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### Bronchoscopic lung volume reduction

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## **Bronchoscopic lung volume reduction**

A new treatment modality for patients with severe emphysema

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rijksuniversiteit  
groningen

# Bronchoscopic lung volume reduction

A new treatment modality for patients with severe emphysema

## Proefschrift

ter verkrijging van de graad van doctor aan de  
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<b>AE</b>	Adverse event
<b>ATS</b>	American Thoracic Society
<b>BLVR</b>	Bronchoscopic lung volume reduction
<b>CI</b>	Confidence interval
<b>COPD</b>	Chronic obstructive pulmonary disease
<b>CV</b>	Collateral ventilation
<b>DH</b>	Dynamic hyperinflation
<b>DL<sub>co</sub></b>	Carbon monoxide diffusion capacity
<b>EBV</b>	Endobronchial valve
<b>ERS</b>	European Respiratory Society
<b>FEV<sub>1</sub></b>	Forced expiratory volume in 1 second
<b>FVC</b>	Forced vital capacity
<b>HRCT</b>	High resolution computed tomography
<b>HU</b>	Hounsfield units
<b>IC</b>	Inspiratory capacity
<b>LVR</b>	Lung volume reduction
<b>LVRC</b>	Lung volume reduction coil
<b>LVRS</b>	Lung volume reduction surgery
<b>MCID</b>	Minimal clinically important difference
<b>MPT</b>	Metronome paced hyperventilation
<b>PaCO<sub>2</sub></b>	Partial pressure of carbon dioxide
<b>PaO<sub>2</sub></b>	Partial pressure of oxygen
<b>RAW</b>	Airway resistance
<b>RV</b>	Residual volume
<b>SAE</b>	Serious adverse event
<b>SD</b>	Standard deviation
<b>TLC</b>	Total lung capacity
<b>TLVR</b>	Target lobar volume reduction
<b>6MWD</b>	Distance on 6 minute walk test

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<b>SGRQ</b>	Saint George's Respiratory Questionnaire	Scores range from 0 to 100, with higher scores indicating worse quality of life.
<b>CCQ</b>	Clinical COPD questionnaire	Scores range from 0 to 6, with higher scores indicating worse function.
<b>mMRC</b>	modified Medical research council	Scores range from 0 to 4, with higher scores indicating a greater severity of dyspnea.
<b>BMI</b>	Body-mass index	Weight in kilograms divided by the square of the length in meters
<b>BODE</b>	Combination of 4 measures: Body-mass index, FEV <sub>1</sub> % of predicted value, mMRC score and 6MWD	Higher scores indicate higher risk of death.

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