



**ERS literature update
October-November 2017**

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

Factors facilitating and hindering the intention to promote pulmonary rehabilitation for patients with COPD among respiratory therapists.

Chen YJ, Fan JY, Guo SE, Hwang SL, Yang TM.

Int J Chron Obstruct Pulmon Dis. 2017 Sep 11;12:2695-2702. doi: 10.2147/COPD.S142124. eCollection 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/28979111>

The Influence of Body Composition on Pulmonary Rehabilitation Outcomes in Chronic Obstructive Pulmonary Disease Patients.

Tunsupon P, Mador MJ.

Lung. 2017 Oct 9. doi: 10.1007/s00408-017-0053-y. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28993936>

Social Determinants of Adherence to Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease.

Oates GR, Hamby BW, Stepanikova I, Knight SJ, Bhatt SP, Hitchcock J, Schumann C, Dransfield MT.

COPD. 2017 Oct 11;1-8. doi: 10.1080/15412555.2017.1379070. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29020525>

The recording and characteristics of pulmonary rehabilitation in patients with COPD using The Health Information Network (THIN) primary care database.

Hakamy A, McKeever TM, Gibson JE, Bolton CE.

NPJ Prim Care Respir Med. 2017 Oct 11;27(1):58. doi: 10.1038/s41533-017-0058-2.

<https://www.ncbi.nlm.nih.gov/pubmed/29021576>

Health status of COPD patients undergoing pulmonary rehabilitation: A comparative responsiveness of the CAT and SGRQ.

Scirihia A, Lungaro-Mifsud S, Scerri J, Magro R, Camilleri L, Montefort S.

Chron Respir Dis. 2017 Nov;14(4):352-359. doi: 10.1177/1479972317694622. Epub 2017 Mar 15.

<https://www.ncbi.nlm.nih.gov/pubmed/29081264>

Management of Dyspnea and Anxiety in Chronic Obstructive Pulmonary Disease: A Critical Review.

Yohannes AM, Junkes-Cunha M, Smith J, Vestbo J.

J Am Med Dir Assoc. 2017 Nov 3. pii: S1525-8610(17)30519-4. doi:

10.1016/j.jamda.2017.09.007. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29108885>

Effect of an intensive 3-week preoperative home rehabilitation programme in patients with chronic obstructive pulmonary disease eligible for lung cancer surgery: a multicentre randomised controlled trial.

Laurent H, Galvaing G, Thivat E, Coudeyre E, Aubretton S, Richard R, Kwiatkowski F, Costes F, Filaire M.

BMJ Open. 2017 Nov 12;7(11):e017307. doi: 10.1136/bmjopen-2017-017307.

<https://www.ncbi.nlm.nih.gov/pubmed/29133320>

Effects of home-based superimposed neuromuscular electrical stimulation in severe chronic obstructive pulmonary disease patients: a randomized controlled clinical trial.

Valenza MC, Torres-Sánchez I, López-López L, Cabrera-Martos I, Ortiz-Rubio A, Valenza-Demet G.

Eur J Phys Rehabil Med. 2017 Nov 16. doi: 10.23736/S1973-9087.17.04745-1. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29144103>

COPD online-rehabilitation versus conventional COPD rehabilitation - rationale and design for a multicenter randomized controlled trial study protocol (CORE trial).

Hansen H, Bieler T, Beyer N, Godtfredsen N, Kallemose T, Frølich A.

BMC Pulm Med. 2017 Nov 16;17(1):140. doi: 10.1186/s12890-017-0488-1.

<https://www.ncbi.nlm.nih.gov/pubmed/29145831>

Pulmonary Rehabilitation With Balance Training for Fall Reduction in Chronic Obstructive Pulmonary Disease: Protocol for a Randomized Controlled Trial.

Beauchamp MK, Brooks D, Ellerton C, Lee A, Alison J, Camp PG, Dechman G, Haines K, Harrison SL, Holland AE, Marques A, Moineddin R, Skinner EH, Spencer L, Stickland MK, Xie F, Goldstein RS.

JMIR Res Protoc. 2017 Nov 20;6(11):e228. doi: 10.2196/resprot.8178.

<https://www.ncbi.nlm.nih.gov/pubmed/29158206>

EXERCISE TESTING AND TRAINING

Effects of Combined Aerobic-Strength Training vs Fitness Education Program in COPD Patients.

Rinaldo N, Bacchi E, Coratella G, Vitali F, Milanese C, Rossi A, Schena F, Lanza M.

Int J Sports Med. 2017 Oct 5. doi: 10.1055/s-0043-112339. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28982202>

Deterioration of Limb Muscle Function During Acute Exacerbation of Chronic Obstructive Pulmonary Disease.

