



## ERS literature update February-March 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

#### **Religious coping and religiosity in patients with COPD following pulmonary rehabilitation.**

da Silva GP, Nascimento FA, Macêdo TP, Morano MT, Mesquita R, Pereira ED.

Int J Chron Obstruct Pulmon Dis. 2018 Jan 4;13:175-181. doi: 10.2147/COPD.S146400.

eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29379282>

#### **Mindfulness-based cognitive therapy in COPD: a cluster randomised controlled trial.**

Farver-Vestergaard I, O'Toole MS, O'Connor M, Løkke A, Bendstrup E, Basdeo SA, Cox DJ, Dunne PJ, Ruggeri K, Early F, Zachariae R.

Eur Respir J. 2018 Jan 31;51(2). pii: 1702082. doi: 10.1183/13993003.02082-2017. Print 2018 Feb.

<https://www.ncbi.nlm.nih.gov/pubmed/29386337>

#### **Acceptability and validity of a home exercise diary used in home-based pulmonary rehabilitation: a secondary analysis of a randomised controlled trial.**

Lahham A, McDonald CF, Mahal A, Lee A, Hill CJ, Burge AT, Cox NS, Moore R, Nicolson C, O'Halloran PD, Gillies R, Holland AE.

Clin Respir J. 2018 Feb 2. doi: 10.1111/crj.12773. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29392881>

#### **Efficacy of supervised maintenance exercise following pulmonary rehabilitation on health care use: a systematic review and meta-analysis.**

Jenkins AR, Gowler H, Curtis F, Holden NS, Bridle C, Jones AW.

Int J Chron Obstruct Pulmon Dis. 2018 Jan 10;13:257-273. doi: 10.2147/COPD.S150650. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29391784>

#### **A new pulmonary rehabilitation maintenance strategy through home-visiting and phone contact in COPD.**

Li Y, Feng J, Li Y, Jia W, Qian H.

Patient Prefer Adherence. 2018 Jan 11;12:97-104. doi: 10.2147/PPA.S150679. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29391781>

**Home-based neuromuscular electrical stimulation as an add-on to pulmonary rehabilitation does not provide further benefits in patients with chronic obstructive pulmonary disease: A multicenter randomized trial.**

Bonnevie T, Gravier FE, Debeaumont D, Viacroze C, Muir JF, Cuvelier A, Netchitaïlo M, Roy AL, Quieffin J, Marques MH, Médrinal C, Dupuis J, Tardif C.  
Arch Phys Med Rehabil. 2018 Feb 16. pii: S0003-9993(18)30100-X. doi: 10.1016/j.apmr.2018.01.024. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29457998>

**Variability in Quality of Life Outcomes Following a Pulmonary Rehabilitation Program in Patients With COPD.**

Porto EF, Castro AAM, Cortopassi F, de Souza GF, Jardim JR.  
J Cardiopulm Rehabil Prev. 2018 Mar;38(2):118-123. doi: 10.1097/HCR.0000000000000292.  
<https://www.ncbi.nlm.nih.gov/pubmed/29465498>

**The feasibility of early pulmonary rehabilitation and activity after COPD exacerbations: external pilot randomised controlled trial, qualitative case study and exploratory economic evaluation.**

Cox M, O'Connor C, Biggs K, Hind D, Bortolami O, Franklin M, Collins B, Walters S, Wailoo A, Channell J, Albert P, Freeman U, Bourke S, Steiner M, Miles J, O'Brien T, McWilliams D, Schofield T, O'Reilly J, Hughes R.  
Health Technol Assess. 2018 Mar;22(11):1-204. doi: 10.3310/hta22110.  
<https://www.ncbi.nlm.nih.gov/pubmed/29516853>

**The relationship between exercise capacity and different functional markers in pulmonary rehabilitation for COPD.**

Kerti M, Balogh Z, Kelemen K, Varga JT .  
Int J Chron Obstruct Pulmon Dis. 2018 Feb 28;13:717-724. doi: 10.2147/COPD.S153525. eCollection 2018.  
<https://www.ncbi.nlm.nih.gov/pubmed/29535512>

**Pulmonary Rehabilitation and Exercise Training in Chronic Obstructive Pulmonary Disease.**

Gloeckl R.  
Dtsch Arztebl Int. 2018 Feb 23;115(8):117-123. doi: 10.3238/arztebl.2018.0117.  
<https://www.ncbi.nlm.nih.gov/pubmed/29526182>

**In people with chronic obstructive pulmonary disease, home-based pulmonary rehabilitation produces similar results to a hospital-based outpatient program [synopsis].**

Hill K.  
J Physiother. 2018 Mar 16. pii: S1836-9553(18)30009-2. doi: 10.1016/j.jphys.2018.02.003. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29555422>

**In people with chronic obstructive pulmonary disease, home-based pulmonary rehabilitation produces similar results to a hospital-based outpatient program [commentary].**

Maltais F.

