



## ERS literature update June-July 2018

Composed for group 1.02 by Anouk W. Vaes, PhD and Sarah Houben-Wilke, PhD of the department of Development and Education in CIRO, Horn, the Netherlands

### PULMONARY REHABILITATION

#### **Effectiveness of pulmonary rehabilitation in patients with chronic obstructive pulmonary disease with different degrees of static lung hyperinflation.**

Vanfleteren MJEGW, Koopman M, Spruit MA, Pennings HJ, Smeenk F, Pieters W, van den Bergh JJAM, Michels AJ, Wouters EFM, Groenen MTJ, Franssen FME, Vanfleteren LEGW.

Arch Phys Med Rehabil. 2018 Jun 12. pii: S0003-9993(18)30358-7. doi:

10.1016/j.apmr.2018.05.011. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29906421>

#### **Role of rehabilitation in the elderly after an acute event: insights from a real-life prospective study in the sub-acute care setting.**

Galizia G, Balestrieri G, De Maria B, La Storia C, Monelli M, Salvaderi S, Romanelli G, Dalla Vecchia LA.

Eur J Phys Rehabil Med. 2018 Jun 11. doi: 10.23736/S1973-9087.18.05221-8. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29898588>

#### **Randomised controlled trial of adjunctive inspiratory muscle training for patients with COPD.**

Charususin N, Gosselink R, Decramer M, Demeyer H, McConnell A, Saey D, Maltais F, Derom E, Vermeersch S, Heijdra YF, van Helvoort H, Garms L, Schneeberger T, Kenn K, Gloeckl R, Langer D.

Thorax. 2018 Jun 18. pii: thoraxjnl-2017-211417. doi: 10.1136/thoraxjnl-2017-211417. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29914940>

#### **Skeletal muscle dysfunction in COPD: relevance of nutritional support and pulmonary rehabilitation.**

Barreiro E, Jaitovich A.

J Thorac Dis. 2018 May;10(Suppl 12):S1330-S1331. doi: 10.21037/jtd.2018.05.114.

<https://www.ncbi.nlm.nih.gov/pubmed/29928516>

#### **Pulmonary rehabilitation in patients with an acute exacerbation of chronic obstructive pulmonary disease.**

Jones SE, Barker RE, Nolan CM, Patel S, Maddocks M, Man WDC.  
J Thorac Dis. 2018 May;10(Suppl 12):S1390-S1399. doi: 10.21037/jtd.2018.03.18.  
<https://www.ncbi.nlm.nih.gov/pubmed/29928521>

**Relevance of nutritional support and early rehabilitation in hospitalized patients with COPD.**

Gayan-Ramirez G.  
J Thorac Dis. 2018 May;10(Suppl 12):S1400-S1414. doi: 10.21037/jtd.2018.03.167.  
<https://www.ncbi.nlm.nih.gov/pubmed/29928522>

**Chronic Obstructive Pulmonary Disease Education in Pulmonary Rehabilitation. An Official American Thoracic Society/Thoracic Society of Australia and New Zealand/Canadian Thoracic Society/British Thoracic Society Workshop Report.**

Blackstock FC, Lareau SC, Nici L, ZuWallack R, Bourbeau J, Buckley M, Durning SJ, Effing TW, Egbert E, Goldstein RS, Kelly W, Lee A, Meek PM, Singh S; American Thoracic Society, Thoracic Society of Australia and New Zealand, Canadian Thoracic Society, and British Thoracic Society.  
Ann Am Thorac Soc. 2018 Jul;15(7):769-784. doi: 10.1513/AnnalsATS.201804-253WS.  
<https://www.ncbi.nlm.nih.gov/pubmed/29957038>

## EXERCISE TESTING AND TRAINING

**Neuromuscular electrostimulation for adults with chronic obstructive pulmonary disease.**

Hill K, Cavalheri V, Mathur S, Roig M, Janaudis-Ferreira T, Robles P, Dolmage TE, Goldstein R.  
Cochrane Database Syst Rev. 2018 May 29;5:CD010821. doi:  
10.1002/14651858.CD010821.pub2. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29845600>

