

Name	John Smith	Sex	<input checked="" type="checkbox"/> male	<input type="checkbox"/> female
Reference No.	ABCD1234	Referring Physician	Dr Jane Smith	
Date of Birth	01/01/1970			



- Indication for testing** Capture and investigate periods of behavioral arrests
- Medication** Nil
- Clinical information** Normal brain MRI

Conclusions

This is a normal ECG record. Though the patient reported a single event, this did not coincide with abnormal ECG activity. However, abnormal activity was identified in the EEG recording.

ECG Findings

Heart Rate Data

Total beats 346489 **Beats analysed** 98%

Min 42 bpm
Max 152 bpm
Average 83 bpm

QT Analysis

Mean QT 403 ms
Mean QTc 442 ms
Normal pop. range: 350-460 ms

Heart Rate Variability

SDNN 137 ms
Normal pop. range: 80-180 ms

SDANN 5 122 ms
Normal pop. range: 75-160 ms

RMSSD 47 ms
Normal pop. range: 15-45 ms

154

hours of data analysed

1

events identified

1

event button presses

Ventricular Ectopy

Total VE beats	0	Single PVC	0
Vent. runs	0	Single/Late VEs	0
Beats	0	Bi/Trigeminy	0
Longest	0	R on T	0
Fastest	0	Triplets	0
		Couplets	0

Supraventricular Ectopy

Total SVE beats	1	Atrial pairs	0
Atrial runs	0	Drop/Late	0
Beats	0		
Longest	0	Single PAC's	1
Fastest	0	Bi/Trigeminy	0