J Physiother. 2018 Mar 19. pii: S1836-9553(18)30010-9. doi: 10.1016/j.jphys.2018.02.004.

[Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29567380>

## **EXERCISE TESTING AND TRAINING**

**Efficacy of yoga training in chronic obstructive pulmonary disease patients: A systematic review and meta-analysis.**

Li C, Liu Y, Ji Y, Xie L, Hou Z.

Complement Ther Clin Pract. 2018 Feb;30:33-37. doi: 10.1016/j.ctcp.2017.11.006. Epub 2017 Nov 11.

<https://www.ncbi.nlm.nih.gov/pubmed/29389476>

**Relationship between exercise endurance and static hyperinflation in a post hoc analysis of two clinical trials in patients with COPD.**

Singh S, Maltais F, Tombs L, Fahy WA, Vahdati-Bolouri M, Locantore N, Riley JH.

Int J Chron Obstruct Pulmon Dis. 2018 Jan 8;13:203-215. doi: 10.2147/COPD.S145285.

eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29386889>

**A study on nonlinear estimation of submaximal effort tolerance based on the generalized MET concept and the 6MWT in pulmonary rehabilitation.**

Szczegielniak J, Latawiec KJ, Łuniewski J, Stanisławski R, Bogacz K, Krajczy M, Rydel M.

PLoS One. 2018 Feb 9;13(2):e0191875. doi: 10.1371/journal.pone.0191875. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29425213>

**Effect of tiotropium on spontaneous expiratory flow-volume curves during exercise in GOLD 1-2 COPD.**

Porszasz J, Carraro N, Cao R, Gore A, Ma S, Jiang T, Maltais F, Ferguson GT, O'Donnell DE, Shaikh A, Rossiter HB, Casaburi R.

Respir Physiol Neurobiol. 2018 Feb 10. pii: S1569-9048(17)30350-6. doi: 10.1016/j.resp.2018.02.006. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29438808>

**Gait analysis in patients with chronic obstructive pulmonary disease: a systematic review.**

Zago M, Sforza C, Bonardi DR, Guffanti EE, Galli M.

Gait Posture. 2018 Feb 13;61:408-415. doi: 10.1016/j.gaitpost.2018.02.007. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29462775>

**The Glittre-ADL Test Cut-Off Point to Discriminate Abnormal Functional Capacity in Patients with COPD.**

Gulart AA, Munari AB, Klein SR, Santos da Silveira L, Mayer AF.  
COPD. 2018 Feb;15(1):73-78. doi: 10.1080/15412555.2017.1369505.  
<https://www.ncbi.nlm.nih.gov/pubmed/29469676>

**A Simplified Approach to Select Exercise Endurance Intensity for Interventional Studies in COPD.**

Degani-Costa LH, O'Donnell DE, Webb K, Aranda LC, Carlstrom JP, Cesar TDS, Plachi F, Berton DC, Neder JA, Nery LE.  
COPD. 2018 Feb 27:0. doi: 10.1080/15412555.2018.1428944. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29485343>

**The effect of a regular walking program on dyspnoea severity and quality of life in normal weight, overweight, and obese patients with chronic obstructive pulmonary disease.**

Yilmaz FT, Aydin HT.  
Int J Nurs Pract. 2018 Mar 2. doi: 10.1111/ijn.12636. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29498156>

**Functional Electrical Stimulation-A new therapeutic approach to enhance exercise intensity in Chronic Obstructive Pulmonary Disease patients : a randomised controlled cross-over trial.**

Medrinal C, Prieur G, Combret Y, Quesada AR, Debeaumont D, Bonnevie T, Gravier FE, Dupuis Lozeron E, Quieffin J, Contal O, Lamia B.  
Arch Phys Med Rehabil. 2018 Mar 7. pii: S0003-9993(18)30153-9. doi: 10.1016/j.apmr.2018.02.002. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29524398>

