

Publications

LBI members
2003-2022

Original Articles 2022

1. ***Restricted spirometry and cardiometabolic comorbidities: results from the international population based BOLD study.***
Kulbacka-Ortiz K, Triest FJJ, Franssen FME, Wouters EFM, Studnicka M, Vollmer WM, Lamprecht B, Burney PGJ, Amaral AFS, Vanfleteren LEGW. *Respir Res.* 2022 Feb 17;23(1):34. IF: 4.916.
2. ***Multidimensional outcome assessment of pulmonary rehabilitation in traits-based clusters of COPD patients.***
Augustin IML, Franssen FME, Houben-Wilke S, Janssen DJA, Gaffron S, Pennings HJ, Smeenk FWJM, Pieters WR, Hoogerwerf A, Michels AJ, van Merode F, Wouters EFM, Spruit MA. *PLoS One.* 2022 Feb 17;17(2):e0263657. IF: 3.24.

2021

3. ***Distribution of chronic cough phenotypes in the general population: A cross-sectional analysis of the LEAD cohort in Austria.***
Abozid H, Baxter CA, Hartl S, Braun E, Salomonsson S, Breyer-Kohansal R, Breyer MK, Wouters EFM, Agusti A, Burghuber OC. *Resp Med.* 2021 Dec 29. IF: 3.095.
4. ***Using Body Composition Groups to Identify Children and Adolescents at Risk of Dyslipidemia.***
Ofenheimer A, Breyer-Kohansal R, Hartl S, Burghuber OC, Krach F, Franssen FME, Wouters EFM, Breyer MK. *Children (Basel).* 2021 Nov 13;8(11):1047. IF: 2.863.
5. ***Implementation of Bronchoscopic Lung Volume Reduction Using One-Way Endobronchial Valves: A Retrospective Single-Centre Cohort Study.***
Posthuma R, Vaes AW, Walraven KHM, Sardari Nia P, Schreiber JU, Gietema HA, Wesseling G, Wouters EFM, Vanfleteren LEGW. *Respiration.* 2021 Dec 22:1-9. IF: 2.67.
6. ***Soluble ST2 and All-Cause Mortality in Patients with Chronic Obstructive Pulmonary Disease-A 10-Year Cohort Study***

Urban MH, Stojkovic S, Demyanets S, Hengstenberg C, Valipour A, Wojta J, Burghuber OC. *J Clin Med.* 2021;11(1):56. IF: 2.659

7. ***Redox Dysregulation in Aging and COPD: Role of NOX Enzymes and Implications for Antioxidant Strategies.***
Schiffers C, Reynaert NL, Wouters EFM, van der Vliet A. *Antioxidants (Basel).* 2021 Nov 11;10(11):1799. IF: 6.313.
8. ***Glutathione-S-transferase P promotes glycolysis in asthma in association with oxidation of pyruvate kinase M2.***
van de Wetering C, Manuel AM, Sharafi M, Aboushousha R, Qian X, Erickson C, MacPherson M, Chan G, Adcock IM, ZounematKermani N, Schleich F, Louis R, Bohrnsen E, D'Alessandro A, Wouters EF, Reynaert NL, Li J, Wolf CR, Henderson CJ, Lundblad LKA, Poynter ME, Dixon AE, Irvin CG, van der Vliet A, van der Velden JL, Janssen-Heininger YM. *Redox Biol.* 2021 Oct 3;47:102160. IF: 11.799.
9. ***Changes in lung function in European adults born between 1884 and 1996 and implications for the diagnosis of lung disease: a cross-sectional analysis of ten population-based studies.***
Allinson JP, Afzal S, Çolak Y, Jarvis D, Backman H, van den Berge M, Boezen HM, Breyer MK, Breyer-Kohansal R, Brusselle G, Burghuber OC, Faner R, Hartl S, Lahousse L, Langhammer A, Lundbäck B, Nwaru BI, Rönmark E, Vikjord SAA, Vonk JM, Wijnant SRA, Lange P, Nordestgaard BG, Olvera N, Agusti A, Donaldson GC, Wedzicha JA, Vestbo J, Vanfleteren LEGW; CADSET Clinical Research Collaboration. *Lancet Respir Med.* 2021 Oct 4:S2213-2600(21)00313-1. IF: 25.094.
10. ***Spirometric phenotypes from early childhood to young adulthood – A CADSET (Chronic Airway Disease Early Stratification) study.***
Melén E, Hallberg J, Backman H, Baraldi E, Breyer-Kohansal R, Casas M, Chung F, Duijts L, Granell R, Sigsgaard T, Van Der Berge M, Vonk J, Heuvelin E, Faner R, Donaldson G, Wedzicha J, Agusti A, Maitland Van Der Zee AH. *Eur Respir J.* 2020 56: 4647. IF: 12.339.
11. ***Blood eosinophil counts in the general population and airways disease: a comprehensive review and meta-analysis.***
Benson VS, Hartl S, Barnes N, Galwey N, Van Dyke MK, Kwon N. *Eur Respir J.* 2021 Jun 25:2004590. IF: 12.339.
12. ***Glutathione S-transferases and their implications in the lung diseases asthma and chronic obstructive pulmonary disease: Early life susceptibility?***
Van de Wetering C, Elko E, Berg M, Schiffers CHJ, Stylianidis V, van den Berge M, Nawijn MC, Wouters EFM, Janssen-Heininger YMW, Reynaert NL. *Redox Biol.* 2021;43:101995. IF: 9.986.
13. ***Low SARS-CoV-2 seroprevalence in the Austrian capital after an early governmental lockdown.***
Breyer MK, Breyer-Kohansal R, Hartl S, Kundi M, Weseslindtner L, Stiasny K, Puchhammer-Stöckl E, Schrott A, Födinger M, Binder M, Fiedler M, Wouters EFM, Burghuber OC. *Sci Rep* 11, 10158 (2021). IF: 3.998.