**Effects of exercise training on cognition in chronic obstructive pulmonary disease: A systematic review.**

Desveaux L, Harrison SL, Gagnon JF, Goldstein RS, Brooks D, Pepin V.  
Respir Med. 2018 Jun;139:110-116. doi: 10.1016/j.rmed.2018.05.006. Epub 2018 May 9.  
<https://www.ncbi.nlm.nih.gov/pubmed/29857994>

**Reliability of the five-repetition sit-to-stand test in patients with chronic obstructive pulmonary disease on domiciliary oxygen therapy.**

Cani KC, Silva IJCS, Karloh M, Gulart AA, Matte DL, Mayer AF.  
Physiother Theory Pract. 2018 Jun 1:1-7. doi: 10.1080/09593985.2018.1480680. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29856241>

**Is the 6-minute pegboard and ring test valid to evaluate upper limb function in hospitalized patients with acute exacerbation of COPD?**

Felisberto RM, de Barros CF, Nucci KCA, de Albuquerque ALP, Paulin E, de Brito CMM, Yamaguti WP.

Int J Chron Obstruct Pulmon Dis. 2018 May 22;13:1663-1673. doi: 10.2147/COPD.S161463. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29861629>

**An evaluation of the short physical performance battery following pulmonary rehabilitation in patients with chronic obstructive pulmonary disease.**

Larsson P, Borge CR, Nygren-Bonnier M, Lerdal A, Edvardsen A.

BMC Res Notes. 2018 Jun 4;11(1):348. doi: 10.1186/s13104-018-3458-7.

<https://www.ncbi.nlm.nih.gov/pubmed/29866200>

**Effectiveness of water-based Liuzijue exercise on respiratory muscle strength and peripheral skeletal muscle function in patients with COPD.**

Wu W, Liu X, Liu J, Li P, Wang Z.

Int J Chron Obstruct Pulmon Dis. 2018 May 25;13:1713-1726. doi: 10.2147/COPD.S165593. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29872289>

**Clinical characteristics of COPD patients with early-onset desaturation in the 6-minute walk test.**

García-Talavera I, Figueira-Gonçalves JM, Gurbani N, Pérez-Méndez L, Pedrero-García A.

Pulmonology. 2018 Jun 14. pii: S2531-0437(18)30076-X. doi: 10.1016/j.pulmoe.2018.04.007. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29910123>

**Transcutaneous electric nerve stimulation over acupoints for chronic obstructive pulmonary disease: Protocol for a systematic review and meta-analysis.**

Wang JJ, Xie Y, Zhao HL, Han WH, Wang XC.

Medicine (Baltimore). 2018 Jun;97(25):e11199. doi: 10.1097/MD.00000000000011199.

<https://www.ncbi.nlm.nih.gov/pubmed/29924042>

**SHORT-TERM EFFECTS OF NORMOCAPNIC HYPERPNEA AND EXERCISE TRAINING IN COPD PATIENTS: A PILOT STUDY.**

Paneroni M, Simonelli C, Saleri M, Trainini D, Fokom G, Speltoni I, Piaggi G, Ambrosino N, Vitacca M.

Am J Phys Med Rehabil. 2018 Jun 21. doi: 10.1097/PHM.0000000000000988. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29927750>

**Near-infrared spectroscopy using indocyanine green dye for minimally invasive measurement of respiratory and leg muscle blood flow in patients with COPD.**

Louvaris Z, Habazettl H, Wagner H, Zakynthinos SG, Wagner PD, Vogiatzis I.

J Appl Physiol (1985). 2018 Jun 21. doi: 10.1152/jappphysiol.00959.2017. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29927736>

**Can muscle protein metabolism be specifically targeted by exercise training in COPD?**

Simoes DCM, Vogiatzis I.