**Inspiratory muscle training reduces diaphragm activation and dyspnea during exercise in COPD.**

Langer D, Ciavaglia CE, Faisal A, Webb KA, Neder JA, Gosselink R, Dacha S, Topalovic M, Ivanova A, O'Donnell DE.  
J Appl Physiol (1985). 2018 Mar 15. doi: 10.1152/japplphysiol.01078.2017. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29543134>

**High-Frequency Airway Oscillating Device for Respiratory Muscle Training in Subjects With COPD.**

Daynes E, Greening NJ, Harvey-Dunstan TC, Singh SJ.  
Respir Care. 2018 Mar 13. pii: respcare.05837. doi: 10.4187/respcare.05837. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29535259>

**Exercise Performance of Lowlanders with COPD at 2,590 m: Data from a Randomized Trial.**

Furian M, Hartmann SE, Latshang TD, Flueck D, Murer C, Scheiwiller PM, Osmonov B, Ulrich S, Kohler M, Poulin MJ, Bloch KE.  
Respiration. 2018 Mar 2. doi: 10.1159/000486450. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29502125>

#### **Magnetic Stimulation Therapy in Patients with COPD: A Systematic Review.**

Polastri M, Comellini V, Pacilli AMG, Nava S.  
COPD. 2018 Mar 20;1:1-6. doi: 10.1080/15412555.2018.1439910. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29558200>

### **PHYSICAL ACTIVITY**

#### **Associations of total and type-specific physical activity with mortality in chronic obstructive pulmonary disease: a population-based cohort study.**

Cheng SWM, McKeough Z, Alison J, Dennis S, Hamer M, Stamatakis E.  
BMC Public Health. 2018 Feb 17;18(1):268. doi: 10.1186/s12889-018-5167-5.  
<https://www.ncbi.nlm.nih.gov/pubmed/29454345>

#### **Low leisure-based sitting time and being physically active were associated with reduced odds of death and diabetes in people with chronic obstructive pulmonary disease: a cohort study.**

McKeough Z, Cheng SWM, Alison J, Jenkins C, Hamer M, Stamatakis E.  
J Physiother. 2018 Mar 21. pii: S1836-9553(18)30014-6. doi: 10.1016/j.jphys.2018.02.007.  
[Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29574168>

#### **Physical activity in the morning and afternoon is lower in patients with chronic obstructive pulmonary disease with morning symptoms.**

van Buul AR, Kasteleyn MJ, Chavannes NH, Taube C.  
Respir Res. 2018 Mar 27;19(1):49. doi: 10.1186/s12931-018-0749-4.  
<https://www.ncbi.nlm.nih.gov/pubmed/29587841>

### **TELEMEDICINE**

#### **How will telemedicine change clinical practice in chronic obstructive pulmonary disease?**

Vitacca M, Montini A, Comini L.  
Ther Adv Respir Dis. 2018 Jan-Dec;12:1753465818754778. doi: 10.1177/1753465818754778.  
<https://www.ncbi.nlm.nih.gov/pubmed/29411700>

#### **Using Robots at Home to Support Patients With Chronic Obstructive Pulmonary Disease: Pilot Randomized Controlled Trial.**

Broadbent E, Garrett J, Jepsen N, Li Ogilvie V, Ahn HS, Robinson H, Peri K, Kerse N, Rouse P, Pillai A, MacDonald B.

J Med Internet Res. 2018 Feb 13;20(2):e45. doi: 10.2196/jmir.8640.

<https://www.ncbi.nlm.nih.gov/pubmed/29439942>

**Telemonitoring and home hospitalization in patients with chronic obstructive pulmonary disease: study TELEPOC.**

Mirón Rubio M, Ceballos Fernández R, Parras Pastor I, Palomo Iloro A, Fernández Félix BM, Medina Miralles J, Zamudio López E, González Pastor J, Amador Lorente C, Mena Hortelano N, Domínguez Sánchez A, Alonso-Viteri S.

Expert Rev Respir Med. 2018 Feb 20. doi: 10.1080/17476348.2018.1442214. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29460648>

**The efficacy of telehealth delivered educational approaches for patients with chronic diseases: A systematic review.**

Rush KL, Hatt L, Janke R, Burton L, Ferrier M, Tetrault M.

