 per day	<0.1 per day

Since Last Session

05-Sep-2018 to 06-Mar-2019

AT/AF Durations

Duration	Episodes
>72 hr	0
48 hr to 72 hr	0
24 hr to 48 hr	0
12 hr to 24 hr	0
4 hr to 12 hr	0
1 hr to 4 hr	0
10 min to 1 hr	0
1 min to 10 min	3
<1 min	6

AT/AF Episode Start Time


AT/AF Rx	Rx1:Off	Rx2:Off	Rx3:Off
Treated episodes			
% Terminated			

ATP Rx versus	100-149	150-199	200-249	250-299	300-349	350-399	400-449	
ms								ms
bpm	401-600	301-400	241-300	201-240	172-200	151-171	133-150	bpm
Treated episodes								
% Terminated								

ATP Sequences: 0 delivered, 0 aborted

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Physician: Liao Min Tsun 0939429152

Arrhythmia Episode List: 08-Dec-2017 12:46:05 to 06-Mar-2019 14:30:18

All collected episodes.

Type	ATP Seq	Success	ID#	Date	Time hh:mm	Duration hh:mm:ss	Avg bpm A/V	Max bpm A/V	Activity at Onset
SVT-ST			24	04-Mar-2019	23:16	:22	154/154	154/154	Active
SVT-ST			23	25-Feb-2019	23:20	:23	154/154	158/158	Active
AT/AF			22	13-Jan-2019	22:31	:03:43	125/65	222/VP	Active
AT/AF			21	02-Jan-2019	22:50	:08	120/97	207/VP	Active
Fast A&V			20	23-Dec-2018	13:54	:41	162/140	167/167	Active
SVT-AF			19	23-Dec-2018	13:54	<:01	167/167	167/167	Active
AT/AF			18	03-Dec-2018	23:36	:01:42	123/68	214/VP	Active
AT/AF			17	03-Dec-2018	22:51	:03:01	124/64	214/VP	Active
SVT-ST			16	16-Nov-2018	00:33	:19	154/158	154/---	Active
----- Last In-Clinic Monitor Session 05-Sep-2018 -----									
AT/AF			15	24-Jul-2018	23:52	:49	120/70	214/VP	Active
AT/AF			14	21-Jul-2018	23:03	:01:01	123/75	200/VP	Active
AT/AF			13	19-Jul-2018	23:10	:38	128/91	182/VP	Active
AT/AF			12	19-Jul-2018	23:08	:08	138/96	222/VP	Active
AT/AF			11	28-Jun-2018	22:21	:02:03	143/95	222/VP	Active
AT/AF			10	25-Jun-2018	23:51	:02:23	107/71	207/VP	Active
AT/AF			9	25-Jun-2018	23:15	:04	117/102	207/VP	Active
AT/AF			8	17-Jun-2018	07:09	:06	123/96	200/VP	Active
AT/AF			7	11-Jun-2018	21:51	:01:39	149/78	207/VP	Active
AT/AF			6	10-Jun-2018	23:45	:02:03	127/71	207/VP	Active
AT/AF			5	07-Jun-2018	07:06	:26	153/87	207/VP	Active
AT/AF			4	05-Jun-2018	07:11	:01:21	144/73	207/VP	Active
AT/AF			3	04-Jun-2018	07:15	:25	155/78	214/VP	Active
AT/AF			2	14-Jan-2018	16:25	:06	135/108	207/VP	Active
AT/AF			1	27-Dec-2017	11:57	:01:01	130/77	207/VP	Active