Atrial Fibrillation

Beats	0	Events	0
Duration	0		

154

hours of data analysed

50

events identified

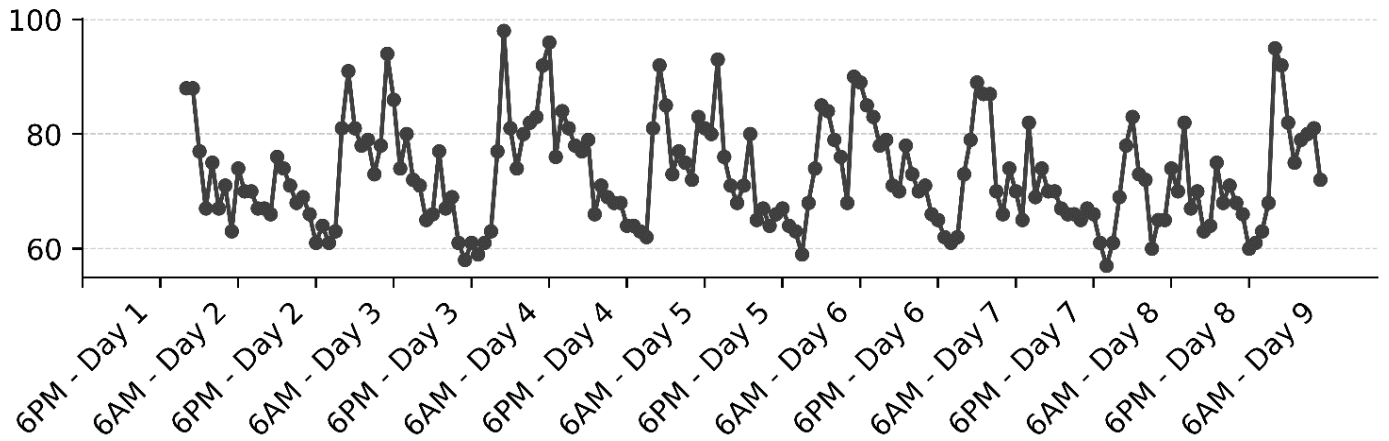
1

event button presses

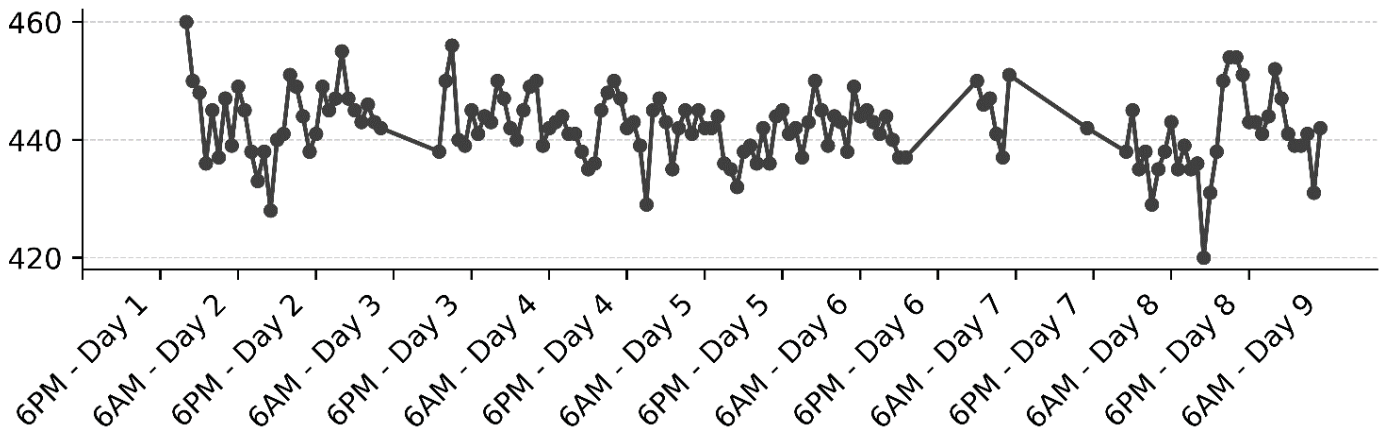
EEG Findings

This is an abnormal record. Frequent very brief high amplitude epileptiform discharges were seen throughout the recording, and these have a symmetric frontal maximum.

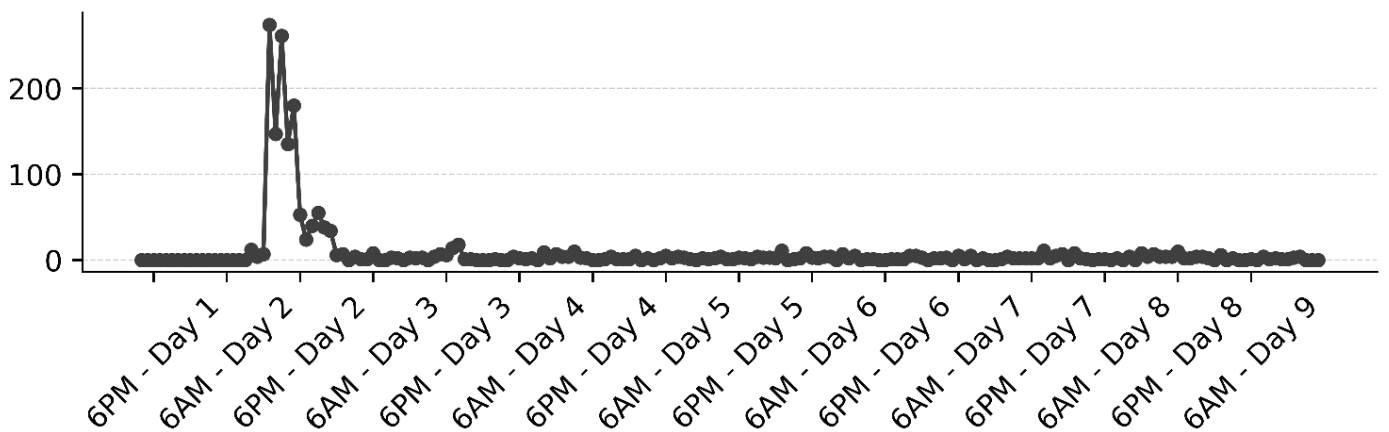
Heart Rate (BPM)