Patient Educ Couns. 2018 Feb 15. pii: S0738-3991(18)30053-3. doi: 10.1016/j.pec.2018.02.006. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29486994>

**Continuous remote monitoring of COPD patients-justification and explanation of the requirements and a survey of the available technologies.**

Tomasic I, Tomasic N, Trobec R, Krpan M, Kelava T.

Med Biol Eng Comput. 2018 Mar 5. doi: 10.1007/s11517-018-1798-z. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29504070>

**Telemonitoring in COPD: The CHROMED Study, a Randomized Clinical Trial.**

Walker PP, Pompilio PP, Zanaboni P, Bergmo TS, Prikk K, Malinovschi A, Montserrat JM, Middlemass J, Šonc S, Munaro G, Marušič D, Sepper R, Rosso R, Siriwardena AN, Janson C11, Farre R, Calverley PMA, Dellaca' RL.

Am J Respir Crit Care Med. 2018 Mar 20. doi: 10.1164/rccm.201712-2404OC. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29557669>

**Evaluation and Exploration on the Effect of the Management of Chronic Obstructive Pulmonary Disease in Rural Areas Through Internet-based Network Consulting Room.**

Yan Y, Liu L, Zeng J, Zhang L.

Med Princ Pract. 2018 Mar 20. doi: 10.1159/000488591. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29558756>

**Independent determinants of disease-related quality of life in COPD - scope for nonpharmacologic interventions?**

Brien SB, Stuart B, Dickens AP, Kendrick T, Jordan RE, Adab P, Thomas M.  
Int J Chron Obstruct Pulmon Dis. 2018 Jan 9;13:247-256. doi: 10.2147/COPD.S152955.  
eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29386893>

**Narrative medicine to improve the management and quality of life of patients with COPD: the first experience applying parallel chart in Italy.**

Banfi P, Cappuccio A, Latella ME, Reale L, Muscianisi E, Marini MG.  
Int J Chron Obstruct Pulmon Dis. 2018 Jan 11;13:287-297. doi: 10.2147/COPD.S148685.  
eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29391786>

**Symptom burden and self-management in persons with chronic obstructive pulmonary disease.**

Bringsvor HB, Skaug K, Langeland E, Oftedal BF, Assmus J, Gundersen D, Osborne RH,  
Bentsen SB.  
Int J Chron Obstruct Pulmon Dis. 2018 Jan 24;13:365-373. doi: 10.2147/COPD.S151428.  
eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29416327>

**Patterns and predictors of exhaustion episodes in patients with stable COPD: A longitudinal study.**

Medina-Mirapeix F, Bernabeu-Mora R, Giménez-Giménez LM, Montilla-Herrador J, García-Vidal JA, Benítez-Martínez J.

Int J Clin Pract. 2018 Feb 12. doi: 10.1111/ijcp.13068. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29436160>

**Assessment of depression before and after inpatient rehabilitation in COPD patients: Psychometric properties of the German version of the Patient Health Questionnaire (PHQ-9/PHQ-2).**

Schuler M, Strohmayer M, Mühlig S, Schwaighofer B, Wittmann M, Faller H, Schultz K.  
J Affect Disord. 2018 Feb 21;232:268-275. doi: 10.1016/j.jad.2018.02.037. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29499510>

**Medication adherence and health-related quality of life among patients with chronic obstructive pulmonary disease.**

Horvat N, Locatelli I, Kos M, Janežič A.  
Acta Pharm. 2018 Mar 1;68(1):117-125. doi: 10.2478/acph-2018-0006.

<https://www.ncbi.nlm.nih.gov/pubmed/29453914>

**The cutoff point of clinical chronic obstructive pulmonary disease questionnaire for more symptomatic patients.**

Jo YS, Park S, Kim DK, Yoo CG, Lee CH.

BMC Pulm Med. 2018 Feb 27;18(1):38. doi: 10.1186/s12890-018-0601-0.

<https://www.ncbi.nlm.nih.gov/pubmed/29482616>

**Prevalence of Pain in Copd Patients and Associated Factors: Report From a Population Based Study.**

de Miguel-Díez J, López-de-Andrés A, Hernandez-Barrera V, Jimenez-Trujillo I, Del Barrio JL, Puente-Maestu L, Martinez-Huedo MA, Jimenez-García R.

Clin J Pain. 2018 Feb 26. doi: 10.1097/AJP.0000000000000598. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29485534>

**Different Pattern of Chronic Obstructive Pulmonary Disease Assessment Test Score between Chronic Bronchitis and Non-chronic Bronchitis Patients.**

Yoo SH, Lee JH, Yoo KH, Jung KS, Rhee CK.

