




Name John Smith Sex male female
 Reference No. ABCD1234 Referring Physician Dr. Jane Smith
 Date of Birth 01/01/1970



-  Indication for Testing Capture and investigate episodes of behavioral arrest
-  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

Normal mean: 60-100 bpm

Heart Rate Variability

SDNN 134.1 ms RMSSD 25.6 ms
 Normal: 100-180 ms Normal: 15-35 ms

SDANN 5 140.8 ms
 Normal: 90-160 ms

QT Analysis

	min	mean	max
QT	321 ms	417 ms	477 ms
QTc	353 ms	405 ms	460 ms

Normal QTc mean: 350-450 ms

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

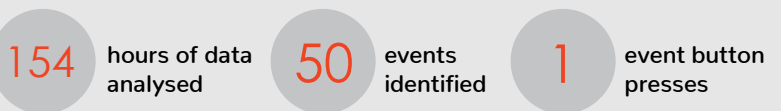
Supraventricular Ectopy

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

Atrial Fibrillation

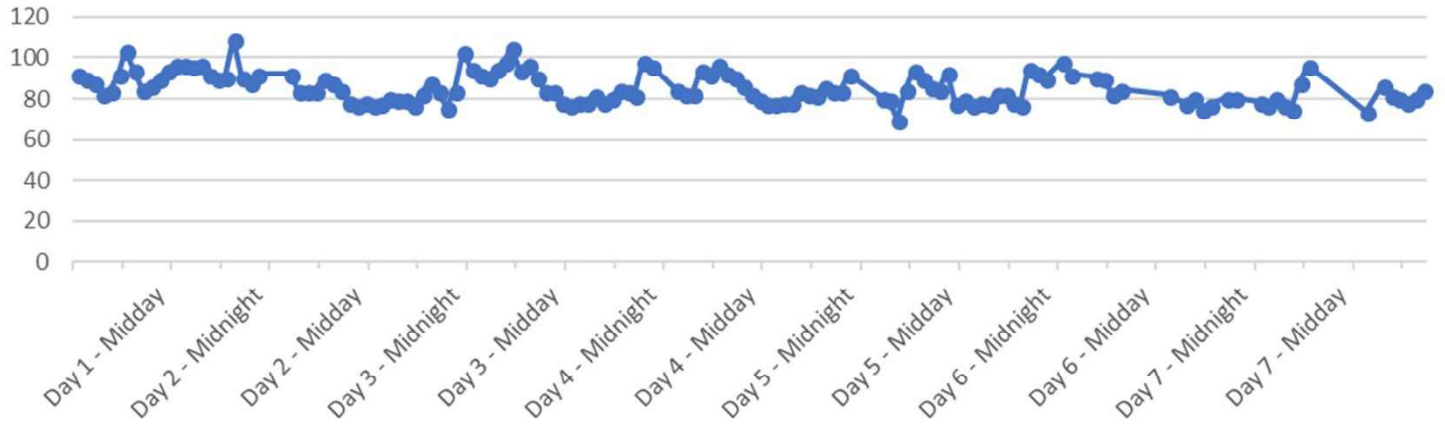
Beats	0	Events	0
Duration	0		

EEG Findings

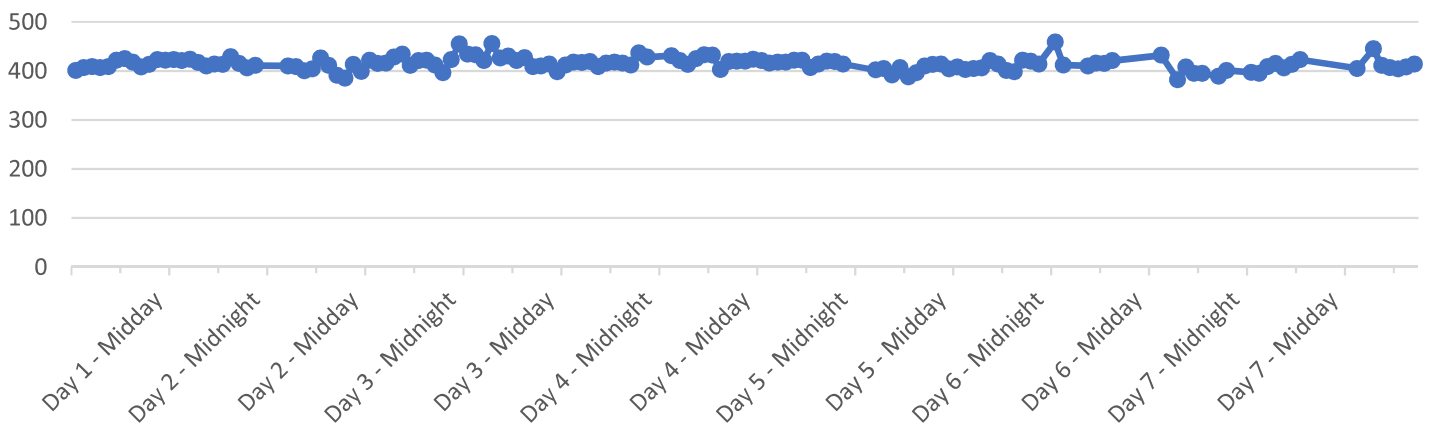


This is an abnormal record. Frequent very brief high amplitude epileptiform discharges were seen throughout the recording though, and these have a symmetric frontal maximum.

Heart Rate (BPM)



