

Quick View - Jan 17, 2019


To: Dr. William Frumkin

Name: -
Patient ID: Sharivker, Nonna

DOB: -
Phone: -

Eluna 8 DR-T (SN 68227914)
PM implanted Jun 5, 2015

Last message: Jan 17, 2019
Last clinic follow-up: Jan 16, 2019

| Device status | |
|----------------|--|
| Device status | OK |
| Battery status | OK / 70%  |

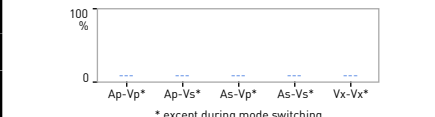
| Findings |
|--------------|
| No anomalies |

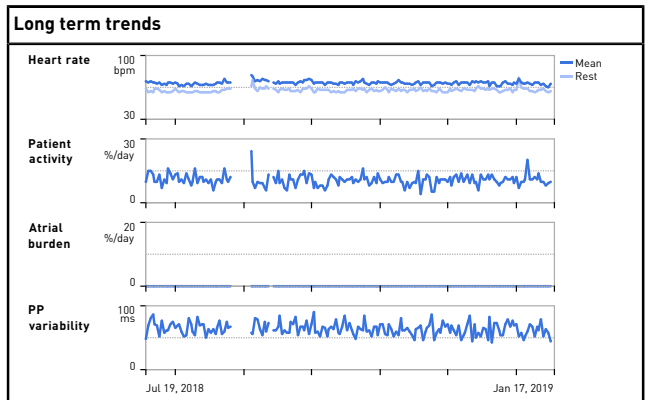
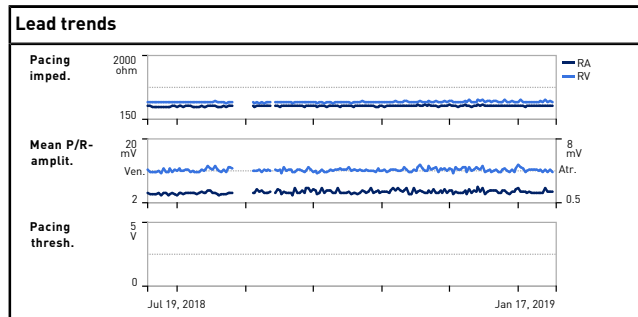
| Brady leads | RA lead | RV lead |
|-------------------------------|------------|------------|
| Pacing impedance [ohm] | --- | --- |
| Pacing threshold [V] | OFF | OFF |
| Sensing ampl. mean / min [mV] | --- / --- | --- / --- |
| Programmed [V@ms] | 3.2 / 0.50 | 2.4 / 0.50 |

| Brady / AF settings | |
|-----------------------------------|------------|
| Mode | DDD |
| Basic rate / UTR [bpm] | 60 / 130 |
| AV delay at 60 bpm / 140 bpm [ms] | 300 / --- |
| Mode switching | 160 / DDIR |
| HAR limit | 160 bpm |

| Ven. arrhythmia since Jan 17, 2019 (mean value) | |
|---|-----|
| High ven. rate episodes per day | --- |

| Atr. arrhythmia since Jan 17, 2019 (mean values) | |
|--|-----|
| Atrial burden | --- |
| Atrial arrhythmia episodes per day | --- |
| New long atr. arrhyt. ongoing at end of mon. interv. | --- |
| Number of mode switching per day | --- |
| Duration of mode switching | --- |
| Mean ven. rate during mode switching | --- |
| New long MSw ongoing at end of mon. interv. | --- |

| Event episodes since Jan 17, 2019 (mean values) | |
|--|--------|
|  <p>* except during mode switching</p> | Pacing |
| | Ap --- |
| | Vp --- |



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Status: No anomalies

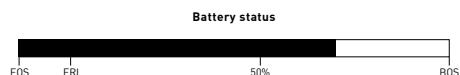
Status - Summary:

Status summary for patient ID "Sharivker, Nonna"

Automatic remark: No anomalies detected.

