

## Research outputs

### **The Agreement Between Lobar Emphysematous Destruction and Volumetric Air Trapping on CT Scan in Severe COPD Patients**

Hartman, J. E., Bakker, J. T., Roodenburg, S. A., Klooster, K. & Slebos, D.-J., 4-Jan-2025, In: *Lung*. 203, 1, 3 p., 21.

### **Lung tensioning device coil treatment in patients with severe emphysema: a prospective safety and feasibility trial (EFFORT)**

Roodenburg, S. A., Klooster, K., Hartman, J. E., Kontogianni, K., Brock, J. M., Dittrich, A. S., van Dijk, M., Koster, T. D., Herth, F. J. F. & Slebos, D.-J., Jan-2025, In: *Respiration*. 104, 1, p. 58–68 11 p.

### **Automated evaluation of diaphragm configuration based on chest CT in COPD patients**

Bakker, J. T., Hartman, J. E., Klooster, K., Lynch, D. A., van der Molen, M. C., Charbonnier, J. P., Tsiaousis, M., Vliegthart, R. & Slebos, D. J., Dec-2024, In: *European Radiology Experimental*. 8, 11 p., 87.

### **Endobronchial valve treatment improves chest-CT diaphragm configuration in COPD**

Bakker, J. T., Hartman, J. E., Klooster, K., Charbonnier, J. P., Tsiaousis, M., Vliegthart, R. & Slebos, D. J., 1-Nov-2024, In: *Respiratory Medicine*. 234, 3 p., 107856.

### **Comorbidities reduce survival and quality of life in COPD with severe lung hyperinflation**

Ter Haar, E. A. M. D., Slebos, D.-J., Klooster, K., Pouwels, S. D. & Hartman, J. E., Nov-2024, In: *ERJ Open Research*. 10, 6, 10 p., 00268-2024.

### **Reference formulas for chest CT-derived lobar volumes in the lung-healthy general population**

Bakker, J. T., Dudurych, I., Roodenburg, S. A., Vonk, J. M., Klooster, K., de Bruijne, M., van den Berge, M., Slebos, D. J. & Vliegthart, R., 16-Oct-2024, (E-pub ahead of print) In: *European Radiology*.

### **Assessment of hyperinflation: comparison of Global Lung Function Initiative and European Community for Steel and Coal lung volume reference equations**

Roodenburg, S. A., van Dijk, M., Augustijn, S. W. S., Klooster, K., Slebos, D. J. & Hartman, J. E., 1-May-2024, In: *ERJ Open Research*. 10, 3, 8 p., 00900-2023.

### **Lung volume reduction surgery is safe and feasible after initial endobronchial valve treatment for emphysema patients**

Van Dijk, M., Van De Wauwer, C., Koster, T. D., Klooster, K. & Slebos, D. J., May-2024, In: *Interdisciplinary cardiovascular and thoracic surgery*. 38, 5, 7 p., ivae094.

### **Lung transplant airway complications treated with biodegradable airway stents: The Dutch multi-center experience**

van Pel, R., Gan, T., Daniels, J. M. A., Ruigrok, D., Hellemons, M. E., Klooster, K. & Slebos, D.-J., Mar-2024, In: *Clinical Transplantation*. 38, 3, 6 p., e15289.

### **Impact of Endobronchial Valve Treatment on Lung Function Decline**

Hartman, J. E., Klooster, K., Koster, T. D., Carpaij, O. A., van Dijk, M. & Slebos, D.-J., Dec-2023, In: *Respiration*. 102, 12, p. 1003–1006 4 p.

### **Vocal cord paralysis as a rare complication of bronchoscopic lung volume reduction: a case series of five patients**

Benzaquen, J., Klooster, K., Herth, F. J. F., Rubenstein, J., Marquette, C. H., Slebos, D. J. & Boutros, J., 1-Nov-2023, In: *The European respiratory journal*. 62, 5, 4 p., 2301722.

### **A bronchial gene signature specific for severe COPD that is retained in the nose**

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### **HRCT-Approximated Perfusion is Comparable to Nuclear Perfusion Imaging in Severe COPD**

Koster, T. D., Charbonnier, J.-P., Pruijm, J., Gietema, H. A., Posthuma, R., Vanfleteren, L. E. G. W., van Dijk, M., Klooster, K. & Slebos, D.-J., 15-Aug-2023, In: *American Journal of Respiratory and Critical Care Medicine*. 208, 4, p. 495-

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**The impact of emphysema heterogeneity on treatment response after endobronchial valve treatment**

Roodenburg, S. A., Klooster, K., Slebos, D.-J. & Hartman, J. E., 1-Jul-2023, In: ERJ Open Research. 9, 4, 10 p., 00279-2023.