J Thorac Dis. 2018 May;10(Suppl 12):S1367-S1376. doi: 10.21037/jtd.2018.02.67.  
<https://www.ncbi.nlm.nih.gov/pubmed/29928519>

**Can muscle protein metabolism be specifically targeted by nutritional support and exercise training in chronic obstructive pulmonary disease?**

Lakhdar R, Rabinovich RA.

J Thorac Dis. 2018 May;10(Suppl 12):S1377-S1389. doi: 10.21037/jtd.2018.05.81.  
<https://www.ncbi.nlm.nih.gov/pubmed/29928520>

**Muscle atrophy in chronic obstructive pulmonary disease: molecular basis and potential therapeutic targets.**

Barreiro E, Jaitovich A.

J Thorac Dis. 2018 May;10(Suppl 12):S1415-S1424. doi: 10.21037/jtd.2018.04.168.  
<https://www.ncbi.nlm.nih.gov/pubmed/29928523>

**Dynamic Hyperinflation Impairs Cardiac Performance During Exercise in COPD.**

J Cardiopulm Rehabil Prev. 2018 Jun 22. doi: 10.1097/HCR.0000000000000325. [Epub ahead of print]  
Frazão M, Silva PE, Frazão W, da Silva VZM, Correia MAV Jr, Gomes Neto M.

<https://www.ncbi.nlm.nih.gov/pubmed/29939879>

**Physiological Responses and Dynamic Hyperinflation Induced by Unsupported Arm Activities Involved in Multiple-Task Activities of Daily Living Test in Patients With COPD.**

Gulart AA, Munari AB, Dos Santos K, Tressoldi C, Karloh M, Mayer AF.

J Cardiopulm Rehabil Prev. 2018 Jun 26. doi: 10.1097/HCR.0000000000000339. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29952808>

**Noninvasive Ventilation as an Important Adjunct to an Exercise Training Program in Subjects With Moderate to Severe COPD.**

Marrara KT, Di Lorenzo VAP, Jaenisch RB, Cabiddu R, de Oliveira Sato T, Mendes RG, Oliveira CR, Costa D, Borghi-Silva A .

Respir Care. 2018 Jun 26. pii: respcare.05763. doi: 10.4187/respcare.05763. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29945905>

**Exercise assessments and trainings of pulmonary rehabilitation in COPD: a literature review.**

Zeng Y, Jiang F, Chen Y, Chen P, Cai S.

Int J Chron Obstruct Pulmon Dis. 2018 Jun 26;13:2013-2023. doi: 10.2147/COPD.S167098. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29983556>

**Effect of Liuzijue Exercise Combined with Elastic Band Resistance Exercise on Patients with COPD: A Randomized Controlled Trial.**

Wu W, Liu X, Li P, Li N, Wang Z.

Evid Based Complement Alternat Med. 2018 Jun 11;2018:2361962. doi: 10.1155/2018/2361962. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29991952>

**Test-re-test reliability of quadriceps muscle strength measures in people with more severe chronic obstructive pulmonary disease.**

Nyberg A, Saey D, Martin M, Maltais F.

J Rehabil Med. 2018 Jul 13. doi: 10.2340/16501977-2354. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/30004108>

**A modified 6-form Tai Chi for patients with COPD.**

Zhu S, Shi K, Yan J, He Z, Wang Y, Yi Q, Huang H.

Complement Ther Med. 2018 Aug;39:36-42. doi: 10.1016/j.ctim.2018.05.007. Epub 2018 May 17.

<https://www.ncbi.nlm.nih.gov/pubmed/30012390>

**Effects of upper limb resistance exercise on aerobic capacity, muscle strength, and quality of life in COPD patients: a randomized controlled trial.**

Silva CMDSE<sup>1</sup>, Gomes Neto M<sup>1</sup>, Saquetto MB<sup>1</sup>, Conceição CSD<sup>1</sup>, Souza-Machado A<sup>2</sup>.

