

# Sensium® - Detects Tachycardia, Fast Atrial Fibrillation Diagnosed

## CASE STUDY

### About the Patient:

A 65 year old male patient was on a post surgery ward and was 4 days post colorectal surgery. The patient had a suspected infection which was being managed using IV antibiotics, IV paracetamol and daily bloods/blood cultures. Clinical staff were aware of the patients elevated temperature.

### Ward rounds and NEWS:

Day 4 06:11 Temp 38.4°  
Day 4 07:15 High HR confirmed,  
12 lead ECG ordered  
Day 4 09:01 IV Digoxin

### Sensium® Notifications:

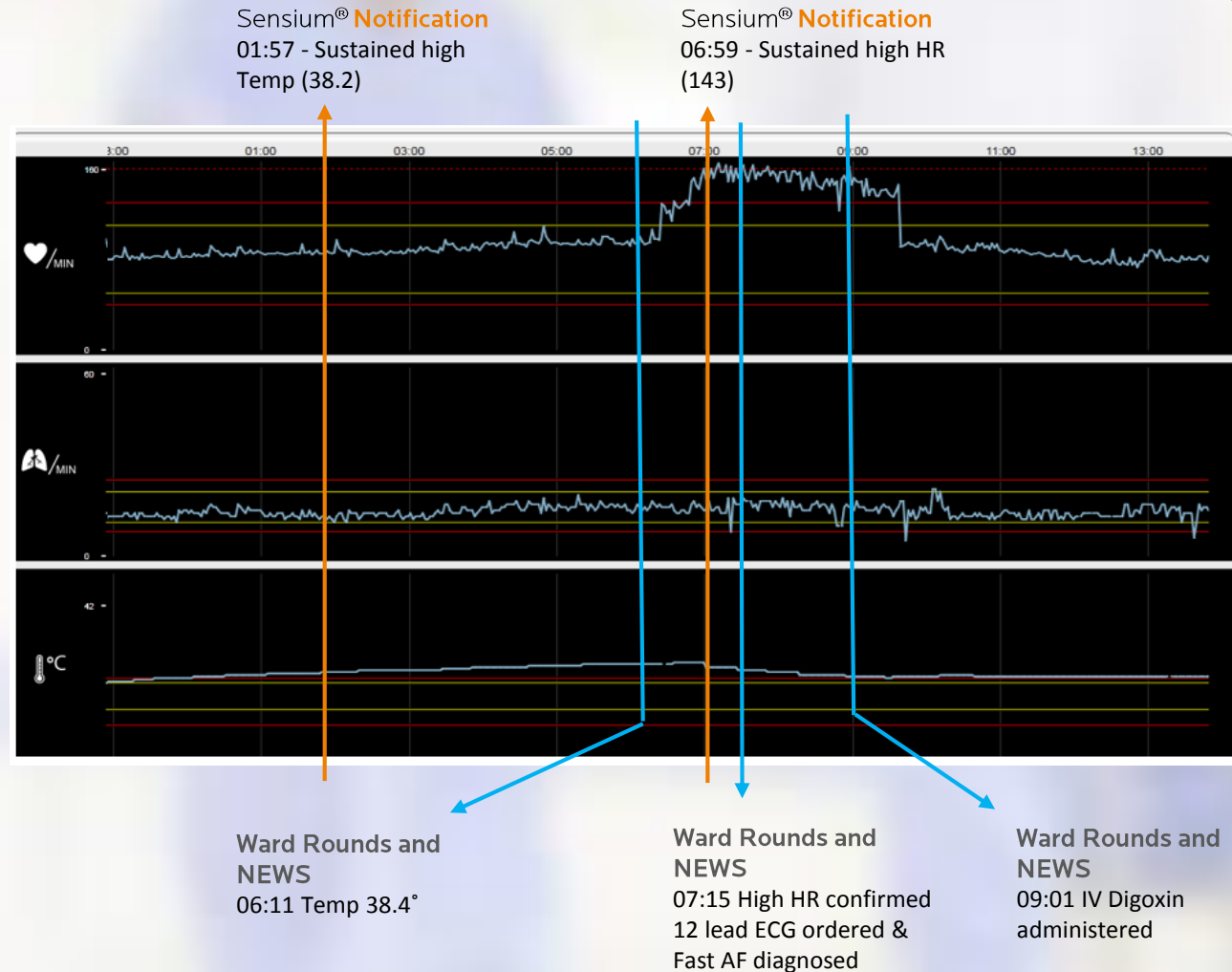
Day 4 01:57 Alert High Temp 38.2°  
Day 4 06:59 Alert High HR 143

### Clinical Response:

The nurse responded to the high HR notification by manually checking the HR and escalating to a senior clinician. The doctor ordered a 12 lead ECG, confirmed a fast AF diagnosis and prescribed IV Digoxin to stabilise the patients erratic heart rate. The effectiveness of the treatment was then monitored using the Sensium trend screen

### Outcome:

Sensium first notified of this patients high HR 45 minutes after a previous observation round, 3 hours and 15 minutes before the next scheduled observation round. The patients condition stabilised and he was later discharged home.



**Note:** After Digoxin was administered the heart rate settled and was monitored using the Sensium trend screen

# Sensium® - Detects Tachycardia Episode Between Observation Rounds



## About the Patient:

A 79 year old male was admitted to the infectious diseases ward after being discharged home after a haematology day case following a blood transfusion. The patient became unwell in the ambulance and a temperature of 39.5° and confusion was noted.

Past medical history includes multiple myeloma and renal end organ damage

## Ward rounds and NEWS:

Day 1	05:53	NEWS 1
Day 1	08:47	NEWS 0
Day 1	14:26	NEWS 1
Day 1	23:45	NEWS 1

## Sensium® Notifications:

Day 1	16:39	Alert High HR 145
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## Clinical Response:

The instance of tachycardia for this patient is significant as it was prolonged and happened between observations rounds. If this were to happen in a lower acuity environment the outcome for the patient could have been quite different.

## Outcome:

Day 3 patient discharged home.