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Episodes Since: 05-Sep-2018

- 4 SVT
- 4 Monitored AT/AF
- 1 Fast A & V

Current EGM

Atip to Aring

RVtip to RVring

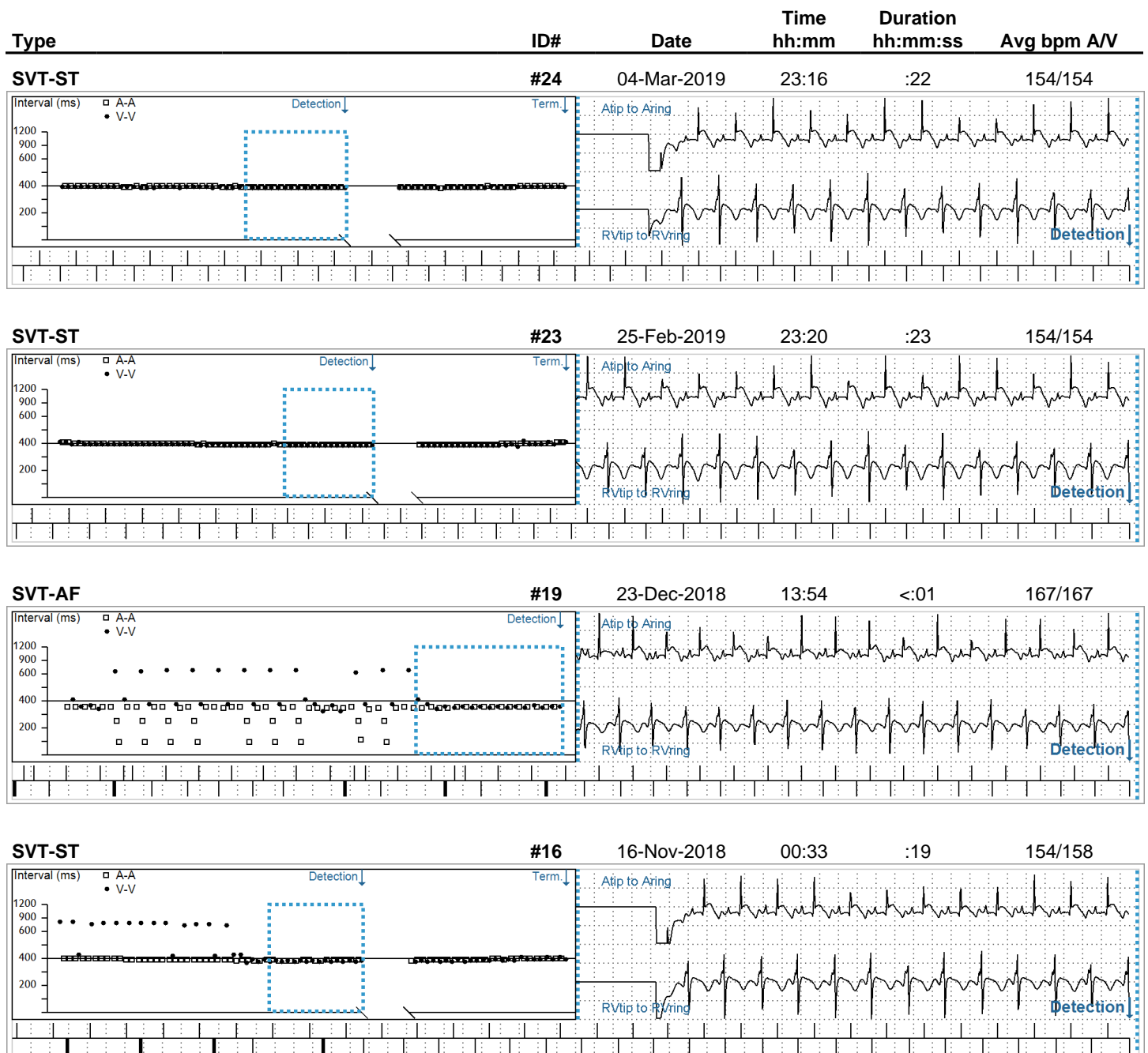
Sense | Pace |



SVT

Episodes: 4

With EGM: 4