**Response to endobronchial valve treatment: it's all about the target lobe**

Hartman, J. E., Roodenburg, S. A., van Dijk, M., Koster, T. D., Klooster, K. & Slebos, D.-J., Jul-2023, In: ERJ Open Research. 9, 4, 9 p., 00155-2023.

**Endobronchial Valve Treatment Does Not Cause Significant Nickel Deposition in Lung Tissue**

Roodenburg, S. A., Pouwels, S. D., Klooster, K., Touw, D. J. & Slebos, D.-J., Jun-2023, In: Respiration. 102, 6, p. 454-457 4 p.

**Bronchoscopic Lung Volume Reduction with Endobronchial Valves Exclusively of the Middle Lobe in Patients with Emphysema**

Klooster, K., Van Dijk, M., Koster, T. D., Hartman, J. E. & Slebos, D. J., 21-Apr-2023, In: Journal of Bronchology and Interventional Pulmonology. 30, 2, p. 192-195 4 p.

**Improved exercise capacity results in a survival benefit after endobronchial valve treatment**

Roodenburg, S. A., Slebos, D. J., van Dijk, M., Koster, T. D., Klooster, K. & Hartman, J. E., Apr-2023, In: Respiratory Medicine. 210, 7 p., 107175.

**Prevalence and Impact of COVID-19 among Severe COPD Patients post Bronchoscopic Lung Volume Reduction Treatment with Endobronchial Valves**

Klooster, K., Hartman, J. E., Koster, T. D., Slebos, D.-J. & Van Dijk, M., Mar-2023, In: Respiration. 102, 3, p. 203-206 4 p.

**Effect of Chest Computed Tomography Kernel Use on Emphysema Score in Severe Chronic Obstructive Pulmonary Disease Patients Evaluated for Lung Volume Reduction**

Bakker, J. T., Klooster, K., Wisselink, H. J., Pelgrim, G. J., Vliegenthart, R. & Slebos, D.-J., Feb-2023, In: Respiration. 102, 2, p. 164-171 8 p.

**Bronchoscopic Lung Volume Reduction in Patients with Emphysema due to Alpha-1 Antitrypsin Deficiency**

Everaerts, S., Hartman, J. E., Van Dijk, M., Koster, T. D., Slebos, D. J. & Klooster, K., 2023, In: Respiration. 102, p. 134-142 9 p.

**A multicenter, prospective, single-arm clinical investigation of a modified staged treatment algorithm using the AeriSeal system: The STAGE trial**

Koster, T. D., Eberhardt, R., Huebner, R. H., Valipour, A., Herth, F., Klooster, K., Shargill, N. S., Radhakrishnan, S. & Slebos, D. J., Nov-2022, In: Respiratory Medicine. 203, 3 p., 106989.

**Long-term follow-up after bronchoscopic lung volume reduction valve treatment for emphysema**

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**Bronchoscopic Lung Volume Reduction Coil Treatment for Severe Emphysema: A Systematic Review and Meta-Analysis of Individual Participant Data**

Roodenburg, S. A., Hartman, J. E., Deslée, G., Herth, F. J. F., Klooster, K., Scirba, F. C., Shah, P. L., Valipour, A., Zoumot, Z. & Slebos, D.-J., Jul-2022, In: Respiration. 101, 7, p. 697-705 9 p.

**Biodegradable stent placement for airway kinking after bronchoscopic lung volume reduction treatment**

Koster, T. D., Klooster, K., van Dijk, M. & Slebos, D.-J., May-2022, In: Annals of thoracic surgery. 113, 5, p. e375-e377 3 p.

### **Survival in COPD patients treated with bronchoscopic lung volume reduction**

Hartman, J. E., Welling, J. B. A., Klooster, K., Carpaj, O. A., Augustijn, S. W. S. & Slebos, D. J., May-2022, In: Respiratory Medicine. 196, 5 p., 106825.

### **Evaluation of spirometry-gated computed tomography to measure lung volumes in emphysema patients**

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### **Position statement on endoscopic lung volume reduction in South Africa: 2022 update**

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### **Expert Statement: Pneumothorax Associated with One-Way Valve Therapy for Emphysema: 2020 Update**

van Dijk, M., Sue, R., Criner, G. J., Gompelmann, D., Herth, F. J. F., Hogarth, D. K., Klooster, K., Kocks, J. W. H., de Oliveira, H. G., Shah, P. L., Valipour, A. & Slebos, D.-J., Oct-2021, In: Respiration. 100, 10, p. 969-978 10 p.

