Case Series of the Effects of COVID - 19 on

Oaktrees Eating Disorder Ward – Lessons Learnt



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Background

Early in the COVID-19 pandemic, every patient on Oaktrees Eating Disorder Unit became infected at the same time with Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). At the time, this presented staff with new clinical challenges and it was incredibly difficult and stressful to manage. Following the incident, it provided a unique opportunity to examine any patterns in the presentation of COVID-19 in patients with anorexia nervosa. Recognising patterns will hopefully allow for early diagnosis in the future, and prevent significant spread of disease on the ward again.

Method

Clinical care records (both online and paper) were reviewed for each patient who contracted COVID-19. General patient demographics were recorded including age, sex, ethnicity, past medical history and BMI at the time of infection. Symptoms and signs were categorised. Blood tests were reviewed. Change in BMI during the time of infection was used as an objective indication of psychological well being as well as a marker of how COVID–19 affected their eating disorder.

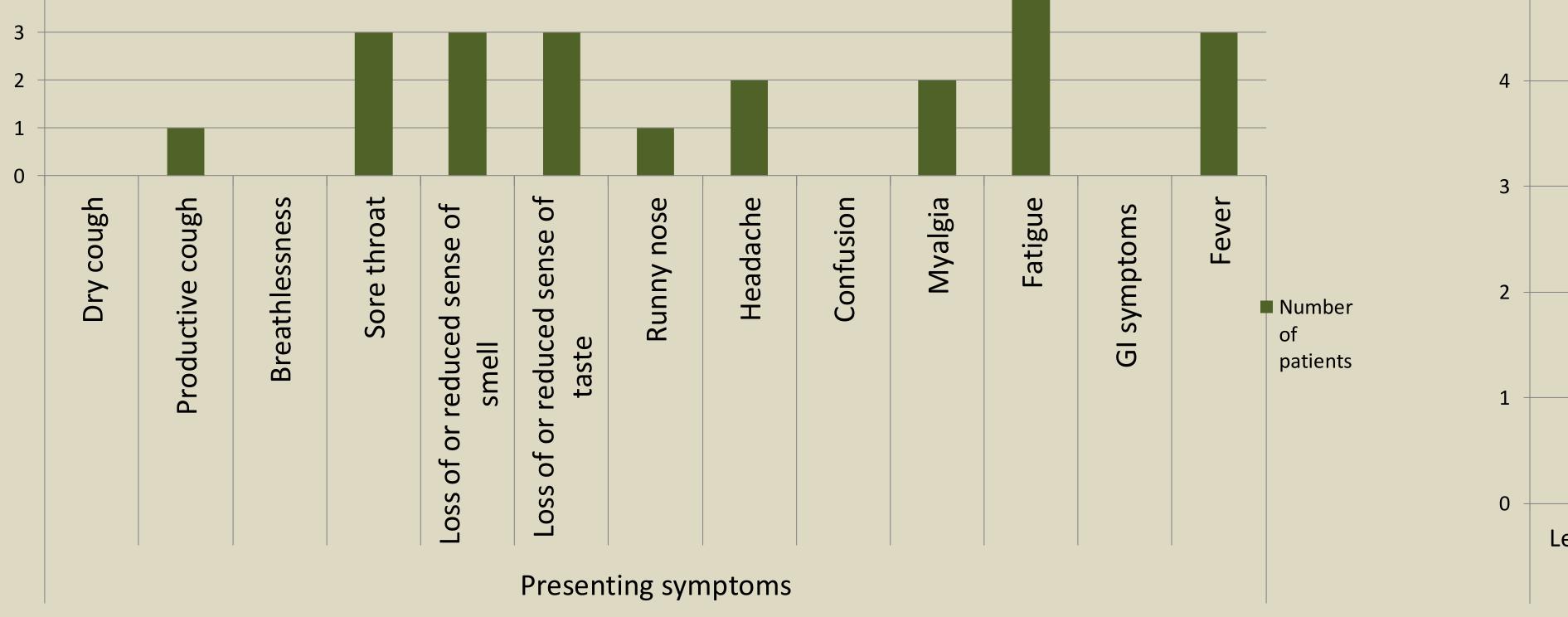
Results

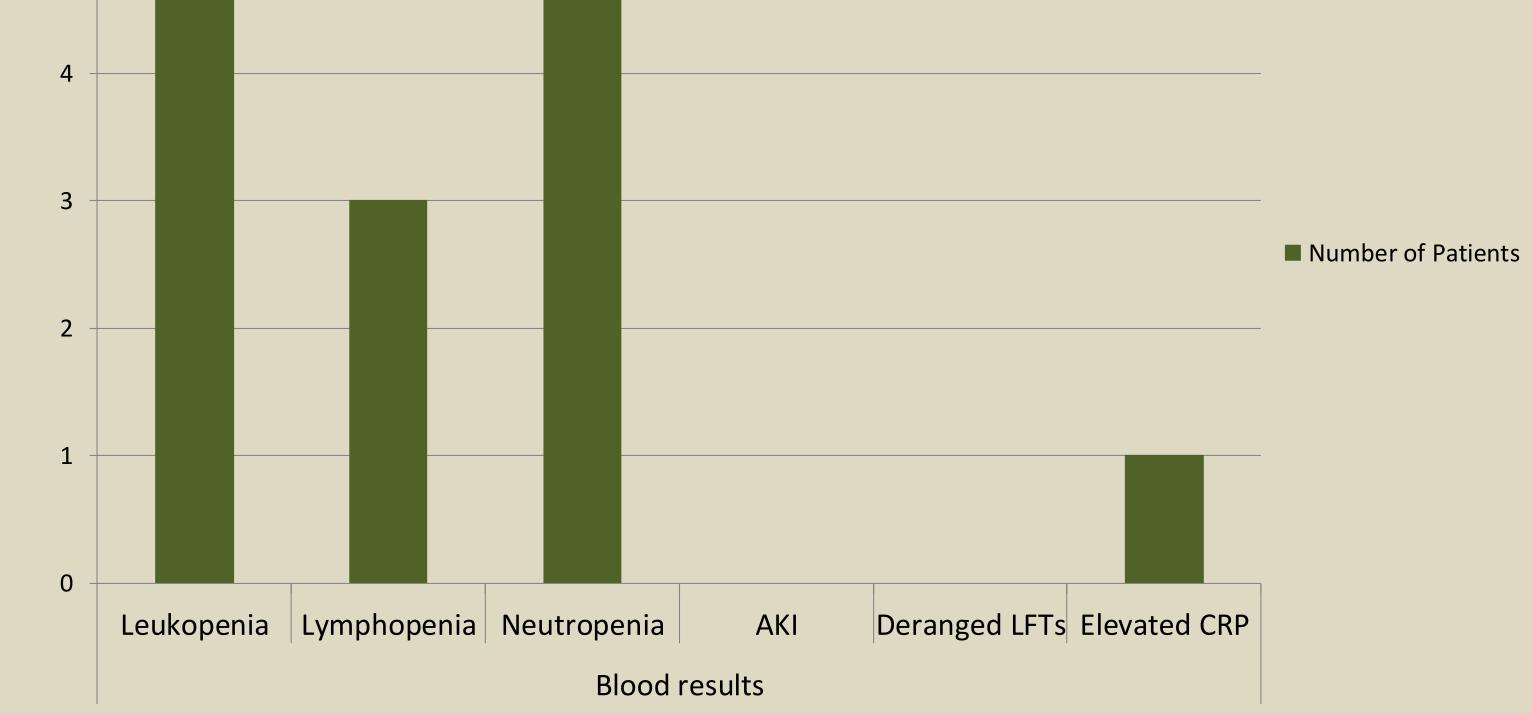
6 patients were infected with SARS-CoV-2 on Oaktrees ward between 17/04/2020 to 12/05/2020. Overall clinical presentations were mild. The median period of isolation was 14 days. 4 out of the 6 patients continued to restore their weight despite being in isolation. 2 patients were treated with antibiotics for suspected pneumonia and 1 patient required transfer to an acute medical ward, where she was also treated in intensive care. She was transferred after presenting with acute confusion and poorly controlled epilepsy. She was treated in hospital for possible COVID-19 encephalitis, pneumonia and her epilepsy medication was reviewed.



Patient demographics

- Age ranged from 20 to 45 years.
- 5 out of the 6 patients were female
- BMIs of the patients ranged from 12.7Kg/m2 to 15.1Kg/m2.
- 6 out of 6 patients were White British.
- 3 out of the 6 patients had significant past medical history. 1 patient had asthma, 1 patient had a history of previous stroke and epilepsy, 1 patient had a history of idiopathic thrombocytopenia.
- 1 out of 6 patients was an ex-smoker and was on Nicotine Replacement Therapy.





Conclusion

- Examining this time period in more detail has allowed us to identify patterns of COVID-19 within our population of patients. There was an expectation that the patients would not do well. However, overall the