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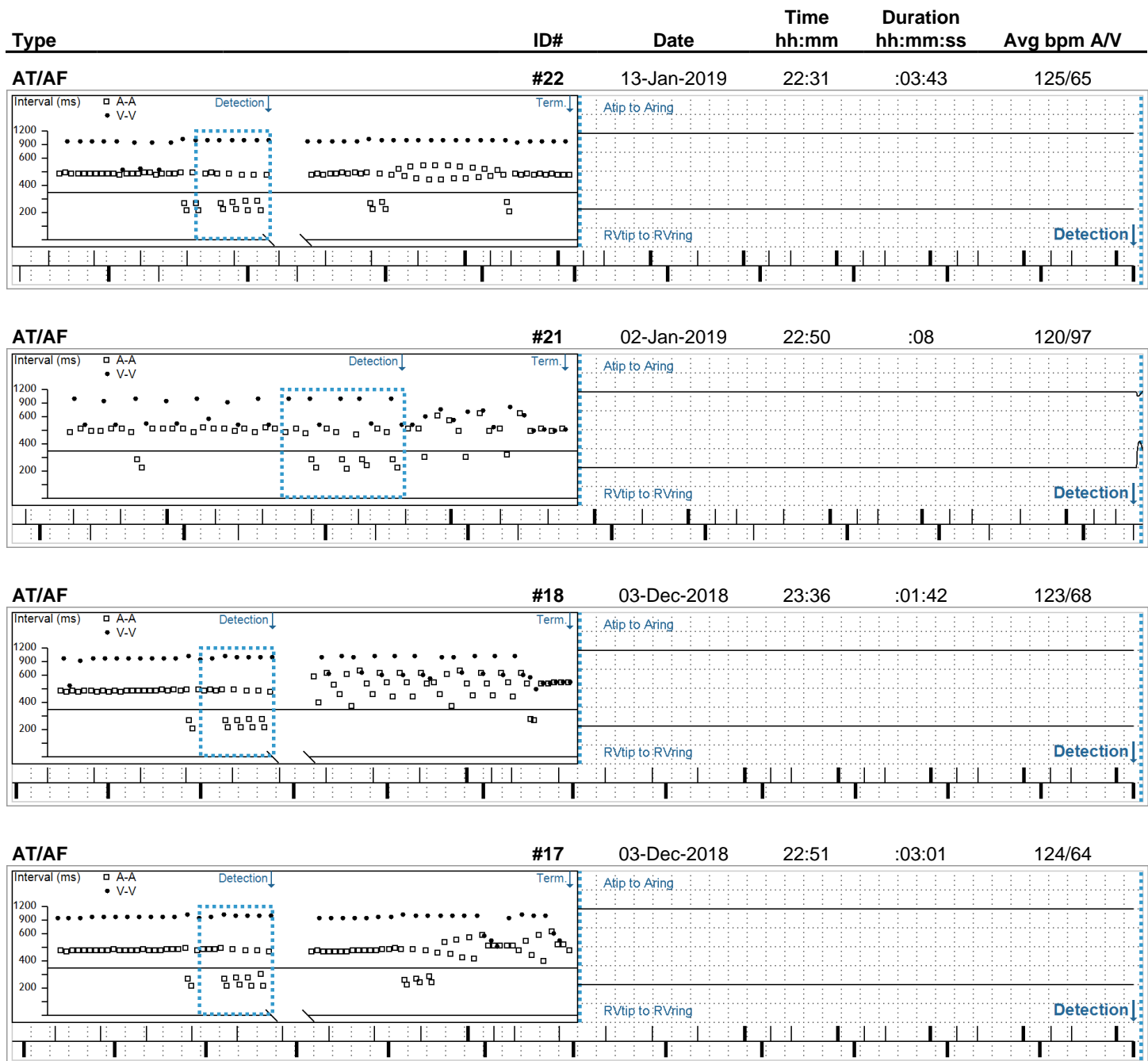
ID: HA59891

Physician: Liao Min Tsun 0939429152

Monitored AT/AF

Episodes: 4

With EGM: 4





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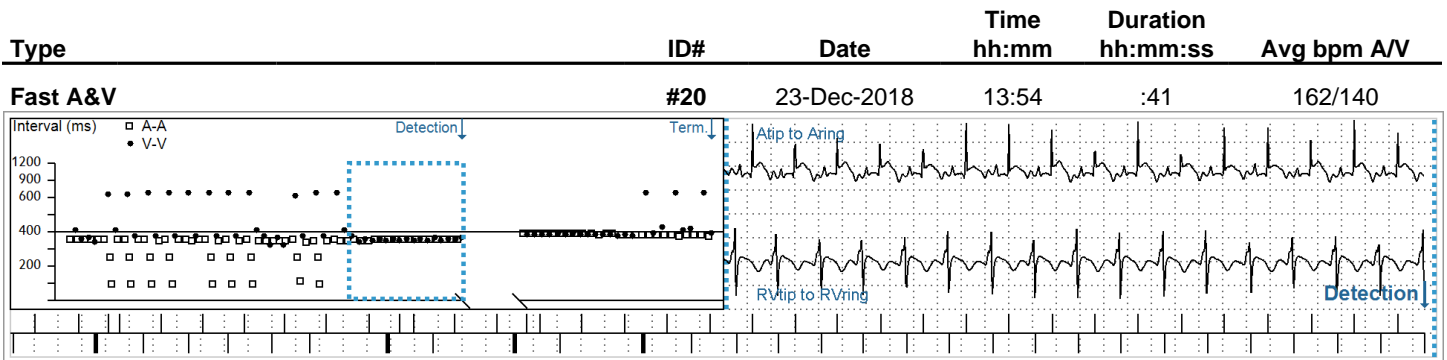
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Fast A & V