14. ***Effects of Dynamic Hyperinflation on Left Ventricular Diastolic Function in Healthy Subjects - A Randomized Controlled Crossover Trial.***
Urban MH, Mayr AK, Schmidt I, Grasmuk-Siegl E, Burghuber OC, Funk GC. *Front Med (Lausanne)*. 2021 May 4;8:659108. IF: 3.74.
15. ***Downregulation of DUOX1 function contributes to aging-related impairment of innate airway injury responses and accelerated senile emphysema.***
Schiffers C, Lundblad LKA, Hristova M, Habibovic A, Dustin CM, Daphtary N, Aliyeva M, Seward DJ, Janssen-Heininger YMW, Wouters EFM, Reynaert NL, van der Vliet A. *Am J Physiol Lung Cell Mol Physiol*. 2021 May 5. IF: 4.418.
16. ***Comorbidity clusters in patients with moderate-to-severe OSA.***
Testelmans D, Spruit MA, Vrijsen B, Sastry M, Belge C, Kalkanis A, Gaffron S, Wouters EFM, Buyse B. *Sleep Breath*. 2021 May 3. IF: 2.162.
17. ***A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests.***
Klausberger M, Duerkop M, Haslacher H, Wozniak-Knopp G, Cserjan-Puschmann M, Perkmann T, Lingg N, Aguilar PP, Laurent E, De Vos J, Hofner M, Holzer B, Stadler M, Manhart G, Vierlinger K, Egger M, Milchram L, Gludovacz E, Marx N, Köppl C, Tauer C, Beck J, Maresch D, Grünwald-Gruber C, Strobl F, Satzer P, Stadlmayr G, Vavra U, Huber J, Wahrmann M, Eskandary F, Breyer MK, Sieghart D, Quehenberger P, Leitner G, Strassl R, Egger AE, Irsara C, Griesmacher A, Hoermann G, Weiss G, Bellmann-Weiler R, Loeffler-Ragg J, Borth N, Strasser R, Jungbauer A, Hahn R, Mairhofer J, Hartmann B, Binder NB, Striedner G, Mach L, Weinhäusel A, Dieplinger B, Grebien F, Gerner W, Binder CJ, Grabherr R. *EBioMedicine*. 2021 Apr 24;67:103348. IF: 5.736.
18. ***The prevalence and related factors of fatigue in patients with COPD: a systematic review.***
Ebadi Z, Goërtz YMJ, Van Herck M, Janssen DJA, Spruit MA, Burtin C, Thong MSY, Muris J, Otker J, Looijmans M, Vlasblom C, Bastiaansen J, Prins J, Wouters EFM, Vercoulen JH, Peters JB. *Eur Respir Rev*. 2021 Apr 13;30(160):200298. IF: 6.22.
19. ***Glutathionylation chemistry promotes interleukin 1 beta-mediated glycolytic reprogramming and pro-inflammatory signaling in lung epithelial cells.***
Aboushousha R, Elko E, Chia SB, Manuel AM, van de Wetering C, van der Velden J, MacPherson M, Erickson C, Reisz JA, D'Alessandro A, Wouters EFM, Reynaert NL, Lam YW, Anathy V, van der Vliet A, Seward DJ, Janssen-Heininger YMW. *FASEB J*. 2021 May;35(5):e21525. IF: 4.966.
20. ***Health Literacy Among Patients With Chronic Lung Disease Entering Pulmonary Rehabilitation and Their Resident Loved Ones.***
Coenjaerds MMJ, Spruit MA, Cleutjens FAHM, Ponds RWHM, Franssen FME, Wouters EFM, Janssen DJA. *J Cardiopulm Rehabil Prev*. 2021 Mar 26. IF: 1.383.
21. ***Healthcare and Societal Costs in Patients with COPD and Breathlessness after Completion of a Comprehensive Rehabilitation Program.***