Status - Device:

| Battery | |
|---------------------------------|-------------------------|
| Battery status | OK / 70% |
| Date of implantation | Jun 5, 2015 5:10:56 PM |
| Device | |
| Device status | OK |
| Last MRI mode activation | --- |
| Home Monitoring | |
| Message type | event triggered |
| Device message created on | Jan 17, 2019 2:00:00 AM |
| End of last monitoring interval | --- |
| Transmitter | |
| Transmitter SN | 48348881 |
| Last transmission received on | Jan 17, 2019 2:39:34 AM |



Status - Lead:

| RA lead - Setrox S 53, BIO, implanted Jun 5, 2015 | 24 h | Since Jan 17, 2019 2:00:00 AM Mean values, ** Min values |
|---|------|---|
| Pacing impedance [ohm] | --- | --- |
| Pacing threshold [V] | --- | --- |
| Pulse amplitude [V] | 3.2 | --- |
| Capture control status | OFF | |
| Sensing amplitude (daily mean) [mV] | --- | --- |
| Sensing amplitude (daily min) [mV] | --- | ---** |
| Lead check | --- | |
| Pacing polarity | --- | |
| Sensing polarity | --- | |

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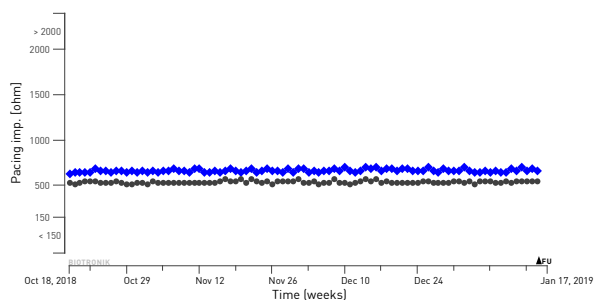
PM implanted Jun 5, 2015

Last clinic follow-up: Jan 16, 2019

| RV lead - Setrox S 60, BIO, implanted Jun 5, 2015 | | |
|---|-----|-------|
| Pacing impedance [ohm] | --- | --- |
| Pacing threshold | --- | --- |
| Pulse amplitude [V] | 2.4 | --- |
| Capture control status | OFF | |
| Sensing amplitude (daily mean) [mV] | --- | --- |
| Sensing amplitude (daily min) [mV] | --- | ---** |
| Lead check | --- | |
| Pacing polarity | --- | |
| Sensing polarity | --- | |

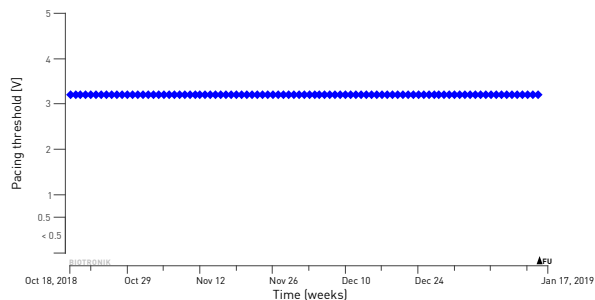
Pacing impedance

• RA pacing impedance [ohm] • RV pacing impedance [ohm]



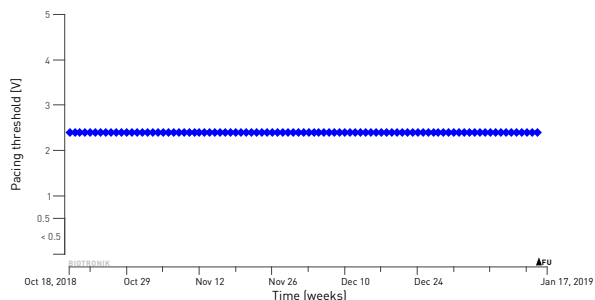
RA pacing threshold and pulse amplitude

• RA pacing threshold [V] • RA pulse amplitude [V]



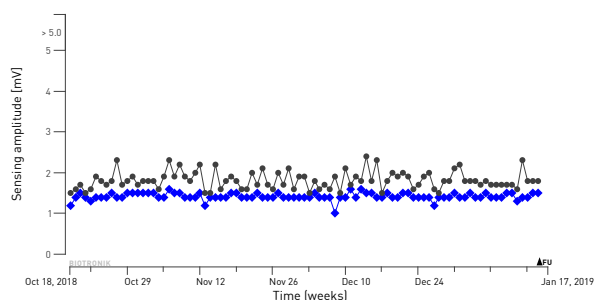
RV pacing threshold and pulse amplitude

• RV pacing threshold [V] • RV pulse amplitude [V]