QT (ms)



Ectopic Events (count/hr)



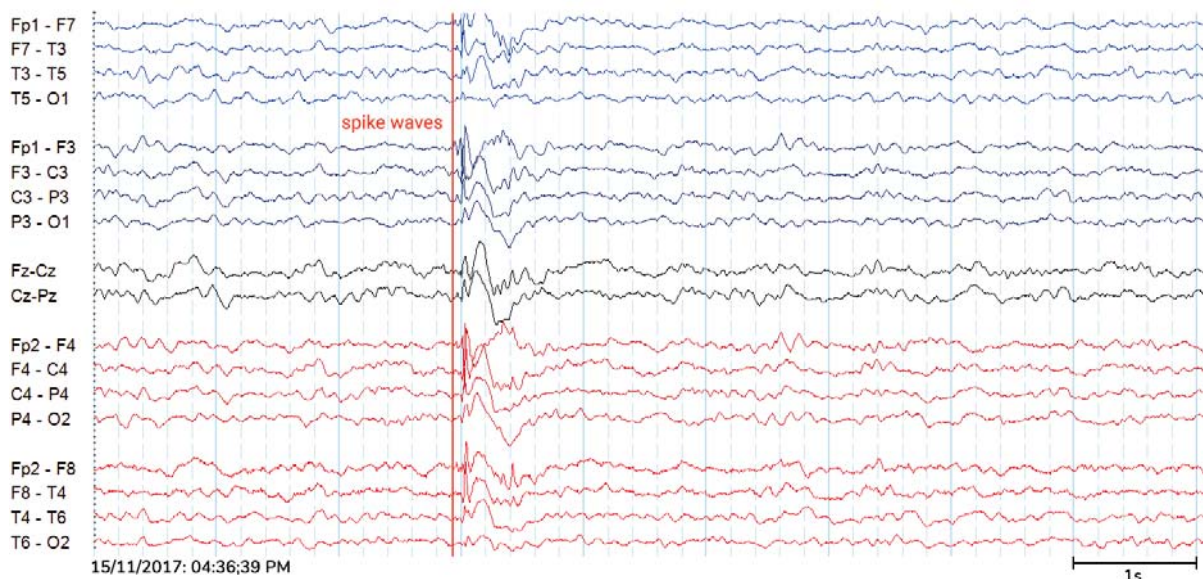
Conclusions (continued)

Monitoring started at 1:04 pm and continued for 168 h. The average heart rate was 83 BPM. The minimum heart rate was 52 BPM, occurring at 3:41 pm Day 4. The maximum heart rate was 152 BPM, occurring at 11:04:20 pm Day 4. The patient's rhythm included 1 h 25 m 32 s of bradycardia. The slowest single episode of bradycardia occurred at 3:41:32 pm Day 5, lasting 20 s, with a minimum heart rate of 52 BPM. The patient's rhythm included 1 h 16 m 2 s of tachycardia. The fastest single episode of tachycardia occurred at 2:55:15 am Day 4, lasting 1 m 44 s, with a maximum heart rate of 152 BPM.