Abdulai RM, Jellesmark Jensen T, Patel NR, Polkey MI, Jansson P, Celli BR, Rennard SI. Am J Respir Crit Care Med. 2017 Oct 24. doi: 10.1164/rccm.201703-0615CI. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29064260>

Effects of home-based lower limb resistance training on muscle strength and functional status in stable COPD patients.

Chen Y, Niu M, Zhang X, Qian H, Xie A, Wang X. J Clin Nurs. 2017 Oct 27. doi: 10.1111/jocn.14131. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29076609>

Respiratory muscle function and exercise limitation in patients with chronic obstructive pulmonary disease: a review.

Charususin N, Dacha S, Gosselink R, Decramer M, von Leupoldt A, Reijnders T, Louvaris Z, Langer D. Expert Rev Respir Med. 2017 Oct 26. doi: 10.1080/17476348.2018.1398084. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29072087>

Minimal important difference and responsiveness of 2-minute walk test performance in people with COPD undergoing pulmonary rehabilitation.

Johnston KN, Potter AJ, Phillips AC. Int J Chron Obstruct Pulmon Dis. 2017 Oct 9;12:2849-2857. doi: 10.2147/COPD.S143179. eCollection 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/29070945>

Comparative study of two different respiratory training protocols in elderly patients with chronic obstructive pulmonary disease.

Mehani SHM. Clin Interv Aging. 2017 Oct 12;12:1705-1715. doi: 10.2147/CIA.S145688. eCollection 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/29066876>

Handgrip Strength in Chronic Obstructive Pulmonary Disease. Associations with Acute Exacerbations and Body Composition.

Martinez CH, Diaz AA, Meldrum CA, McDonald MN, Murray S, Kinney GL, Hokanson JE, Curtis JL, Bowler RP, Han MK, Washko GR, Regan EA; COPDGene Investigators. Ann Am Thorac Soc. 2017 Nov;14(11):1638-1645. doi: 10.1513/AnnalsATS.201610-821OC.

<https://www.ncbi.nlm.nih.gov/pubmed/29090990>

Handgrip Strength in Chronic Obstructive Pulmonary Disease: Ready for Prime Time or Frailty Research Tool?

Kennedy CC.

Ann Am Thorac Soc. 2017 Nov;14(11):1630-1631. doi: 10.1513/AnnalsATS.201706-487ED.
<https://www.ncbi.nlm.nih.gov/pubmed/29090996>

Nutritional Status of Patients with Chronic Obstructive Pulmonary Disease in Relation to their Physical Performance.

Matkovic Z, Cvetko D, Rahelic D, Esquinas C, Zarak M, Miravittles M, Tudoric N.

COPD. 2017 Nov 3:1-9. doi: 10.1080/15412555.2017.1386643. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29099635>

Effect of Pulmonary Rehabilitation on Inspiratory Capacity During 6-min Walk Test in Patients With COPD: A PROSPECTIVE CONTROLLED STUDY.

Spielmanns M, Boeselt T, Nell C, Eckhoff J, Koczulla RA, Magnet FS, Storre JH, Windisch W, Baum K.

J Cardiopulm Rehabil Prev. 2017 Nov 8. doi: 10.1097/HCR.000000000000285. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29120968>

Obesity and metabolic syndrome in COPD: is exercise the answer?

James BD, Jones AV, Trethewey RE, Evans RA.

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<https://www.ncbi.nlm.nih.gov/pubmed/29117797>

Multimodel inference applied to oxygen recovery kinetics after 6-min walk tests in patients with chronic obstructive pulmonary disease.

Baty F, Ritz C, Jensen SM, Kern L, Tamm M, Brutsche MH.

PLoS One. 2017 Nov 8;12(11):e0187548. doi: 10.1371/journal.pone.0187548. eCollection 2017.
<https://www.ncbi.nlm.nih.gov/pubmed/29117249>

The effect of acute and 7-days dietary nitrate on mechanical efficiency, exercise performance and cardiac biomarkers in patients with chronic obstructive pulmonary disease.

Beijers RJHCG, Huysmans SMD, van de Bool C, Kingma BRM, Verdijk LB, van Loon LJC, Meex SJR, Gosker HR, Schols AMWJ.

Clin Nutr. 2017 Oct 31. pii: S0261-5614(17)31384-5. doi: 10.1016/j.clnu.2017.10.011. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29108664>

Effects of home-based superimposed neuromuscular electrical stimulation in severe chronic obstructive pulmonary disease patients: a randomized controlled clinical trial.