Clin Rehabil. 2018 Jul 1:269215518787338. doi: 10.1177/0269215518787338. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/30012033>

## PHYSICAL ACTIVITY

**Verification of a Motion Sensor for Evaluating Physical Activity in COPD Patients.**

Miyamoto S, Minakata Y, Azuma Y, Kawabe K, Ono H, Yanagimoto R, Suruda T.

Can Respir J. 2018 Apr 23;2018:8343705. doi: 10.1155/2018/8343705. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29849834>

**Facilitators and barriers to physical activity following pulmonary rehabilitation in COPD: a systematic review of qualitative studies.**

Robinson H, Williams V, Curtis F, Bridle C, Jones AW.

NPJ Prim Care Respir Med. 2018 Jun 4;28(1):19. doi: 10.1038/s41533-018-0085-7.

<https://www.ncbi.nlm.nih.gov/pubmed/29867117>

**Physical activity and sedentary time are related to clinically relevant health outcomes among adults with obstructive lung disease.**

Dogra S, Good J, Buman MP, Gardiner PA, Copeland JL, Stickland MK.  
BMC Pulm Med. 2018 Jun 7;18(1):98. doi: 10.1186/s12890-018-0659-8.  
<https://www.ncbi.nlm.nih.gov/pubmed/29879930>

**Improvement of physical activity in chronic obstructive pulmonary disease by pulmonary rehabilitation and pharmacological treatment.**

Shioya T, Sato S, Iwakura M, Takahashi H, Terui Y, Uemura S, Satake M.  
Respir Investig. 2018 Jun 11. pii: S2212-5345(18)30092-3. doi: 10.1016/j.resinv.2018.05.002.  
[Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29903607>

**Self-reported task-oriented physical activity: A comparison with objective daily step count in COPD.**

Wan ES, Kantorowski A, Homsy D, Kadri R, Richardson CR, Mori D, Moy ML.  
Respir Med. 2018 Jul;140:63-70. doi: 10.1016/j.rmed.2018.05.012. Epub 2018 May 19.  
<https://www.ncbi.nlm.nih.gov/pubmed/29957283>

**Using step counters to promote physical activity and exercise capacity in patients with chronic obstructive pulmonary disease: a meta-analysis.**

Qiu S, Cai X, Wang X, He C, Zügel M, Steinacker JM, Schumann U.  
Ther Adv Respir Dis. 2018 Jan-Dec;12:1753466618787386. doi: 10.1177/1753466618787386.  
<https://www.ncbi.nlm.nih.gov/pubmed/29993339>

**Lung volume reduction surgery does not increase daily physical activity in patients with severe chronic obstructive pulmonary disease.**

Sievi NA, Franzen D, Kohler M, Clarenbach CF.  
J Thorac Dis. 2018 May;10(5):2722-2730. doi: 10.21037/jtd.2018.05.18.  
<https://www.ncbi.nlm.nih.gov/pubmed/29997934>

**Benefits and costs of home pedometer assisted physical activity in patients with COPD. A preliminary randomized controlled trial.**

Widyastuti K, Makhahah DN, Setijadi AR, Sutanto YS, Suradi, Ambrosino N.  
Pulmonology. 2018 Jul - Aug;24(4):211-218. doi: 10.1016/j.pulmoe.2018.01.006. Epub 2018 Mar 12.  
<https://www.ncbi.nlm.nih.gov/pubmed/30008335>

**Making sense of telemedicine in the management of COPD.**

Bourbeau J, Farias R.

Eur Respir J. 2018 May 30;51(5). pii: 1800851. doi: 10.1183/13993003.00851-2018. Print 2018 May.

<https://www.ncbi.nlm.nih.gov/pubmed/29848578>

**COPD360social Online Community: A Social Media Review.**

Stellefson M, Paige SR, Alber JM, Stewart M.

Health Promot Pract. 2018 Jun 1:1524839918779567. doi: 10.1177/1524839918779567. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29884075>

**Feasibility of Using a Smartwatch to Intensively Monitor Patients With Chronic Obstructive Pulmonary Disease: Prospective Cohort Study.**

Wu R, Liaqat D, de Lara E, Son T, Rudzicz F, Alshaer H, Abed-Esfahani P, Gershon AS.