### **Improved algorithm to measure collateral ventilation with chartis for bronchoscopic lung volume reduction procedures**

Koster, T. D., Klooster, K., McNamara, H., Shargill, N., Radhakrishnan, S., Olivera, R. & Slebos, D., Oct-2021, In: Chest. 160, 4, p. 1876A-1876A 1 p.

### **Measuring pulmonary function in COPD using quantitative chest computed tomography analysis**

Bakker, J. T., Klooster, K., Vliegthart, R. & Slebos, D.-J., 30-Sept-2021, In: European Respiratory Review. 30, 161, 14 p., 210031.

### **Endobronchial Coil System versus Standard-of-Care Medical Management in the Treatment of Subjects with Severe Emphysema**

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### **An adjusted and time-saving method to measure collateral ventilation with Chartis**

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### **Endobronchial Valves for the Treatment of Advanced Emphysema**

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### **Identifying Responders and Exploring Mechanisms of Action of the Endobronchial Coil Treatment for Emphysema**

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### **Safety and effectiveness of bronchial thermoplasty after 10 years in patients with persistent asthma (BT10+): a follow-up of three randomised controlled trials**

BT10 Study Grp, Chaudhuri, R., Rubin, A., Sumino, K., e Silva, J. R. L., Niven, R., Siddiqui, S., Klooster, K., McEvoy, C., Shah, P. L., Simoff, M., Khatri, S., Barbers, R., Grubb, G. M., McMullen, E. A., Olson, J. L. & Lavolette, M., May-2021, In: The Lancet. Respiratory Medicine. 9, 5, p. 457-466 10 p.

### **Revision Bronchoscopy After Endobronchial Valve Treatment for Emphysema: Indications, Findings and Outcomes**

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### **Comparison of Multiple Diagnostic Tests to Measure Dynamic Hyperinflation in Patients with Severe Emphysema Treated with Endobronchial Coils**

van Dijk, M., Hartman, J. E., Augustijn, S. W. S., Ten Hacken, N. H. T., Klooster, K. & Slebos, D.-J., Apr-2021, In: Lung. 199, 2, p. 195-198 4 p.

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**Response to Endobronchial Valve Treatment in Emphysema Patients With Moderate Hyperinflation**

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**CT-Derived Pulmonary Artery Diameters to Preselect for Echocardiography in COPD Patients Eligible for Bronchoscopic Treatments**

van der Molen, M. C., Hartman, J. E., Klooster, K., Kerstjens, H. A. M., van Melle, J., Willems, T. P. & Slebos, D.-J., Jan-2021, In: *Respiration*. 10, p. 1-7 7 p.

**Patient Satisfaction and Attainment of Patient-specific Goals after Endobronchial Valve Treatment**

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**The effects of lung volume reduction treatment on diffusing capacity and gas exchange**

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**A prospective safety and feasibility study of metered cryospray for patients with chronic bronchitis in COPD**

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**Endobronchial valve therapy for severe emphysema: an overview of valve-related complications and its management**

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**Minimal important difference of change in patient-specific goals in severe emphysema patients**

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**A modified staged treatment algorithm using the AeriSeal System**

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**CT-approximated perfusion is comparable to nuclear perfusion imaging**

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**Endobronchial valves for emphysema are effective in patients with moderate hyperinflation in the presence of a clear target lobe**

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**Effect of Zephyr Endobronchial Valves on Dyspnea, Activity Levels, and Quality of Life at One Year Results from a Randomized Clinical Trial**

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**Patient Selection for Bronchoscopic Lung Volume Reduction**

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**Temporary Right Middle Lobe Occlusion with a Blocking Device to Enable Collateral Ventilation Measurement of the Right Major Fissure**

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**Collateral Ventilation Measurement Using Chartis Procedural Sedation vs General Anesthesia: procedural sedation versus general anesthesia**

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**Echocardiography in patients evaluated for bronchoscopic lung volume reduction: is it useful and is there a CT-derived alternative?**

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**Feasibility of endoscopic oxygen uptake measurement for target lobe selection in endobronchial valve treatment**

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**First in human experience of placement of a new size endobronchial valve 5.5LP**

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**Impact of endobronchial valves on patient reported outcomes in severe emphysema**

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**Safety and Feasibility of Metered CryoSpray (MCS) for Patients with Chronic Bronchitis in COPD: 9 Month Results**

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**Airway smooth muscle reduction after bronchial thermoplasty in severe asthma correlates with FEV1**

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**CT-derived muscle remodelling after bronchoscopic lung volume reduction in advanced emphysema**

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12/12/2021

1 item of Media coverage

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