Valenza MC, Torres-Sánchez I, López-López L, Cabrera-Martos I, Ortiz-Rubio A, Valenza-Demet G.
Eur J Phys Rehabil Med. 2017 Nov 16. doi: 10.23736/S1973-9087.17.04745-1. [Epub ahead of print]
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Limiting Factors in Walking Performance of Subjects With COPD.

Sanseverino MA, Pecchiari M, Bona RL, Berton DC, de Queiroz FB, Gruet M, Peyré-Tartaruga LA.
Respir Care. 2017 Nov 21. pii: respcare.05768. doi: 10.4187/respcare.05768. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29162719>

PHYSICAL ACTIVITY

Systemic effects of chronic obstructive pulmonary disease in young-old adults' life-space mobility.

Garcia IFF, Tiuganji CT, Simões MDSMP, Santoro IL, Lunardi AC.
Int J Chron Obstruct Pulmon Dis. 2017 Sep 27;12:2777-2785. doi: 10.2147/COPD.S146041.
eCollection 2017.
<https://www.ncbi.nlm.nih.gov/pubmed/29026295>

The association between objectively measured physical activity and morning symptoms in COPD.

van Buul AR, Kasteleyn MJ, Chavannes NH, Taube C.
Int J Chron Obstruct Pulmon Dis. 2017 Oct 3;12:2831-2840. doi: 10.2147/COPD.S143387.
eCollection 2017.
<https://www.ncbi.nlm.nih.gov/pubmed/29042764>

Validity and Reliability of Accelerometers in Patients With COPD: A SYSTEMATIC REVIEW.

Gore S, Blackwood J, Guyette M, Alsalaheen B.
J Cardiopulm Rehabil Prev. 2017 Nov 8. doi: 10.1097/HCR.000000000000284. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29120966>

Oxygen Desaturation in Daily Life and During a Laboratory-Based Protocol of Activities of Daily Living in COPD: Is There Relationship?

Sant'Anna T, Donária L, Hernandes NA, Furlanetto KC, Barbosa DS, Gosselink R, Pitta F.
Lung. 2017 Nov 13. doi: 10.1007/s00408-017-0068-4. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29134264>

A qualitative study of COPD-patients' experience of a telemedicine intervention.

Nissen L, Lindhardt T.

Int J Med Inform. 2017 Nov;107:11-17. doi: 10.1016/j.ijmedinf.2017.08.004. Epub 2017 Aug 24.

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Development and Feasibility of a Home Pulmonary Rehabilitation Program With Health Coaching.

Benzo RP, Kramer KM, Hoult JP, Anderson PM, Begue IM, Seifert SJ.

Respir Care. 2017 Oct 24. pii: respcare.05690. doi: 10.4187/respcare.05690. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29066590>

Health Coaching in Severe COPD After a Hospitalization: A Qualitative Analysis of a Large Randomized Study.

Benzo RP, Kirsch JL, Hathaway JC, McEvoy CE, Vickers KS.

Respir Care. 2017 Nov;62(11):1403-1411. doi: 10.4187/respcare.05574.

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A case series of an off-the-shelf online health resource with integrated nurse coaching to support self-management in COPD.

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Int J Chron Obstruct Pulmon Dis. 2017 Oct 9;12:2955-2967. doi: 10.2147/COPD.S139532. eCollection 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/29070947>

Advances in Remote Respiratory Assessments for People with Chronic Obstructive Pulmonary Disease: A Systematic Review.

Baroi S, McNamara RJ, McKenzie DK, Gandevia S, Brodie MA.

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<https://www.ncbi.nlm.nih.gov/pubmed/29083268>

Self-Management and Clinical Decision Support for Patients With Complex Chronic Conditions Through the Use of Smartphone-Based Telemonitoring: Randomized Controlled Trial Protocol.

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Patient Related Outcomes-BODE (PRO-BODE): A composite index incorporating health utilization resources predicts mortality and economic cost of COPD in real life.

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<https://www.ncbi.nlm.nih.gov/pubmed/28947025>

Perceived Satisfaction With Long-Term Oxygen Delivery Devices Affects Perceived Mobility and Quality of Life of Oxygen-Dependent Individuals With COPD.

Mussa CC, Tonyan L, Chen YF, Vines D.

Respir Care. 2017 Oct 3. pii: respcare.05487. doi: 10.4187/respcare.05487. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28974643>

The Effect of Music Therapy on Anxiety and Various Physical Findings in Patients With COPD in a Pulmonology Service.

Horuz D, Kurcer MA, Erdoğan Z.

Holist Nurs Pract. 2017 Nov/Dec;31(6):378-383. doi: 10.1097/HNP.000000000000235.