Exemplar ECG region identified

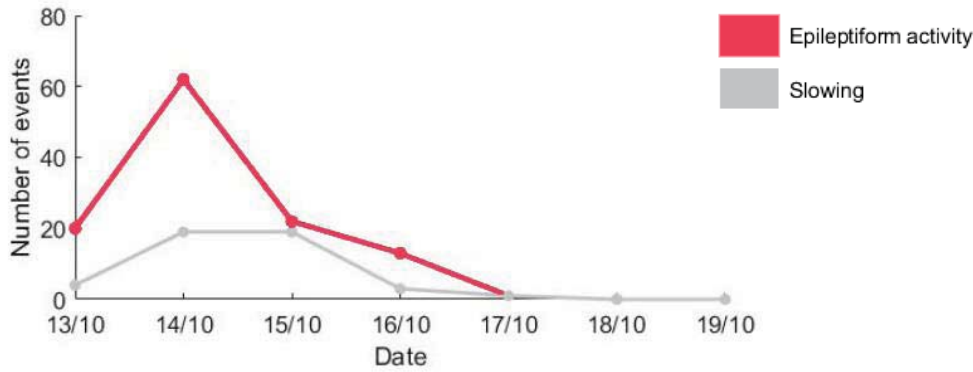


Exemplar EEG region identified

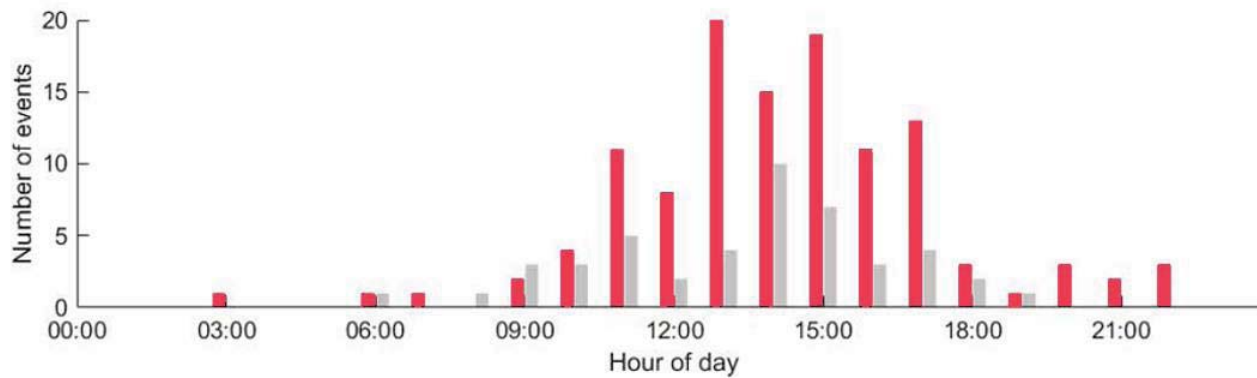


Further Information - EEG

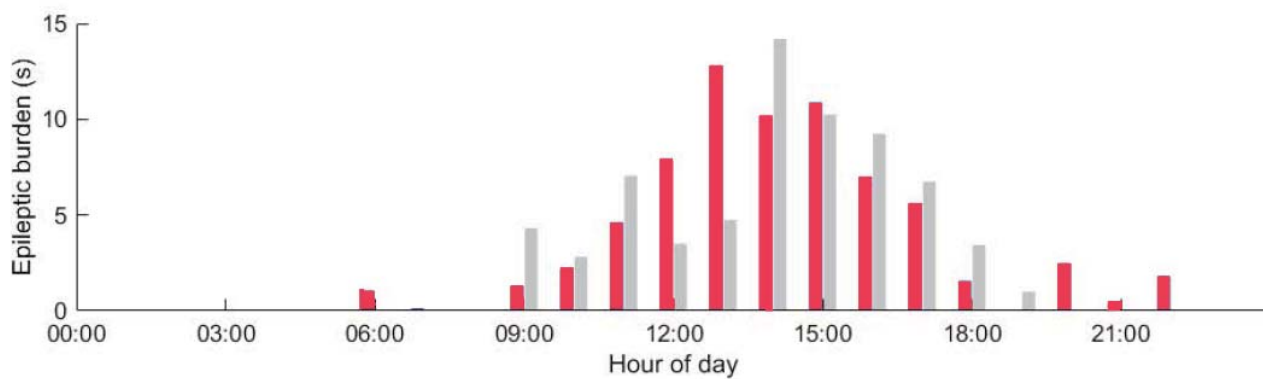
Number of events per day



Average number of events by hour of day



Epileptic burden (average epileptic duration) by hour of day



0.02%

Percentage of time with epileptic activity

5.73s

Average duration of an epileptic event

138s

Total duration of epileptic activity