Verberkt CA, van den Beuken-van Everdingen MHJ, Dirksen CD, Schols JMGA, Vanfleteren LEGW, Franssen FME, Groenen MTJ, Wouters EFM, Janssen DJA. COPD. 2021 Mar 10:1-24. IF: 2.772.

22. ***Frequency and functional translation of low muscle mass in overweight and obese patients with COPD.***
Machado FVC, Spruit MA, Groenen MTJ, Houben-Wilke S, van Melick PP, Hernandez NA, Schols AMWJ, Pitta F, Wouters EFM, Franssen FME. Respir Res. 2021 Mar 25;22(1):93. IF: 4.065.
23. ***Detection of EGFR Activating and Resistance Mutations by Droplet Digital PCR in Sputum of EGFR-Mutated NSCLC Patients.***
Hackner K, Buder A, Hochmair MJ, Strieder M, Grech C, Fabikan H, Burghuber OC, Errhalt P, Filipits M. Clin Med Insights Oncol. 2021 Feb 17;15:1179554921993072. IF: 1.077.
24. ***Cost-effectiveness of sustained-release morphine for refractory breathlessness in COPD: A randomized clinical trial.***
Verberkt CA, van den Beuken-van Everdingen MHJ, Dirksen CD, Schols JMGA, Wouters EFM, Janssen DJA. Respir Med. 2021;179:106330. IF: 3.095.
25. ***Downregulation of epithelial DUOX1 in chronic obstructive pulmonary disease. JCI Insight.***
Schiffers C, van de Wetering C, Bauer RA, Habibovic A, Hristova M, Dustin CM, Lambrichts S, Vacek PM, Wouters EF, Reynaert NL, van der Vliet A. JCI Insight. 2021 Jan 25;6(2):e142189. IF: 6.205.

2020

26. ***Markers of disease activity in COPD: an 8-year mortality study in the ECLIPSE cohort.***
Celli B, Locantore N, Yates JC, Bakke P, Calverley PMA, Crim C, Coxson HO, Lomas DA, MacNee W, Miller BE, Mullerova H, Rennard SI, Silverman EK, Wouters E, Tal-Singer R, Agusti A, Vestbo J. Eur Respir J. 2020 Dec 10:2001339. IF: 12.339.
27. ***Physiological Changes Differ between Responders and Nonresponders to Pulmonary Rehabilitation in COPD.***
Buekers J, De Boever P, Theunis J, Houben-Wilke S, Vaes AW, Franssen FME, Wouters EFM, Simons S, Aerts JM, Spruit MA. Med Sci Sports Exerc. 2020 Dec 23; Publish Ahead of Print. IF: 4.053.
28. ***Homeopathic Treatment as an Add-On Therapy May Improve Quality of Life and Prolong Survival in Patients with Non-Small Cell Lung Cancer: A Prospective, Randomized, Placebo-Controlled, Double-Blind, Three-Arm, Multicenter Study.***
Frass M, Lechleitner P, Gründling C, Pirker C, Grasmuk-Siegl E, Domayer J, Hochmair M, Gaertner K, Duscheck C, Muchitsch I, Marosi C, Schumacher M, Zöchbauer-Müller S, Manchanda RK, Schrott A, Burghuber O. Oncologist. Oncologist. 2020;10.1002/onco.13548. IF: 5.025.