RA sensing amplitude

• Mean RA sensing amplitude [mV] • Min. RA sensing amplitude [mV]



Status report - Jan 17, 2019

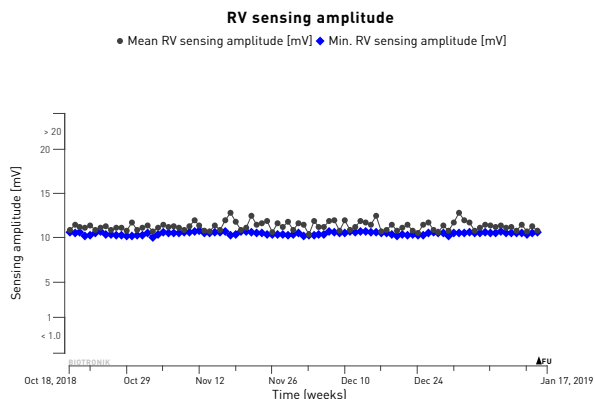
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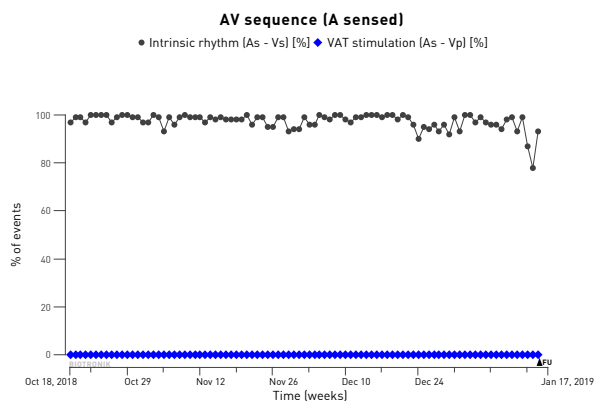
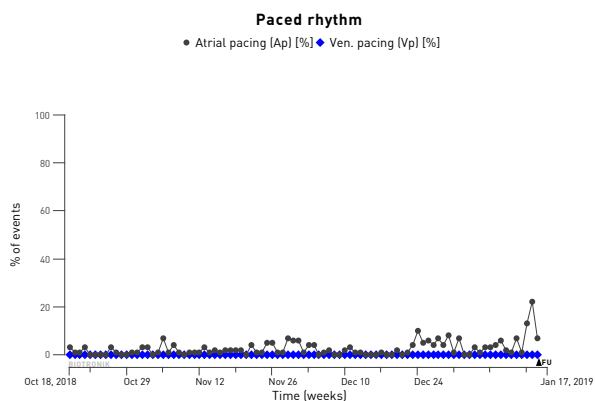
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Status - Bradycardia/CRT:

| Paced rhythm | 24 h | Since Jan 17, 2019 2:00:00 AM Mean values |
|--|------|--|
| Atrial pacing (Ap) [%] | --- | --- |
| Ven. pacing (Vp) [%] | --- | --- |
| AV sequences (except during mode switching) | | |
| Intrinsic rhythm (As - Vs) [%] | --- | --- |
| VAT stimulation (As - Vp) [%] | --- | --- |
| Conducted atrial pacing (Ap - Vs) [%] | --- | --- |
| Dual-chamber pacing (Ap - Vp) [%] | --- | --- |
| VV sequence (Vx - Vx) [%] | --- | --- |
| PVARP | | |
| PVARP [ms] | --- | --- |