Tuberc Respir Dis (Seoul). 2018 Mar 7. doi: 10.4046/trd.2017.0088. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29527842>

**Patients' perspective of the impact of COPD on quality of life: a focus group study for patients with COPD.**

Jarab A, Alefishat E, Mukattash T, Alzoubi K, Pinto S.

Int J Clin Pharm. 2018 Mar 14. doi: 10.1007/s11096-018-0614-z. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29542033>

**Depressive status explains a significant amount of the variance in COPD assessment test (CAT) scores.**

Miravittles M, Molina J, Quintano JA, Campuzano A, Pérez J, Roncero C; DEPREPOC study investigators.

Int J Chron Obstruct Pulmon Dis. 2018 Mar 6;13:823-831. doi: 10.2147/COPD.S154791. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29563782>

**Distinct pain profiles in patients with chronic obstructive pulmonary disease.**

Bentsen SB, Miaskowski C, Cooper BA, Christensen VL, Henriksen AH, Holm AM, Rustøen T.

Int J Chron Obstruct Pulmon Dis. 2018 Mar 6;13:801-811. doi: 10.2147/COPD.S150114. eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29563780>

**INTERSTITIAL LUNG DISEASE**

**Diagnosis and management of idiopathic pulmonary fibrosis: Thoracic Society of Australia and New Zealand and Lung Foundation Australia position statements summary.**

Jo HE, Prasad JD, Troy LK, Mahar A, Bleasel J, Ellis SJ, Chambers DC, Holland AE, Lake FR, Keir G, Goh NS, Wilsher M, de Boer S, Moodley Y, Grainge C, Whitford HM, Chapman SA, Reynolds PN, Beatson D, Jones LJ, Hopkins P, Allan HM, Glaspole I, Corte TJ.  
Med J Aust. 2018 Feb 5;208(2):82-88.

<https://www.ncbi.nlm.nih.gov/pubmed/29385965>

**Idiopathic pulmonary fibrosis: pathogenesis and management.**

Sgalla G, Iovene B, Calvello M, Ori M, Varone F, Richeldi L.  
Respir Res. 2018 Feb 22;19(1):32. doi: 10.1186/s12931-018-0730-2.  
<https://www.ncbi.nlm.nih.gov/pubmed/29471816>

**Using 6-Min Walk Distance Expressed as a Percentage of Reference to Evaluate the Effect of Pulmonary Rehabilitation in Elderly Patients With Interstitial Lung Disease.**

Igarashi A, Iwanami Y, Sugino K, Gocho K, Homma S, Ebihara S.  
J Cardiopulm Rehabil Prev. 2018 Feb 26. doi: 10.1097/HCR.0000000000000305. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29485525>

**Does the severity of interstitial lung disease affect the gains from pulmonary rehabilitation?**

Deniz S, Şahin H, Yalnız E.  
Clin Respir J. 2018 Mar 2. doi: 10.1111/crj.12785. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29498799>

**Prevalence of lung cancer in patients with interstitial lung disease is higher than in those with chronic obstructive pulmonary disease.**

Jung HI, Park JS, Lee MY, Park B, Kim HJ, Park SH, Choi WI, Lee CW.  
Medicine (Baltimore). 2018 Mar;97(11):e0071. doi: 10.1097/MD.00000000000010071.  
<https://www.ncbi.nlm.nih.gov/pubmed/29538197>

**Randomised clinical trial of an early palliative care intervention (SUPPORT) for patients with idiopathic pulmonary fibrosis (IPF) and their caregivers: protocol and key design considerations.**

Lindell KO, Nouraei M, Klesen MJ, Klein S, Gibson KF, Kass DJ, Rosenzweig MQ.  
BMJ Open Respir Res. 2018 Feb 19;5(1):e000272. doi: 10.1136/bmjresp-2017-000272.  
eCollection 2018.  
<https://www.ncbi.nlm.nih.gov/pubmed/29531748>

**Performance of the St George's Respiratory Questionnaire in patients with connective tissue disease-associated interstitial lung disease.**

Suzuki A, Kondoh Y, Swigris JJ, Ando M, Kimura T, Kataoka K, Yamano Y, Furukawa T, Numata M, Sakamoto K, Hasegawa Y.  
Respirology. 2018 Mar 25. doi: 10.1111/resp.13293. [Epub ahead of print]  
<https://www.ncbi.nlm.nih.gov/pubmed/29575410>

## ASTHMA

### **Exercise and Asthma.**

Côté A, Turmel J, Boulet LP.