29. ***Incorporating Comprehensive Assessment Parameters to Better Characterize and Plan Rehabilitation for Persons with Chronic Obstructive Pulmonary Disease.***
Augustin IML, Spruit MA, Franssen FME, Gaffron S, van Merode F, Wouters EFM. J Am Med Dir Assoc. 2020;21(12):1986-1991.e3. IF: 4.367.
30. ***Induction of dynamic hyperinflation by expiratory resistance breathing in healthy subjects - an efficacy and safety study.***
Urban MH, Mayr AK, Schmidt I, Margulies E, Grasmuk-Siegl E, Burghuber OC, Funk GC. Exp Physiol. 2021 Feb;106(2):532-543. Epub 2020 Nov 23. IF:2.431.
31. ***Effect of Sustained-Release Morphine for Refractory Breathlessness in Chronic Obstructive Pulmonary Disease on Health Status: A Randomized Clinical Trial.***
Verberkt CA, van den Beuken-van Everdingen MHJ, Schols JMGA, Hameleers N, Wouters EFM, Janssen DJA. JAMA Intern Med. 2020 Oct 1;180(10):1306-1314. IF: 18.652.
32. ***Results of the Austrian National Lung Cancer Audit.***
Burghuber, OC, Kirchbacher K, Mohn-Staudner A, Hochmair M, Breyer M.-K, Studnicka M, Mueller M. R, Feurstein P, Schrott A, Lamprecht B, Eckmayr J, Renner F, Bolitschek J, Pohl W, Schenk P, Errhalt P, Cerkl P, Baumgartner B, Kneussl M, Hartl S. Clin Med Insights Oncol. 2020 Sep 10;14:1179554920950548. IF: 1.077.
33. ***Reduced vitamin K status as a potentially modifiable risk factor of severe COVID-19.***
Dofferhoff ASM, Piscaer I, Schurgers LJ, Visser MPJ, van den Ouweland JMW, de Jong PA, Gosens R, Hackeng TM, van Daal H, Lux P, Maassen C, Karssemeijer EGA, Vermeer C, Wouters EFM, Kistemaker LEM, Walk J, Janssen R. Clin Infect Dis. 2020;ciaa1258. IF: 8.313.
34. ***Quality of Life and Limitations in Daily Life of Stable COPD Outpatients in a Real-World Setting in Austria - Results from the CLARA Project.***
Horner A, Burghuber OC, Hartl S, Studnicka M, Merkle M, Olschewski H, Kaiser B, Wallner EM, Lamprecht B. Int J Chron Obstruct Pulmon Dis. 2020 Jul 12;15:1655-1663. IF: 3.157.
35. ***Effects of roflumilast on arterial stiffness in COPD (ELASTIC): A randomized trial.***
Urban MH, Kreibich N, Gleiss A, Funk GC, Hartl S, Burghuber OC. Respirology. 2020;10.1111/resp.13914. IF: 4.880.
36. ***Skin autofluorescence: early sign of lung function deterioration?***
Wouters EFM, Reynaert NL. ERJ Open Res. 2020;6(2):00368-2020. Published 2020 Jul 20. IF: 3.350.
37. ***Side by side comparison of three fully automated SARS-CoV-2 antibody assays with a focus on specificity.***
Perkmann T, Perkmann-Nagele N, Breyer MK, Breyer-Kohansal R, Burghuber OC, Hartl S, Aletaha D, Sieghart D, Quehenberger P, Marculescu R, Mucher P, Strassl R, Wagner OF, Binder CJ, Haslacher H. Clin Chem. 2020 Aug 10:hvaa198. IF: 7.292.

38. **Factors Associated with Low Lung Function in Different Age Bins in the General Population.**
Breyer-Kohansal R, Faner R, Breyer MK, Ofenheimer A, Schrott A, Studnicka M, Wouters EFM, Burghuber OC, Hartl S, Agusti A. *Am J Respir Crit Care Med* 2020;202(2):292-296. IF: 17.452.
39. **Atrial fibrillation: a risk factor for unfavourable outcome in COVID-19? A case report.**
Schnaubelt S, Breyer MK, Siller-Matula J, Domanovits H. *Eur Heart J Case Rep.* 2020 Jun 24;4(F11):1-6. IF: 24.889.
40. **Reference charts for body composition parameters by dual-energy X-ray absorptiometry in European children and adolescents aged 6 to 18 years-Results from the Austrian LEAD (Lung, hEart, sociAl, boDy) cohort.**
Ofenheimer A, Breyer-Kohansal R, Hartl S, Burghuber OC, Krach F, Schrott A, Franssen FME, Wouters EFM, Breyer MK. *Pediatr Obes.* 2021;16(1):e12695. IF: 3.429.
41. **Marked differences in prediabetes- and diabetes-associated comorbidities between men and women-Epidemiological results from a general population-based cohort aged 6-80 years -The LEAD (Lung, hEart, sociAl, boDy) study.**
Breyer MK, Ofenheimer A, Altziebler J, Hartl S, Burghuber OC, Studnicka M, Purin D, Heinzle C, Drexel H, Franssen FME, Wouters EFM, Harreiter J, Kautzky-Willer A, Breyer-Kohansal R. *Eur J Clin Invest.* 2020;50(3):e13207. IF: 3.481.
42. **Blood eosinophil count in the general population: typical values and potential confounders.**
Hartl S, Breyer MK, Burghuber OC, Ofenheimer A, Schrott A, Urban MH, Agusti A, Studnicka M, Wouters EFM, Breyer-Kohansal R. *Eur Respir J.* 2020;1901874. IF: 12.339.
43. **Reference values of body composition parameters and visceral adipose tissue (VAT) by DXA in adults aged 18-81 years-results from the LEAD cohort.**
Ofenheimer A, Breyer-Kohansal R, Hartl S, Burghuber OC, Krach F, Schrott A, Wouters EFM, Franssen FME, Breyer MK. *Eur J Clin Nutr* 2020;i. IF: 3.291.