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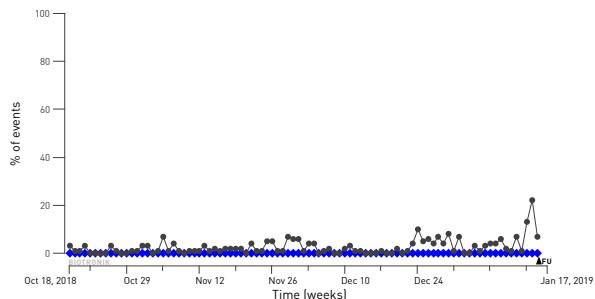
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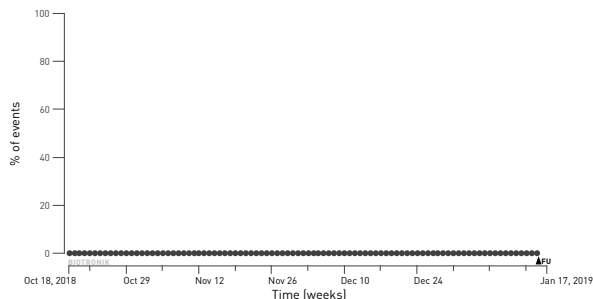
AV sequence (A paced)

• Conducted atrial pacing [Ap - Vs] [%] • Dual-chamber pacing [Ap - Vp] [%]



AV sequence (VV sequence)

• VV sequence [Vx - Vx] [%]

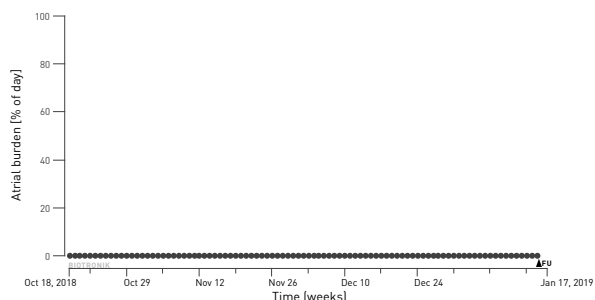


Status - Atr. arrhythmia:

| Atrial burden | 24 h | Since Jan 17, 2019 2:00:00 AM Mean values, * Max values |
|---|------|--|
| Atrial burden [% of day] | --- | --- |
| Atrial arrhythmia episodes per day | --- | --- |
| New long atrial episode detected (ongoing at end of mon. interv.) | --- | |
| Start of atrial episode (ongoing at end of mon. interv.) | --- | |
| Duration of longest atrial episode | --- | ---* |
| End of last atrial episode | --- | |
| Mode switching | | |
| Number of mode switching per day | --- | --- |
| Duration of mode switching [% of day] | --- | --- |
| Mean ventricular rate during mode switching [bpm] | --- | --- |
| New long mode switching episode detected (ongoing at end of mon. interv.) | --- | |
| Start of mode switching episode (ongoing at end of mon. interv.) | --- | |

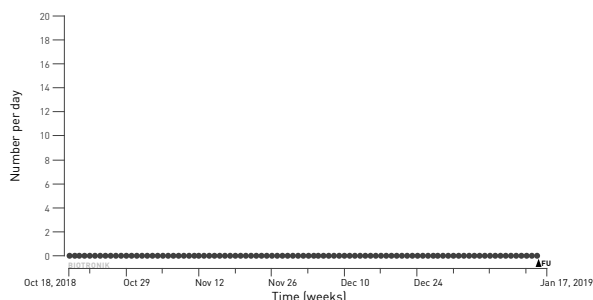
Atrial burden

• Atrial burden [% of day]



Atrial episodes

• Atrial arrhythmia episodes per day



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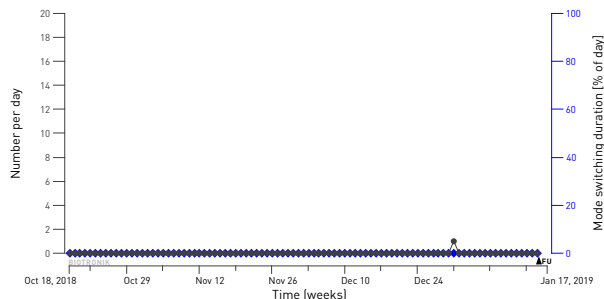
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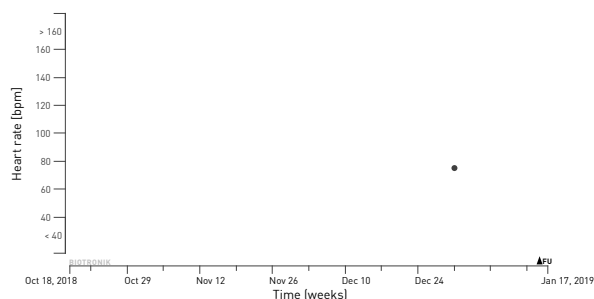
Mode switching

