

To whom it may concern,

Your patient may fit initial criteria to be eligible for consideration of a **Lung Volume Reduction** procedure through a Regional Advanced Emphysema MDT that could help with their symptomatic breathlessness caused by emphysema.

Please find included all [National Advanced Emphysema Services and MDT contact details](#).



Lung Volume Reduction Surgery



Zephyr® Endobronchial Valve

Lung volume reduction can be performed surgically, by removing sections of emphysematous tissue that does not contribute to gas exchange, and traps air that is a cause of their breathlessness.

It can also be performed by minimally invasive means via a bronchoscope and the insertion of small one-way valves called endobronchial valves. These valves slowly remove the trapped air from the diseased portions of the lung and allow the patient to breath much more effectively and efficiently to reduce their symptoms.¹

These treatment options are recommended by both **GOLD**² and **NICE**³ and can be performed once some initial criteria are met from various tests. NICE guidance in relation to lung volume reduction can be found here:

<https://www.nice.org.uk/guidance/ng115/chapter/Recommendations>



Late in 2020 NHS England recognised the value of such a procedure in the correct population and granted National Commissioning for Lung Volume Reduction by surgery or Endo-Bronchial Valves in adults with severe emphysema (NHS Reference 200806P (1622)).

Lung surgery and lung volume reduction procedures³

1.2.88 Offer a respiratory review to assess whether a lung volume reduction procedure is a possibility for people with COPD when they complete pulmonary rehabilitation and at other subsequent reviews, if all of the following apply:

- they have severe COPD, with FEV1 less than 50% and breathlessness that affects their quality of life despite optimal medical treatment (see recommendations 1.2.11 to 1.2.17)
- they do not smoke
- they can complete a 6-minute walk distance of at least 140 m (if limited by breathlessness). **[2018]**

1.2.89 At the respiratory review, refer the person with COPD to a lung volume reduction multidisciplinary team to assess whether lung volume reduction surgery or endobronchial valves are suitable if they have:

- hyperinflation, assessed by lung function testing with body plethysmography **and**
- emphysema on unenhanced CT chest scan **and**
- optimised treatment for other comorbidities. **[2018]**

Please can you review the points above in relation to your patient and refer to one of the centres below where they will be considered for treatment.

National Advanced Emphysema Services and MDT contact details (status March 2021 by city):

| City | Hospital/Facility | Contact | Phone Number |
|----------------|---|--|--|
| Birmingham | Queen Elizabeth Hospital Birmingham | Mr Naidu Mr Fallouh | ¹ +44 1213715925 or ² +44 121 4243561 |
| Bristol | Bristol Royal Infirmary | Mr Batchelor Dr Curtis | +44 117 342 2620 |
| Cambridge | Addenbrookes Hospital | Dr Mahadeva | +44 1223 348 119 |
| Cardiff | University Hospital Wales | Ms Kornaszewska Dr Sabit | +44 29 207 47747 |
| Edinburgh | Edinburgh Royal Infirmary | Dr Skwarski Mr Will | +44 131 242 1867 |
| Hull | Castle Hill Hospital | Mr Tentzeris Mr Crooks | +44 7926 379386 |
| Leeds | Spire Leeds Hospital (Private) | Mr Papagiannopoulos | +44 113 269 885 |
| Leeds | St James University Hospital | Mr Chaudhuri Dr Dimov | +44 113 206 8760 |
| Leicester | Glenfield Hospital | Mr Rathinam Dr Panchal | ¹ +44 116 258 3959 or ² +44 116 258 3844 |
| Liverpool | Liverpool Heart & Chest Hospital | Dr Mohan ¹ Mr Shackcloth ² | ¹ +44 151 600 1153 or ² +44 151 600 1398 |
| London | Guys and St Thomas's | Dr Dewar Mr Okiror | +44 20 7188 7188 |
| London | Royal Brompton Hospital | Dr Shah ¹ Dr Hopkinson ² | ¹ +44 20 7351 8021 or ² +44 20 7349 7775 |
| London | St Bartholomew's Hospital | Mr Waller Mr Kelvin Lau | +44 20 7377 7000 |
| London | St George's Hospital | Mr Vaughan Dr Ruickbie | +44 20 8672 1255 |
| London | The Harley Street Clinic (Private) | Dr Shah | +44 20 7034 8758 |
| London | University College London Hospital | Dr Heightman Dr Thakrar Mr Panagiotopoulos | +44 20 3456 7890 |
| Manchester | Wythenshawe Hospital | Dr Barraclough ¹ Dr Al-Aloul ² | ¹ +44 161 998 7070 or ² +44 161 291 2565 |
| Middlesbrough | James Cook University Hospital | Dr Sathyamurthy Mr Dunning | +44 1642 854475 |
| Nottingham | Nottingham City Hospital | Prof Baldwin Dr Kemp | +44 7812 275908 or +44 115 969 1169 ext 77608 |
| Oxford | The John Radcliffe Hospital | Ms Belcher Dr Moore | +44 1865 221 749 |
| Oxford | The Manor Hospital (Private) | Ms Belcher | +44 1865 221 749 |
| Scotland | Golden Jubilee National Hospital | Mr Kirk | +44 116 258 3158 |
| Sheffield | Northern General Hospital | Miss Tenconi | +44 114 226 9279 |
| Southampton | University Hospital Southampton NHS Foundation Trust | Mr Alzetani Dr Havelock | +44 23 8077 722 |
| Southampton | Southampton General Hospital | Mr Alzetani | +44 23 8077 722 |
| Staffordshire | Royal Stoke Hospital | Dr Haris ¹ Mr Ghosh ² | ¹ +44 1782 675 748 or ² +44 1782 675 962 |
| West Yorkshire | Nuffield Health, Leeds Hospital (Private) | Mr Papagiannopoulos Mr Milton | +44 113 882 067 |
| Wolverhampton | New Cross Hospital Heart and Lung Centre | Dr Ejiofor ¹ Mr Habib ² | ¹ +44 1902 307 999 ext 4106 or ² +44 1902 694 213 |

Risk Statement: Complications of the Zephyr Endobronchial Valve treatment can include but are not limited to pneumothorax, worsening of COPD symptoms, hemoptysis, pneumonia, dyspnea and, in rare cases, death. International Brief Statement: The Zephyr® Endobronchial Valve is an implantable bronchial valve intended to control airflow in order to improve lung functions in patients with hyperinflation associated with severe emphysema and/or to reduce air leaks. The Zephyr Valve is contraindicated for: Patients for whom bronchoscopic procedures are contraindicated; Evidence of active pulmonary infection; Patients with known allergies to Nitinol (nickel-titanium) or its constituent metals (nickel or titanium); Patients with known allergies to silicone; Patients who have not quit smoking. Use is restricted to a trained physician. Prior to use, please reference the Zephyr Endobronchial System Instructions for more information on indications, contraindications, warnings, all precautions, and adverse events.

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EMEA-EN-869-v1 April 2021 | Pulmonx UK Ltd | Highlands House, Basingstoke Road, Spencers Wood, RG7 1NT Reading, Berkshire