QTc (ms)



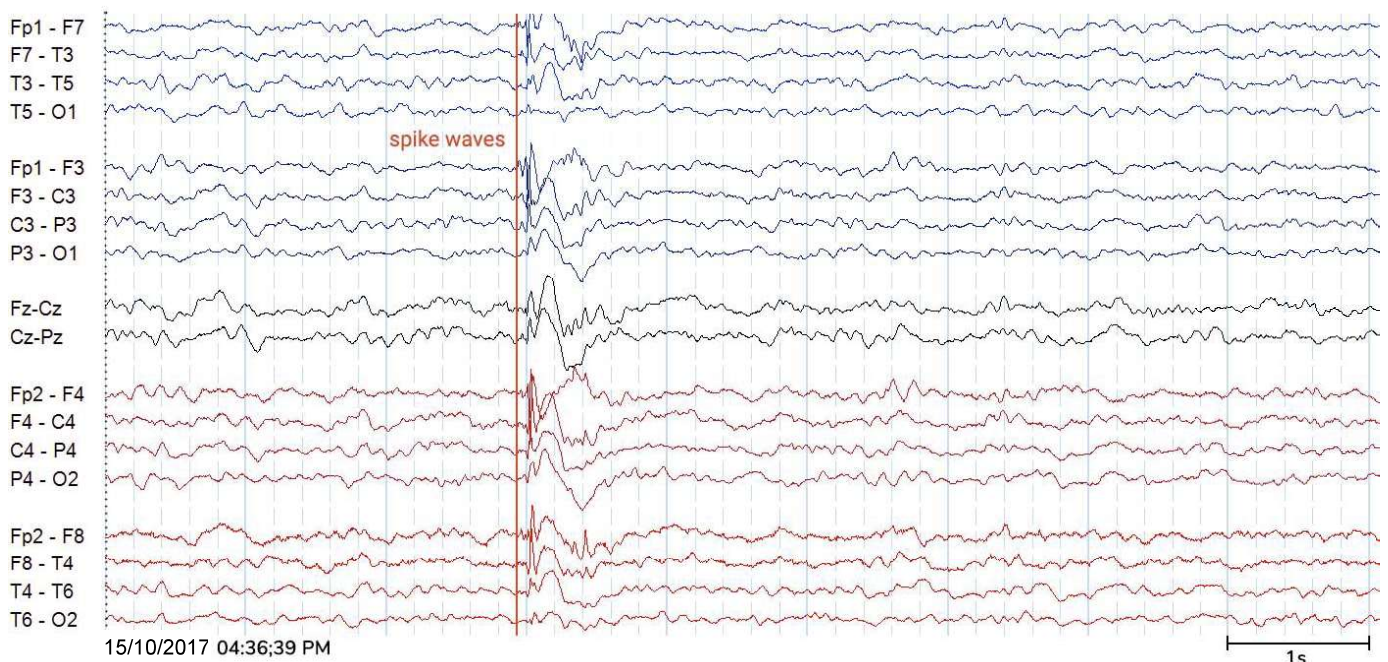
Conclusions (continued)

Monitoring started at 1:04 PM and continued for 168h. 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 hr 25 min 32 sec of bradycardia. The slowest single episode of bradycardia occurred at 3:41:32 PM Day 5, lasting 20 seconds, with minimum heart rate of 52 BPM. The patient's rhythm included 1 hr 16 min 2 sec of tachycardia. The fastest single episode of tachycardia occurred at 2:55:15 AM Day 4, lasting 1 minute 44 seconds, with maximum heart rate of 152 BPM. QT interval averaged 379 ms during the monitored period. QTc interval average 438 ms during the monitored period. Maximum QT interval was 480 ms during the monitored period. Maximum QTc interval was 615 ms during the monitored period, occurring at 3:18:00 PM. Minimum QT interval was 271 ms during the monitored period, occurring at 2:56:30 AM. Minimum QTc interval was 378 ms during the monitored period, occurring at 2:24:30 AM. The percent of average QTc greater than 450 ms was 19%