• Number of mode switching per day • Duration of mode switching [% of day]



Mean ventricular rate during mode switching

• Mean ventricular rate during mode switching [bpm]

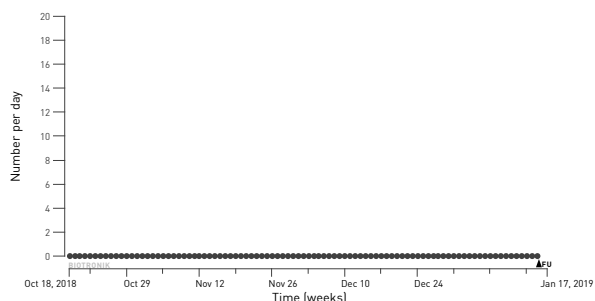


Status - Ven. arrhythmia:

| High ventricular rate episodes | 24 h | Since Jan 17, 2019 2:00:00 AM Mean values, * Max values |
|--|------|--|
| High ven. rate episodes per day | --- | --- |
| Duration of longest high ven. rate episode per day | --- | --- |
| Start of high ven. rate episode (ongoing at end of mon. interv.) | --- | --- |
| PVC | | |
| Mean PVC/h | --- | --- |

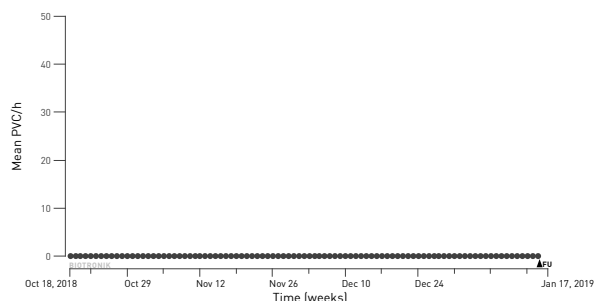
High ventricular rate episodes

• High ven. rate episodes per day



Mean PVC/h

• Mean PVC/h



Status - Physiologic. param.:

| Heart rate | 24 h | Since Jan 17, 2019 2:00:00 AM Mean values |
|------------------------------------|------|--|
| Mean atrial heart rate [bpm] | --- | --- |
| Mean ven. heart rate [bpm] | --- | --- |
| Mean ven. heart rate at rest [bpm] | --- | --- |
| Heart rate variability | | |
| PP variability [ms] | --- | --- |
| Activity | | |
| Patient activity [% of day] | --- | --- |

Technical Services:
Tel.: +1 800 889 9066
Fax: +1 888 387 2681

Date:
Signature:

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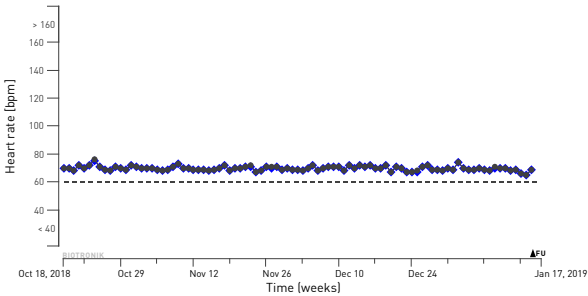
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| Thoracic impedance | | |
|--------------------|-----|-----|
| Daily mean [ohm] | --- | --- |

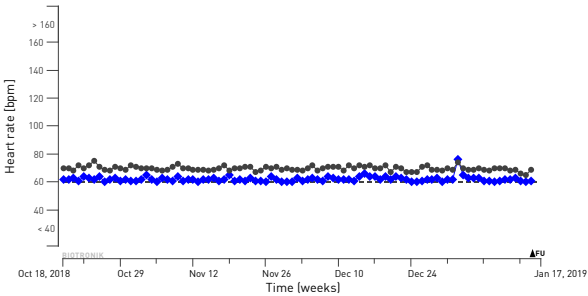
Mean heart rate

● Mean atrial heart rate [bpm] ◆ Mean ven. heart rate [bpm] — Progr. basic rate [bpm]