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44. **The European COPD audit: Adherence to guidelines, readmission risk and hospital care for acute exacerbations in Austria.**
Breyer-Kohansal R, Hartl S, Breyer MK, Schrott A, Studnicka M, Neunhäuserer D, Fülöp G, Burghuber OC. *Wien Klin Wochenschr* 2019;131(5–6):97–103. IF: 1.323.
45. **The LEAD (Lung, Heart, Social, Body) Study: Objectives, Methodology, and External Validity of the Population-Based Cohort Study.**
Breyer-Kohansal R, Hartl S, Burghuber OC, Urban M, Schrott A, Agusti A, Sigsgaard T, Vogelmeier C, Wouters E, Studnicka M, Breyer MK. *J Epidemiol* 2019;29(8):315–24. IF: 7.707.

46. ***EGFR Mutations in Cell-free Plasma DNA from Patients with Advanced Lung Adenocarcinoma: Improved Detection by Droplet Digital PCR.***
Buder A, Setinek U, Hochmair MJ, Schwab S, Kirchbacher K, Keck A, Burghuber OC, Pirker R, Filipits M. *Target Oncol* 2019;14(2):197–203. IF: 4.036.
47. ***Impact of afatinib dose modification on safety and effectiveness in patients with EGFR mutation-positive advanced NSCLC: Results from a global real-world study (RealGiDo).***
Halmos B, Tan E-H, Soo RA, et al. *Lung Cancer* 2019;127:103–11. IF: 4.702.
48. **Chronic Airway Diseases Early Stratification (CADSET): a new ERS Clinical Research Collaboration.**
Agusti A, Faner R, Donaldson G, Heuvelin E, Breyer-Kohansal R, Melén E, Maitland-van der Zee AH, Vestbo J, Allinson JP, Vanfleteren LEGW, van den Berge M, Adcock IM, Lahousse L, Brusselle G, Wedzicha JA; on behalf of the CADSET Clinical Research Collaboration; Current members of the CADSET Clinical Research Collaboration. *Eur Respir J.* 2019. IF: 12.339.
49. ***Liquid-Biopsy-Based Identification of EGFR T790M Mutation-Mediated Resistance to Afatinib Treatment in Patients with Advanced EGFR Mutation-Positive NSCLC, and Subsequent Response to Osimertinib.***
Hochmair MJ, Buder A, Schwab S, et al. *Target Oncol* 2019;14(1):75–83. IF: 4.036.

2018

50. ***Immune cell landscape in therapy-naïve squamous cell and adenocarcinomas of the lung.*** Brcic L, Stanzer S, Krenbek D, et al. *Virchows Arch* 2018;472(4):589–98.
51. ***Cell-Free Plasma DNA-Guided Treatment With Osimertinib in Patients With Advanced EGFR-Mutated NSCLC.***
Buder A, Hochmair MJ, Schwab S, et al. *J Thorac Oncol* 2018;13(6):821–30.
52. ***Brigatinib versus crizotinib in ALK-positive non-small-cell lung cancer.***
Camidge DR, Kim HR, Ahn MJ, et al. *N Engl J Med* 2018;379(21):2027–39.
53. ***Fatale immunmedierte organisierende Pneumonie unter Pembrolizumab - Therapie eines pulmonalen Adenokarzinoms. RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgeb Verfahren.***
Gasser S, Krenbek D, Hochmair M. 2018;190(12):1161–3.
54. ***Bronchoscopic Thermal Vapor Ablation: Best Practice Recommendations from an Expert Panel on Endoscopic Lung Volume Reduction.***
Gompelmann D, Shah PL, Valipour A, Herth FJF. *Respiration* 2018;95(6):1–9.
55. ***Medical Treatment Options for Patients with Epidermal Growth Factor Receptor Mutation-Positive Non-Small Cell Lung Cancer Suffering from Brain Metastases and/or Leptomeningeal Disease.***