Exemplar ECG region identified

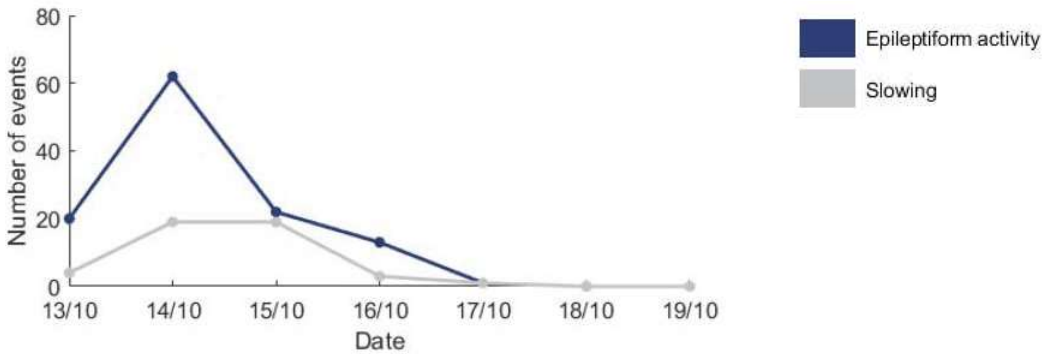


Exemplar EEG region identified

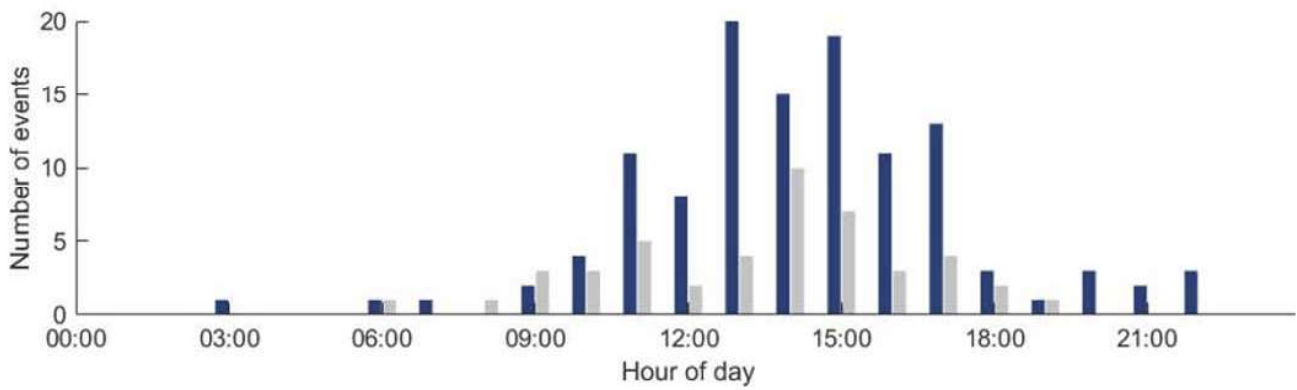


Further information - EEG

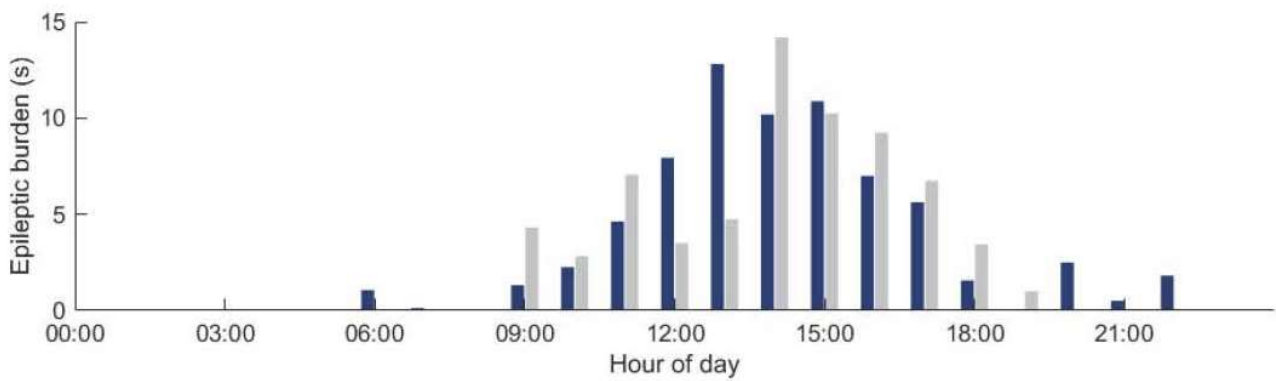
Number of events per day



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