

10.20 Home oxygen therapy outcomes of post COVID-19 patients (2020-2023). Oxygen Therapy Clinic, Our Lady of Lourdes Hospital

Sarah Nolan¹, Viji Mathew¹

¹Our Lady of Lourdes Hospital, Drogheda, Co. Louth, Ireland

Background: This poster explores the need for home oxygen therapy in those being treated for COVID-19 from Our Lady of Lourdes Hospital. Home oxygen therapy is a long established practice in the general respiratory population but the impact of COVID-19 and the need for on-going home oxygen therapy in its treatment is not yet well known.

Methods: Collation and analysis of COVID-19 patient data collected from the Oxygen Therapy Clinic (OTC) in OLOL was analysed. The assessment results of the 30 patients who attended the OTC with COVID-19 from 1/1/2020-31/7/2023 were reviewed. The source of referral and the reason for referral was recorded. The outcome and OTC follow-up for each patient was analysed along with any onward referrals.

Results: 30% of patients had another respiratory diagnosis. 76.66% of patients either had no oxygen requirements or had oxygen supplied during their in-patient stay removed upon attending the OTC (see Table 1). 80% of patients were discharged from the oxygen therapy clinic on their initial visit (see table 2). 13.33% of patients were referred to other OPD clinics (see table 3).

Conclusions: The majority of patients with COVID-19 who were referred for assessment or discharged from hospital with home oxygen did not require it on assessment in the OTC.

Keywords: COVID-19, home oxygen therapy, LTOT, ambulatory oxygen

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Table 1. Oxygen Therapy Clinic patient outcomes

Outcomes	No. of patients
No oxygen required	11
Remove both LTOT and ambulatory oxygen	4
Remove ambulatory oxygen	8
Remove LTOT and change ambulatory oxygen	2
Commence on ambulatory oxygen	1
Change to ambulatory oxygen	1
Appointment not required and discharged	1
No change to previous prescription	3

Table 2. Oxygen Therapy Clinic follow-up plans

Oxygen Therapy Clinic Follow-up	No. of patients
Discharged	24
Review in 1 year	3
Review in 6 months	3
Review in 2 months	1

Table 3. Onward referrals from the Oxygen Therapy Clinic

Onward referrals	No. of patients	
Overnight oximetry	1	
PFTs	3	
Sleep clinic	1	
Consultant clinic referral	Referred	3
	Already linked in	16
Discussed with consultant	6	
Pulmonary rehabilitation	Referred	5
	Declined	2
	Already linked it	1
	Unsuitable	22