JMIR Mhealth Uhealth. 2018 Jun 14;6(6):e10046. doi: 10.2196/10046.

<https://www.ncbi.nlm.nih.gov/pubmed/29903700>

**Self management of patients with mild COPD in primary care: randomised controlled trial.**

Jolly K, Sidhu MS, Hewitt CA, Coventry PA, Daley A, Jordan R, Heneghan C, Singh S, Ives N, Adab P, Jowett S, Varghese J, Nunan D, Ahmed K, Dowson L, Fitzmaurice D.

BMJ. 2018 Jun 13;361:k2241. doi: 10.1136/bmj.k2241.

<https://www.ncbi.nlm.nih.gov/pubmed/29899047>

**Using Video Telehealth to Facilitate Inhaler Training in Rural Patients with Obstructive Lung Disease.**

Locke ER, Thomas RM, Woo DM, Nguyen EHK, Tamanaha BK, Press VG, Reiber GE, Kaboli PJ, Fan VS.

Telemed J E Health. 2018 Jul 17. doi: 10.1089/tmj.2017.0330. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/30016216>

**PATIENT REPORTED OUTCOME MEASURES**

**Evaluation of the psychometric properties of the Early Morning Symptoms of COPD Instrument (EMSCI).**

Hareendran A, Make BJ, Zaiser E, Garcia Gil E .

Int J Chron Obstruct Pulmon Dis. 2018 May 18;13:1633-1645. doi: 10.2147/COPD.S152087. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29849455>

**Model for Developing a Health-Related Quality of Life Questionnaire for Chronic Obstructive Pulmonary Disease.**

Emilija N, Aleksandar N, Ruža S, Tijana B, Veselin M, Jelena M.

Can Respir J. 2018 May 2;2018:6450962. doi: 10.1155/2018/6450962. eCollection 2018.  
<https://www.ncbi.nlm.nih.gov/pubmed/29854031>

**Integrated Brief Cognitive Behavioral Therapy Improves Illness Intrusiveness in Veterans With Chronic Obstructive Pulmonary Disease.**

Renn BN, Hundt NE, Sansgiry S, Petersen NJ, Kauth MR, Kunik ME, Cully JA.  
Ann Behav Med. 2018 May 31. doi: 10.1093/abm/kax045. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29860524>

**A comparison of the assessment of health status between CCQ and CAT in a Chinese COPD clinical population: a cross-sectional analysis.**

Zhou Z, Zhou A, Zhao Y, Duan J, Chen P.  
Int J Chron Obstruct Pulmon Dis. 2018 May 24;13:1675-1682. doi: 10.2147/COPD.S161225. eCollection 2018.  
<https://www.ncbi.nlm.nih.gov/pubmed/29872285>

**A study of measurement properties of the Life-Space Assessment questionnaire in older adults with chronic obstructive pulmonary disease.**

Garcia IFF, Tiuganji CT, Simões MDSMP, Lunardi AC.  
Clin Rehabil. 2018 Jun 1;269215518780488. doi: 10.1177/0269215518780488. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29865890>

**Type A Behavior Pattern, Impulsiveness, Risk Propensity, and Empathy as Predictors of Dyspnea and Number of Infections in Men with Chronic Obstructive Pulmonary Disease: A Cross-Sectional Study.**

Witusik A, Mokros Ł, Kuna P, Nowakowska-Domagala K, Antczak A, Pietras T.  
Med Sci Monit. 2018 Jun 6;24:3832-3839. doi: 10.12659/MSM.907742.

