

## Selection Criteria

Our selection criteria for ELVR are guided by data from the literature and particularly from VENT, the largest trial to date on ELVR. Patients who fall outside these criteria can be considered in exceptional circumstances.

## Inclusion criteria

### General:

- Age 40-80 years
- BMI less than 32
- Symptomatic from COPD despite optimal medical therapy
- Able to participate in a pulmonary rehabilitation program
- Not a candidate for lung transplantation

### Lung function:

- FEV1 of 15-45% predicted
- Total lung capacity of >100% predicted
- Residual volume of >150% predicted
- DLCO >20% predicted

### Blood gas (on room air):

- PaO<sub>2</sub> >45mmHg
- PaCO<sub>2</sub> <50mmHg

### Radiological:

- Heterogeneous emphysema on HRCT
- Intact major fissure on at least one side
- Significant differential in upper and lower lobe destruction scores

## Exclusion criteria

- Current smoker
- Alpha-1 antitrypsin deficiency
- Presence of giant bullae in the contra-lateral lung
- Severe pulmonary hypertension
- Unstable cardiac conditions
- Active infection

### Note:

- Current smoking is an absolute contra-indication.
- Use of long-term oxygen therapy is not a contra-indication.