- Hochmair M. *Target Oncol* 2018;13(3):269–85.
56. ***Sequential treatment with afatinib and osimertinib in patients with EGFR mutation-positive non-small-cell lung cancer: an observational study***
Hochmair MJ, Morabito A, Hao D, et al. *Futur Oncol* 2018;14(27):2861–74.
57. ***Correction to: Medical Treatment Options for Patients with Epidermal Growth Factor Receptor Mutation-Positive Non-Small Cell Lung Cancer Suffering from Brain Metastases and/or Leptomeningeal Disease.***
Hochmair MJ. *Target Oncol* 2018;13(5):667–667.
58. ***First-line atezolizumab plus chemotherapy in extensive-stage small-cell lung cancer.***
Horn L, Mansfield AS, Szczesna A, et al. *N Engl J Med* 2018;379(23):2220–9.
59. ***Phenotypes of COPD in an Austrian population: National data from the POPE study.***
Reiger G, Zwick R, Lamprecht B, Kähler C, Burghuber OC, Valipour A. *Wien Klin Wochenschr* 2018;130(11–12):382–9.
60. ***Valve therapy in patients with emphysematous type of chronic obstructive pulmonary disease (COPD): from randomized trials to patient selection in clinical practice.***
Valipour A. *J Thorac Dis* 2018;10(S23):S2780–96.
61. ***Long-term safety of bilateral targeted lung denervation in patients with COPD.***
Valipour A, Asadi S, Pison C, et al. *Int J Chron Obstruct Pulmon Dis* 2018;Volume 13:2163–72.

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62. Beeh KM, Burgel P-R, Franssen FME, et al. *How Do Dual Long-Acting Bronchodilators Prevent Exacerbations of Chronic Obstructive Pulmonary Disease?* *Am J Respir Crit Care Med* 2017;196(2):139–49.
63. Buess M, Schilter D, Schneider T, et al. *Treatment of COPD Exacerbation in Switzerland: Results and Recommendations of the European COPD Audit.* *Respiration* 2017;94(4):355–65.
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65. Hochmair MJ, Schwab S, Burghuber OC, Krenbek D, Prosch H. *Symptomatic pseudo-progression followed by significant treatment response in two lung cancer patients treated with immunotherapy.* *Lung Cancer* 2017;113:4–6.
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67. Lopez-Campos JL, Castro-Acosta A, Pozo-Rodriguez F, Hartl S, Roberts CM. *Accuracy of COPD Diagnosis During an Admission: The European Perspective*. Chest 2017;151(6):1396–7.
68. Slebos D-J, Shah PL, Herth FJF, Valipour A. *Endobronchial Valves for Endoscopic Lung Volume Reduction: Best Practice Recommendations from Expert Panel on Endoscopic Lung Volume Reduction*. Respiration 2017;93(2):138–50.
69. Tudoric N, Koblizek V, Miravitlles M, et al. *GOLD 2017 on the way to a phenotypic approach? Analysis from the Phenotypes of COPD in Central and Eastern Europe (POPE) Cohort*. Eur Respir J 2017;49(4):1602518.
70. Urban M, Eickhoff P, Funk G-C, Burghuber OC, Wolzt M, Valipour A. *Increased brachial intima-media thickness is associated with circulating levels of asymmetric dimethylarginine in patients with COPD*. Int J Chron Obstruct Pulmon Dis 2017;12:169–76.

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71. Gompelmann D, Eberhardt R, Schuhmann M, et al. *Lung Volume Reduction with Vapor Ablation in the Presence of Incomplete Fissures: 12-Month Results from the STEP-UP Randomized Controlled Study*. Respiration 2016;92(6):397–403.
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73. Hartl S, Lopez-Campos JL, Pozo-Rodriguez F, et al. *Risk of death and readmission of hospital-admitted COPD exacerbations: European COPD Audit*. Eur Respir J 2016;47(1):113–21.
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2015

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