- Daktrees Ward Pathway COVID-19 Apply clinical judgement; don't forget non-COVID causes of illness

Symptoms COVID-19: Fever > 37.8ºC +/- new continuous cough, SOB (3-64%), myalgia (11-15%), nasal symptoms (4-24%), sore throat (14%), headache (6-34%), anosmia (1-66%)

Assessment:

- Respiratory Questions:
 - How is your breathing today?
 - Is it better, worse or no change from yesterday? Are you breathing harder or faster than usual when doing nothing at all?
 - What could you do yesterday that you can't do today? What makes you breathless

patient cohort experienced a relatively mild illness

- Presenting symptoms were often non specific and therefore a low threshold for testing seems appropriate
- Lymphopenia was present in 50% of our population and when present, appeared to be an early sign
- Reassuringly, the majority of patients continued to restore weight whilst in isolation
- The ward responded and adapted quickly to create a bespoke policy for patients with anorexia nervosa who
 presented with symptoms of COVID-19 (See Oaktrees Ward Pathway COVID-19)
- This data has also been included in a central study, in order to increase knowledge of anorexia nervosa and COVID-19 on a national scale

	news the	at didn't make you breathless yesterday?		
L>		out cough and sputum		
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0. 6:		k: Are there any other symptoms causing		
		atory illness: Think about non-covid cause		
		en saturations and respiratory rate are the		
		t auscultation tends to be unremarkable in	COVID-19. /	Avoid examination of
throat.		1		Ļ
Mild Symptoms		Moderate Symptoms	Severe Symptoms	
Not SOB		Some (new) SOB +/- SOBOE	Worsening SOB	
Able to do ADLs		Mild chest tightness	Chest pain	
Completing full sentences		Able to do ADLs but lethargic	Unable to get out of bed	
RR 14 – 20		Breathing worse than yesterday	Not completing full sentences	
Oxygen Sats > 96%*		Purulent sputum	New confusion	
ov18cu 9905 > 2014		Completing full sentences	RR >	
Oxygen Sats could be less		Adult RR 21 – 24	Oxygen Sats < 94%	
than 94% at rest at baseline in		Adult Oxygen Sats ≥ 94%*		ced UO; cold extremities
patients with underly	ing			led skin
respiratory / cardiaci	-			
				1
chara an Marada	Chara - 1	•		↓ For boundaries
Stay On Ward:		• Ward With Close Observations		For hospital admiss
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Stay On Ward: <u>Advice:</u> Inform Eating Disorder	Advice as p	er Mild AND.;	65 score 2 1	<u>If:</u>
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