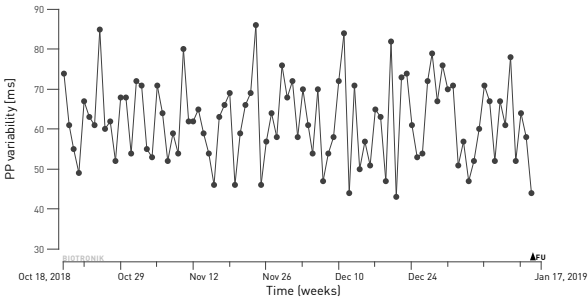
Mean ven. heart rate

● Mean ven. heart rate [bpm] ◆ Mean ven. heart rate at rest [bpm] — Progr. basic rate [bpm]



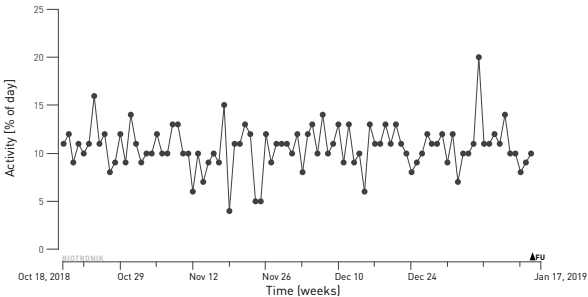
Heart rate variability

● PP variability [ms]



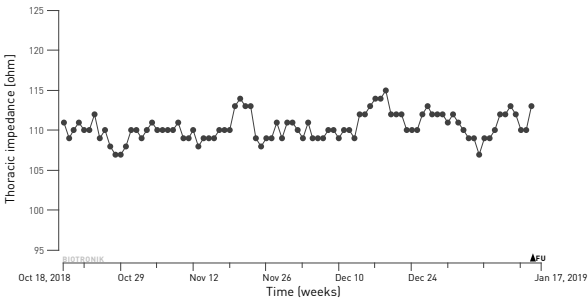
Patient activity

● Patient activity [% of day]



Thoracic impedance

● Thoracic impedance [ohm]



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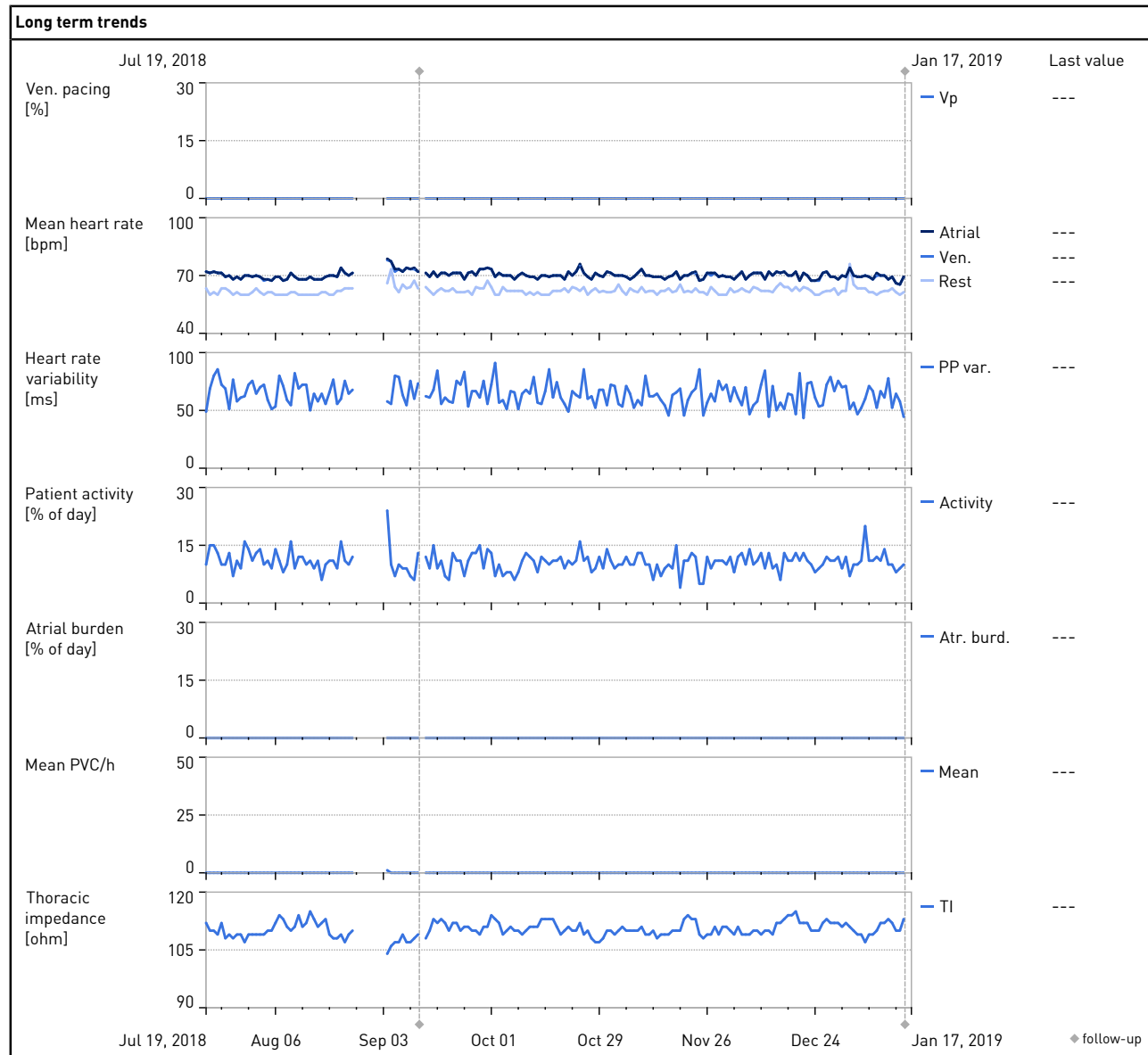
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Status - HF monitor:

