

# ATRIAL FIBRILLATION

## Detects Tachycardia, Fast Atrial Fibrillation Diagnosed

### 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:

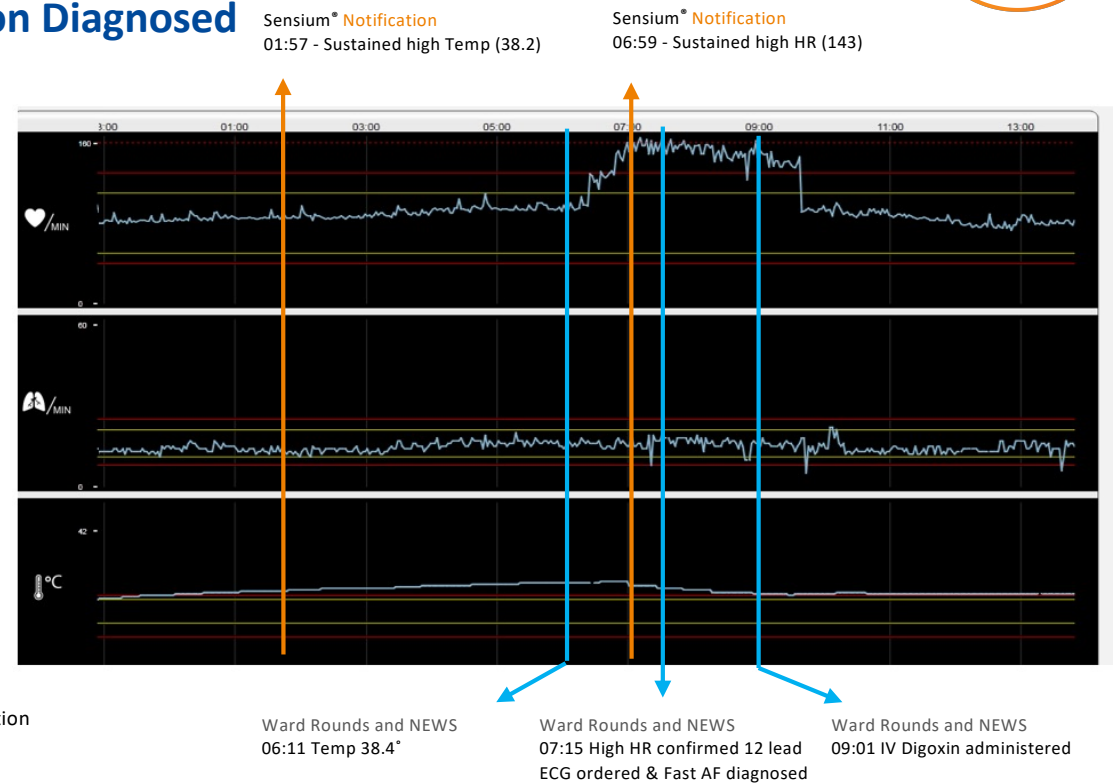
Day 4 01:57 Alert High Temp 38.2°  
 Day 4 06:59 Alert High HR 143

### 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 Digoixin 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