**Reliability and validity of the Brief Pain Inventory in individuals with chronic obstructive pulmonary disease.**

Chen YW, HajGhanbari B, Road JD, Coxson HO, Camp PG, Reid WD.  
Eur J Pain. 2018 Jun 8. doi: 10.1002/ejp.1258. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29883526>

**Sleepiness, fatigue, anxiety and depression in Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnea - Overlap - Syndrome, before and after continuous positive airways pressure therapy.**

Economou NT, Ilias I, Velentza L, Papachatzakis Y, Zarogoulidis P, Kallianos A, Trakada G.  
PLoS One. 2018 Jun 11;13(6):e0197342. doi: 10.1371/journal.pone.0197342. eCollection 2018.  
<https://www.ncbi.nlm.nih.gov/pubmed/29889828>

**Intrinsic factors influence self-management participation in COPD: effects on self-efficacy.**



de Boer GM, Mennema TH, van Noort E, Chavannes NH, Birnie E, In 't Veen JCCM. ERJ Open Res. 2018 Jun 11;4(2). pii: 00011-2018. doi: 10.1183/23120541.00011-2018. eCollection 2018 Apr.

<https://www.ncbi.nlm.nih.gov/pubmed/29900178>

**Perspectives From COPD Subjects on Portable Long-Term Oxygen Therapy Devices.**

ALMutairi HJ, Mussa CC, Lambert CTM, Vines DL, Strickland SL.

Respir Care. 2018 Jun 19. pii: respcare.05916. doi: 10.4187/respcare.05916. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29921606>

**Genetic profile and patient-reported outcomes in chronic obstructive pulmonary disease: A systematic review.**

Melro H, Gomes J, Moura G, Marques A.

PLoS One. 2018 Jun 21;13(6):e0198920. doi: 10.1371/journal.pone.0198920. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29927965>

**Hand grip strength is associated with fatigue among men with COPD: epidemiological data from northern Sweden.**

Strandkvist V, Andersson M, Backman H, Larsson A, Stridsman C, Lindberg A.

Physiother Theory Pract. 2018 Jun 26;1-9. doi: 10.1080/09593985.2018.1486490. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29944062>

**Assessing health status over time: impact of recall period and anchor question on the minimal clinically important difference of copd health status tools.**

Alma HJ, de Jong C, Jelusic D, Wittmann M, Schuler M, Kollen BJ, Sanderman R, Schultz K, Kocks JWH, Van der Molen T.

Health Qual Life Outcomes. 2018 Jun 26;16(1):130. doi: 10.1186/s12955-018-0950-7.

<https://www.ncbi.nlm.nih.gov/pubmed/29940980>

**Understanding changes in dyspnoea perception in obstructive lung disease after mindfulness training.**

Malpass A, Feder G, Dodd JW.

BMJ Open Respir Res. 2018 Jun 23;5(1):e000309. doi: 10.1136/bmjresp-2018-000309. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29955365>

**The relationship between sleep disturbance and health status in patients with COPD.**

Int J Chron Obstruct Pulmon Dis. 2018 Jun 28;13:2049-2055. doi: 10.2147/COPD.S167678.

Ban WH1, Joo H1, Lim JU1, Kang HH2, Moon HS2, Lee SH2.

eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29988722>

**Test Performance Characteristics of the AIR, GAD-7 and HADS-Anxiety Screening Questionnaires for Anxiety in Chronic Obstructive Pulmonary Disease.**

Baker AM, Holbrook JT, Yohannes AM, Eakin MN, Sugar EA, Henderson RJ, Casper AS, Kaminsky DA, Rea AL, Mathews AM, Que LG, Ramsdell JW, Gerald LB, Wise RA, Hanania NA; for American Lung Association Airways Clinical Research Centers.

Ann Am Thorac Soc. 2018 Jul 9. doi: 10.1513/AnnalsATS.201708-631OC. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29986152>

**A systematic review on how patients value chronic obstructive pulmonary disease outcomes.**

Zhang Y, Morgan RL, Alonso-Coello P, Wiercioch W, Bała MM, Jaeschke RR, Styczeń K, Pardo-Hernandez H, Selva A, Ara Begum H, Paolo Morgano G, Waligóra M, Agarwal A, Ventresca M, Strzebońska K, Wasylewski MT, Blanco-Silvente L, Kerth JL, Wang M, Zhang Y, Narsingam S, Fei Y, Guyatt G, Schünemann HJ.