| Device status Jan 17, 2019 | | Arrhythmia since Jan 17, 2019 (mean values) | |
|----------------------------|-----|---|-----|
| Device status | OK | Atrial arrhythmia episodes per day | --- |
| Battery status | OK | High ven. rate episodes per day | --- |
| Pacing mode | DDD | | |



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Device settings no. 21 (Last follow-up: Jan 16, 2019 10:40:04 AM)

Device settings - Overview:

| General | | | |
|----------------|--------------------------|---------------------|----|
| Last follow-up | Jan 16, 2019 10:40:04 AM | Device settings no. | 21 |

| | | | A | V |
|-----------------------------|----------|------------------------|---------|---------|
| Mode | DDD | Pulse amplitude [V] | 3.2 | 2.4 |
| Basic rate/Night rate [bpm] | 60/OFF | Pulse width [ms] | 0.50 | 0.50 |
| Sensor/Rate fading [bpm] | 120/OFF | Capture control (mode) | OFF | OFF |
| Upper tracking rate [bpm] | 130 | Sensitivity [mV] | 0.8 | 2.5 |
| Mode switching [bpm] | 160/DDIR | Pacing polarity | bipolar | bipolar |
| Vp suppression | OFF | Sensing polarity | bipolar | bipolar |
| Dynamic AV delay [ms] | 300 | | | |

Device settings - Lead:

| RA lead | | RV lead | |
|--------------------------|---------|--------------------------|---------|
| Pulse amplitude [V] | 3.2 | Pulse amplitude [V] | 2.4 |
| Pulse width [ms] | 0.50 | Pulse width [ms] | 0.50 |
| Pacing polarity | bipolar | Pacing polarity | bipolar |
| Sensing polarity | bipolar | Sensing polarity | bipolar |
| Sensitivity [mV] | 0.8 | Sensitivity [mV] | 2.5 |
| RA capture control | | RV capture control | |
| Capture control (mode) | OFF | Capture control (mode) | OFF |
| Min. amplitude [V] | --- | Threshold test start [V] | --- |
| Threshold test start [V] | --- | Safety margin [V] | --- |
| Safety margin [V] | --- | Search type | --- |
| Search type | --- | Interval [h] | --- |
| Interval [h] | --- | Time of day | --- |
| Time of day | --- | Lead check | |
| | | Enable lead check | ON |

