

Establishing a Drive Through Respiratory Service

Cardiff and Vale HVT Service

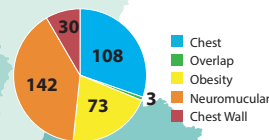
Assess, monitor and treat Ventilatory Failure

356 patients in the service (April 2021)

- 78% Cardiff and Vale patients
- 22% out of area patients

46 MND patients (13%)

Patient distribution according to disease



Consequences of the COVID-19 Pandemic on the HVT Service

Concerns over environmental contamination and airborne transmission

- Outpatient clinics stopped
- Home visits discouraged unless for emergency reasons
- Patients did not want to be seen (scared)

MARCH 2020



• Switch to phone and virtual reviews
BUT this did not provide effective treatment

Respiratory care of the MND patient

Motor neurone disease: assessment and management NICE guideline 42, sections 1.12, 1.13, 1.14

- Assess and monitor respiratory signs and symptoms
- Baseline of respiratory function and cough effectiveness, then review every 2-3 months
- Specialist respiratory review when indicated
- Treatments
 - Informed decision making
 - Assisted ventilation
 - Cough augmentation
 - Saliva management

Aids prediction of survival and quality of life.
Regular monitoring will help decisions about management in a timely way (eg: PEG, NIV)

Setting up the Drive Through Service

- Patient satisfaction survey
95% of patients felt a review of how their consultations were carried out was needed
ALL patients considered benefits to in-person face to face consultations
- Purchased a tent and a trolley
- Standard operating procedure
- Risk assessment
- Directions and appointment slots managed by the HVT

JUNE 2020

What can be performed in the Drive Through Service

- Signs and symptoms
- Ventilator reviews
- Capillary blood gases
- Interface reviews
- SpO₂
- Information dissemination
- SNIP
- Patient and carer support
- Oxygen assessment



The Positives

- No need to find a car parking space
- No need for the patient to walk
- Improved communication
- Improved concordance with NG42
- Reduction in risk of environmental contamination and airborne transmission of viruses

The Challenges

- Not private
- Can be cold and wet – effects patients, staff and equipment
- Aerosol generating procedures cannot be performed (e.g. CPF)

The Future

- Continue with this new service offering appointments as appropriate
- Future COVID safe service for scheduled care
- Source funding for a permanent structure