Episodes: 1

With EGM: 1





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Rate Drop Response Episodes Summary

	Prior to Last Session	Since Last Session
	07-Mar-2018 to 05-Sep-2018	05-Sep-2018 to 06-Mar-2019
	6 months	6 months
Drop Episodes	0	0
Low Rate Episodes	0	0
Total Episodes	0 per day	0 per day

Rate Drop Response Episode List: 08-Dec-2017 12:46:05 to 06-Mar-2019 14:30:18

Type	ID#	Date	Time hh:mm	Detection V. Rate bpm	Peak V. Rate bpm
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(No data since last session.)

----- Last In-Clinic Monitor Session 05-Sep-2018 -----

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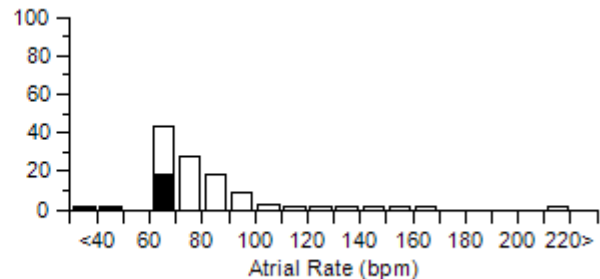
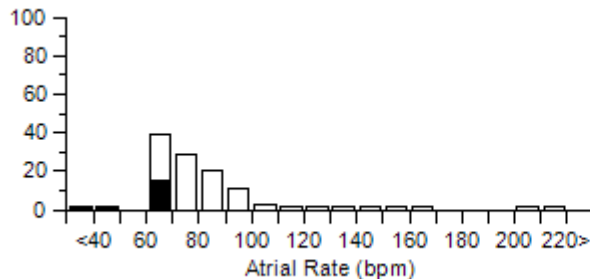
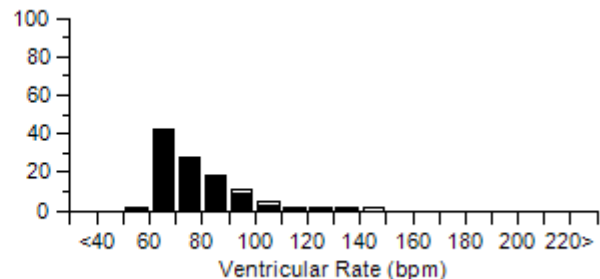
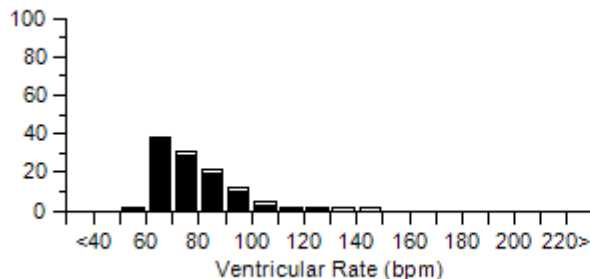
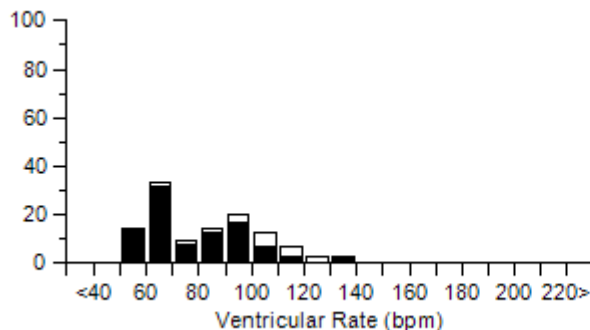
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Prior to Last Session07-Mar-2018 to 05-Sep-2018
6 months**Since Last Session**05-Sep-2018 to 06-Mar-2019
6 months

% of Time	Total VP	99.5%	99.8%
	AS-VS	0.5%	0.1%
	AS-VP	84.9%	82.4%
	AP-VS	< 0.1%	< 0.1%
	AP-VP	14.5%	17.5%

Atrial
% of Time□ AS
■ AP**Ventricular**
% of Time□ VS
■ VP**Time in AT/AF = 14 minutes****Ventricular**
Rate
During
AT/AF
% of AT/AF□ VS
■ VP**Time in AT/AF = 9 minutes**