Device settings - Bradycardia/CRT:

| Brady basics | | Atrial overdrive | |
|------------------------|--------|------------------|-----|
| Mode | DDD | Atrial overdrive | OFF |
| Basic rate [bpm] | 60 | | |
| Night rate [bpm] | OFF | | |
| Night begins | --- | | |
| Night ends | --- | | |
| Hysteresis [bpm] | OFF | | |
| Repetitive/Scan cycles | --- | | |
| Magnet response | ASYNCR | | |

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| Sensor/rate fading | | Refract. period / Blanking / PMT | |
|---|--------|--|------|
| Max. activity rate [bpm] | 120 | Auto PVARP | OFF |
| Sensor gain | AUTO | PVARP [ms] | 325 |
| Sensor threshold | Medium | PVARP after PVC [ms] | 475 |
| Rate fading | OFF | Atrial refractory period [ms] | AUTO |
| Rate increase [bpm/cycle] | 2 | Right ventricular refractory period [ms] | 250 |
| Rate decrease [bpm/cycle] | 0.5 | Far-field protection after Vs [ms] | 100 |
| Upper rate response | | Far-field protection after Vp [ms] | 150 |
| Upper tracking rate [bpm] | 130 | Ven. blanking after Ap [ms] | 30 |
| 2:1 rate [bpm] | 103 | PMT protection | ON |
| Atrial upper rate [bpm] | 240 | VA criterion [ms] | 350 |
| Vp suppression | | CLS | |
| Suppress pacing after X consecutive Vs | --- | CLS response | --- |
| Support pacing after X out of 8 cycles without Vs | --- | CLS resting rate control [bpm] | --- |
| Dynamic AV delay | | Vp required | --- |
| AV delay at 60 bpm [ms] | 300 | | |
| AV delay at 80 bpm [ms] | --- | | |
| AV delay at 100 bpm [ms] | --- | | |
| AV delay at 120 bpm [ms] | --- | | |
| AV delay at 140 bpm [ms] | --- | | |
| Sense compensation [ms] | -45 | | |
| AV hysteresis mode | I-Opt | | |
| AV hysteresis [ms] | AUTO | | |
| AV repetitive/scan cycles | ON | | |

Device settings - Atr. arrhythmia:

| Mode switching | | High atrial rate (HAR) | |
|--|------------|------------------------|-----|
| Mode switching | ON | HAR limit [bpm] | 160 |
| Intervention rate [bpm] | 160 | | |
| Switch to | DDIR | | |
| Onset criterion | 5 out of 8 | | |
| Resolution criterion | 5 out of 8 | | |
| Change of basic rate [bpm] | +10 | | |
| Rate stabilization during mode switching | OFF | | |
| 2:1 Lock-in protection | ON | | |

Device settings - Ven. arrhythmia:

| High ventricular rate (HVR) | |
|-----------------------------|-----|
| HVR limit [bpm] | 180 |
| HVR counter [events] | 16 |

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Device settings - Home Monitoring:

| Home Monitoring | | Statistics | |
|---------------------------|----------|--------------------------------|---------|
| Time of transmission | 2:00 AM | Start resting period | 2:00 AM |
| High atrial rate | AT | Resting period duration [h] | 4.0 |
| Ongoing atrial episode | 6h 0min | AV delay adj. sensing test | ON |
| High ventricular rate | ON | Thoracic impedance measurement | ON |
| Event-based IEGM | ON | Periodic follow-up dates | |
| Recording triggers | | Cycle duration [d] | OFF |
| High atrial rate | AT | HM follow-up date 1 | --- |
| High ventricular rate | ON | HM follow-up date 2 | --- |
| Patient trigger | OFF | HM follow-up date 3 | --- |
| Pre-trigger recording [%] | 75 | HM follow-up date 4 | --- |
| IEGM signal | Filtered | HM follow-up date 5 | --- |

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Lead information

| Model | MFR | Serial number | Implant date | Polarity type | Brady channel | Tachy channel | Location |
|-------------|-----|---------------|--------------|---------------|---------------|---------------|-----------------|
| Setrox S 53 | BIO | 29534307 | Jun 5, 2015 | bipolar | RA | --- | Right atrium |
| Setrox S 60 | BIO | 29656977 | Jun 5, 2015 | bipolar | RV | --- | Right ventricle |