# CLOZAPINE INDUCED MYOCARDITIS MIMICKING SEPSIS

E.OBINNA, H.TANWAR (East Kent Hospitals NHSESHEATIONS BACKGROUN Clozapine, first produced in CRP >285mg/L WCC 20.3 10^9/L. D-dimer 3.0906

antipsychotic used treatment-resistant schizophrenia Myocarditis, is

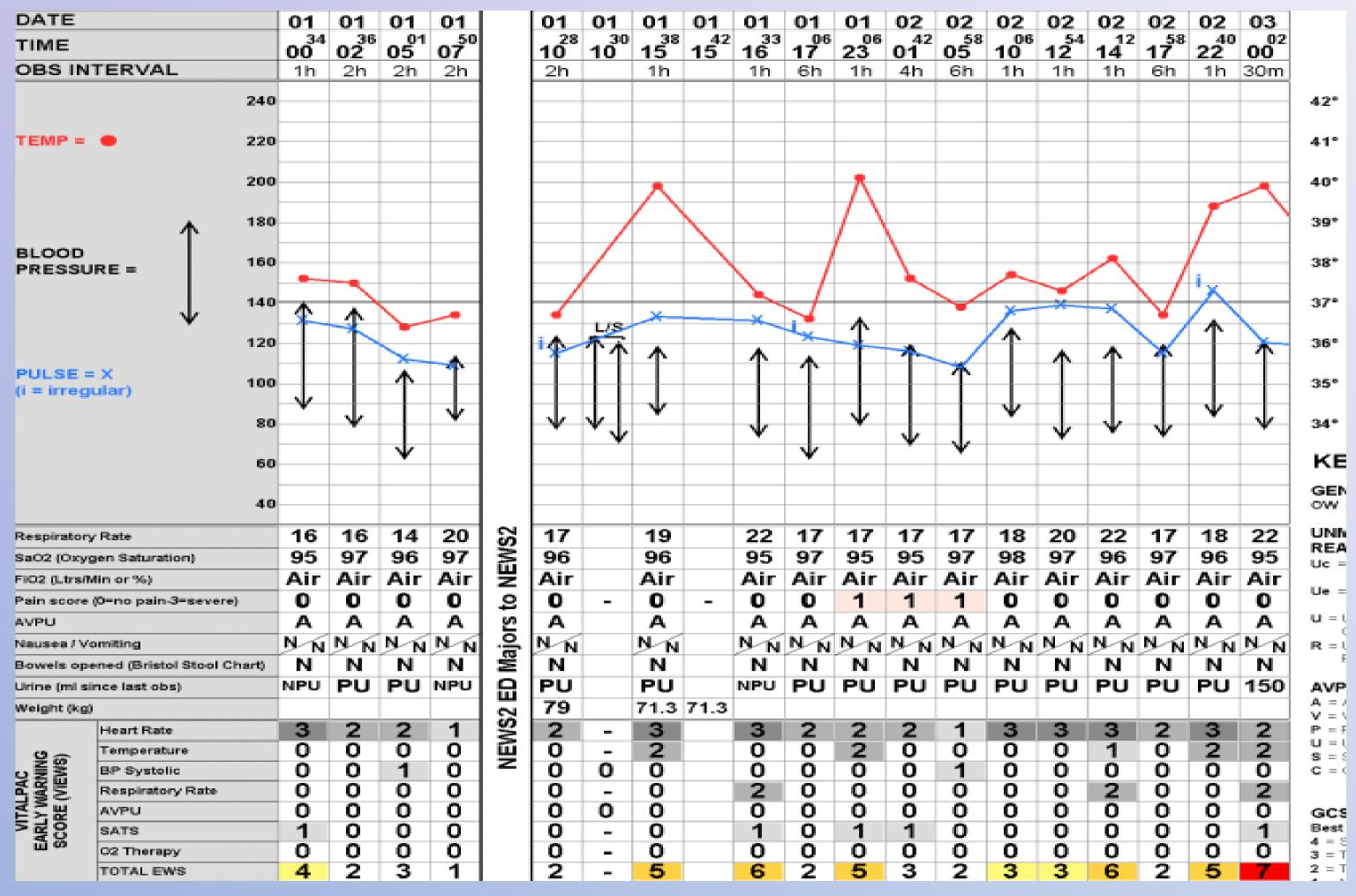
a rare and STUG RYde potentially effect of Ho38piyear oldith presepticg with

persentation iness, sore throat, lethargy and unsteady on his feet in days. Admitted the last 4 antibiotics Started progressively got

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and patediominal exams

#### OBSERVATION



#### References

- 1. Tanuka Datta, Allen J Solomon: Clozapine Induced Myocarditis PMCID: PMC5761502, 2018, Oxford Med Case reports.
- 2. Ashlee Rickard Riggs, Dylan M. Cooper- Clozapine induced myocarditis, US Pharm. 2018;43(11):HS2-HS7, 2018.
- 3. Ronaldson KJ, Taylor AJ, Fitzgerald PB, et al. Diagnostic characteristics of clozapine-induced myocarditis identified by an analysis of 38 cases and 47 controls. J Clin Psychiatry. 2010;71(8):976-981.
- 4.Killian JG, Kerr K, Lawrence C, Celermajer DS:

CRP > 285 mg/L WCC 20.310<sup>9</sup>/L, D-dimer 3.09ug/ **EOS 2.5** 

Trop 1245 > 1400

12 lead Ecg: sinus tachycardia

Urine MCS/ Blood: No bacteria growth

Chest x-ray: No abnormality detected

CT pulmonary Angiogram: No Pulmonary Embolus MANGEMENT

Hischie waststopped and heaves started on Ivbradine to control his heart rate.

.He improved dramatically, this prompted the decision to discontinue his clozapine indefinitely.

A new alternative to clozapine was started Hrasidos 10N

Clozapine induced myocarditis carries a significant mortality (10-50%) hence, a high degree of suspicion must be maintained for adverse cardiac events in patients on clozapine. Baseline investigations (CRP, FBC, ECHO, Troponin) prior to commencing clozapine ensures toxicity is picked up early with regular weekly blood work up



### **ECHOCARDIOGRA**

Micuspid regurgitation, EF 55%, Mild pericardial



## VITALS AFTER CLOZAPINE WAS STOPPED