Eur Respir J. 2018 Jul 12. pii: 1800222. doi: 10.1183/13993003.00222-2018. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/30002103>

**COPD transitions in health and self-management: service users' experiences from everyday life.**

Halding AG, Aarsheim EI, Dolmen NM, Jensen AJ, Stavøstrand S, Grov EK.

Int J Chron Obstruct Pulmon Dis. 2018 Jul 4;13:2075-2088. doi: 10.2147/COPD.S158058. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/30013335>

**Physical frailty characteristics have a differential impact on symptoms as measured by the CAT score: an observational study.**

Medina-Mirapeix F, Bernabeu-Mora R, Giménez-Giménez LM, Escolar-Reina P, Gacto-Sánchez M, de Oliveira-Sousa SL.

Health Qual Life Outcomes. 2018 Jul 16;16(1):140. doi: 10.1186/s12955-018-0969-9.

<https://www.ncbi.nlm.nih.gov/pubmed/30012169>

**INTERSTITIAL LUNG DISEASE**

**Psychometric properties of the St George's Respiratory Questionnaire in patients with idiopathic pulmonary fibrosis: insights from the INPULSIS trials.**

Swigris JJ, Wilson H, Esser D, Conoscenti CS, Stansen W, Kline Leidy N, Brown KK.

BMJ Open Respir Res. 2018 May 18;5(1):e000278. doi: 10.1136/bmjresp-2018-000278. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29862029>

**Risk factors for interstitial lung disease: a 9-year Nationwide population-based study.**

Choi WI, Dauti S, Kim HJ, Park SH, Park JS, Lee CW.

BMC Pulm Med. 2018 Jun 4;18(1):96. doi: 10.1186/s12890-018-0660-2.

<https://www.ncbi.nlm.nih.gov/pubmed/29866093>

**Could quality be the key in connective tissue disease-associated interstitial lung disease?**

Molyneaux PL, Maher TM.

Respirology. 2018 Jun 13. doi: 10.1111/resp.13340. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29897157>

**Mortality in interstitial lung disease: do race and skin colour matter?**

Morisset J, Mageto Y, Raghu G.

Eur Respir J. 2018 Jun 14;51(6). pii: 1800892. doi: 10.1183/13993003.00892-2018. Print 2018 Jun.

<https://www.ncbi.nlm.nih.gov/pubmed/29903831>

**Exertional Oxygen Requirements During Exercise Training in Advanced Interstitial Lung Disease.**

Wickerson L, Brooks D, Reid WD, Singer LG, Granton J, Mathur S.

J Cardiopulm Rehabil Prev. 2018 Jun 26. doi: 10.1097/HCR.0000000000000338. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29952810>

**Unclassifiable Interstitial Lung Disease: Time to Shrink the Black Box.**

Brown AW.

Ann Am Thorac Soc. 2018 Jul;15(7):806-807. doi: 10.1513/AnnalsATS.201804-289ED.

<https://www.ncbi.nlm.nih.gov/pubmed/29957036>

**Unclassifiable interstitial lung disease: from phenotyping to possible treatments.**

Guler SA, Ryerson CJ.

Curr Opin Pulm Med. 2018 Jul 11. doi: 10.1097/MCP.0000000000000509. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/30004990>

**ASTHMA**

**Dynamic hyperinflation during the 6-min walk test in severely asthmatic subjects.**

Benfante A, Di Marco F, Terraneo S, Centanni S, Scichilone N.

ERJ Open Res. 2018 May 18;4(2). pii: 00143-2017. doi: 10.1183/23120541.00143-2017. eCollection 2018 Apr.

<https://www.ncbi.nlm.nih.gov/pubmed/29796391>

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**PERSPECTIVES / STATEMENTS / EDITORIALS**

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