Semin Respir Crit Care Med. 2018 Feb;39(1):19-28. doi: 10.1055/s-0037-1606215. Epub 2018 Feb 10.

<https://www.ncbi.nlm.nih.gov/pubmed/29427982>

*More interesting papers have been published in 'Seminars in Respiratory and Critical Care Medicine', issue 01: Evolving Concepts in Asthma, please see link below:*

<https://www.thieme-connect.com/products/ejournals/issue/10.1055/s-008-38505>

### **Exercise Improves Physical Activity and Comorbidities in Obese Adults with Asthma.**

Freitas PD, Silva AG, Ferreira PG, da Silva A, Salge JM, Carvalho-Pinto RM, Cukier A, Brito CM, Mancini MC, Carvalho CRF.

Med Sci Sports Exerc. 2018 Feb 9. doi: 10.1249/MSS.0000000000001574. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29432326>

### **Outcomes of the Montana Asthma Home Visiting Program: A home-based asthma education program.**

Fernandes JC, Biskupiak WW, Brokaw SM, Carpenedo D, Loveland KM, Tysk S, Vogl S.

J Asthma. 2018 Feb 9:1-7. doi: 10.1080/02770903.2018.1426766. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29425075>

### **Association Between Obesity and Acute Severity Among Patients Hospitalized for Asthma Exacerbation.**

Luthe SK, Hirayama A, Goto T, Faridi MK, Camargo CA Jr., Hasegawa K.

J Allergy Clin Immunol Pract. 2018 Feb 13. pii: S2213-2198(18)30093-X. doi:

10.1016/j.jaip.2018.02.001. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29452277>

### **Higher mortality of adults with asthma: a 15 year follow-up of a population-based cohort.**

Lemmettyinen RE, Karjalainen JV, But A, Renkonen RLO, Pekkanen JR, Toppila-Salmi SK, Haukka JK.

Allergy. 2018 Feb 20. doi: 10.1111/all.13431. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29461632>

### **Update in Asthma 2017.**

Gray LE, Sly PD.

Am J Respir Crit Care Med. 2018 Feb 21. doi: 10.1164/rccm.201801-0002UP. [Epub ahead of print]

<http://www.ncbi.nlm.nih.gov/pubmed/29466678>

**A systematic review of associations of physical activity and sedentary time with asthma outcomes.**

Cordova-Rivera L, Gibson PG, Gardiner PA, McDonald VM.

J Allergy Clin Immunol Pract. 2018 Mar 3. pii: S2213-2198(18)30127-2. doi:

10.1016/j.jaip.2018.02.027. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29510231>

**Nordic consensus statement on the systematic assessment and management of possible severe asthma in adults.**

Porsbjerg C, Ulrik C, Skjold T, Backer V, Laerum B, Lehman S, Janson C, Sandstrøm T, Bjermer L, Dahlen B, Lundbäck B, Ludviksdóttir D, Björnsdóttir U, Altraja A, Lehtimäki L, Kauppi P, Karjalainen J, Kankaanranta H.

Eur Clin Respir J. 2018 Mar 6;5(1):1440868. doi: 10.1080/20018525.2018.1440868.

eCollection 2018.

<https://www.ncbi.nlm.nih.gov/pubmed/29535852>

**Comparing the effect of pulmonary rehabilitation in patients with uncontrolled and partially controlled asthma.**

Sahin H, Naz I.

J Asthma. 2018 Mar 13:1-8. doi: 10.1080/02770903.2018.1443468. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29533692>

**Asthma and health related quality of life in late midlife adults.**

Urbstonaitis R, Deshpande M, Arnoldi J.

Res Social Adm Pharm. 2018 Mar 9. pii: S1551-7411(17)30783-0. doi:

10.1016/j.sapharm.2018.03.003. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29555405>

**ADVANCED DISEASE / END OF LIFE / PALLIATIVE CARE**

**Palliative Care and Interventional Pulmonology.**

Ali MS, Sorathia L.

Clin Chest Med. 2018 Mar;39(1):57-64. doi: 10.1016/j.ccm.2017.11.001. Epub 2017 Dec 19.

<https://www.ncbi.nlm.nih.gov/pubmed/29433725>

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