<https://www.ncbi.nlm.nih.gov/pubmed/29028776>

The Effect of Progressive Relaxation Exercises on Fatigue and Sleep Quality in Individuals With COPD.

Yilmaz CK, Kapucu S.

Holist Nurs Pract. 2017 Nov/Dec;31(6):369-377. doi: 10.1097/HNP.000000000000234.

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The importance of symptoms in the longitudinal variability of clusters in COPD patients: A validation study.

de Torres JP, Marin JM, Martinez-Gonzalez C, de Lucas-Ramos P, Cosio B, Casanova C; COPD History Assessment In Spain (CHAIN) cohort.

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Symptom-reducing actions: a concept analysis in the context of chronic obstructive pulmonary disease.

Zakrisson AB.

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<https://www.ncbi.nlm.nih.gov/pubmed/29034812>

Assessing patient-reported outcomes in asthma and COPD patients: which can be recommended in clinical practice?

Kocks JWH, Seys SF, van Duin TS, Diamant Z, Tsiligianni IG.

Curr Opin Pulm Med. 2017 Oct 27. doi: 10.1097/MCP.000000000000447. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29084018>

Two Interventions for Patients with Major Depression and Severe Chronic Obstructive Pulmonary Disease: Impact on Dyspnea-Related Disability.

Alexopoulos GS, Sirey JA, Banerjee S, Jackson DS, Kiosses DN, Pollari C, Novitch RS, Artis A, Raue PJ.

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Longitudinal change of COPD assessment test (CAT) in a telehealthcare cohort is associated with exacerbation risk.

Rassouli F, Baty F, Stolz D, Albrich WC, Tamm M, Widmer S, Brutsche MH.

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INTERSTITIAL LUNG DISEASE

Phenotypic Clusters Predict Outcomes in a Longitudinal Interstitial Lung Disease Cohort.

Adegunsoye A, Oldham JM, Chung JH, Montner SM, Lee C, Witt LJ, Stahlbaum D, Bermea RS, Chen LW, Hsu S, Husain AN, Noth I, Vij R, Streck ME, Churpek M.

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Managing patients with interstitial lung disease: Two more pieces of the puzzle.

Macagno F, Leone PM, Richeldi L.

Respirology. 2017 Oct 4. doi: 10.1111/resp.13195. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28980371>

Effectiveness of pulmonary rehabilitation in patients with interstitial lung disease of different etiology: a multicenter prospective study.

Tonelli R, Cocconcelli E, Lanini B, Romagnoli I, Florini F, Castaniere I, Andrisani D, Cerri S, Luppi F, Fantini R, Marchioni A, Beghè B, Gigliotti F, Clini EM.

BMC Pulm Med. 2017 Oct 10;17(1):130. doi: 10.1186/s12890-017-0476-5.

<https://www.ncbi.nlm.nih.gov/pubmed/29017478>

Palliative care in interstitial lung disease: living well.

Kreuter M, Bendstrup E, Russell AM, Bajwah S, Lindell K, Adir Y, Brown CE, Calligaro G, Cassidy N, Corte TJ, Geissler K, Hassan AA, Johannson KA, Kairalla R, Kolb M, Kondoh Y, Quadrelli S, Swigris J, Udwadia Z, Wells A, Wijisenbeek M.

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<https://www.ncbi.nlm.nih.gov/pubmed/29033267>

Sleep disorders and health-related quality of life in patients with interstitial lung disease.

Mavroudi M, Papakosta D, Kontakiotis T, Domvri K, Kalamaras G, Zarogoulidou V, Zarogoulidis P, Latka P, Huang H, Hohenforst-Schmidt W, Zarogoulidis K.
Sleep Breath. 2017 Oct 16. doi: 10.1007/s11325-017-1579-1. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29038949>

Smoking-Related Interstitial Fibrosis: Evidence of Radiologic Regression with Advancing Age and Smoking Cessation.

Fabre A, Treacy A, Lavelle LP, Narski M, Faheem N, Healy D, Dodd JD, Keane MP, Egan JJ, Jebrak G, Mal H, Butler MW.
COPD. 2017 Oct 18:1-7. doi: 10.1080/15412555.2017.1378631. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29043847>

Lifestyle Behaviors and Clinical Outcomes in Idiopathic Pulmonary Fibrosis.

Vainshelboim B, Oliveira J, Izhakian S, Unterman A, Kramer MR.
Respiration. 2017 Oct 19. doi: 10.1159/000481202. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29045951>

Psycho-Physiological Associates of Dyspnea in Hospitalized Patients with Interstitial Lung Diseases: A Cross-Sectional Study.

Zhou YH, Mak YW.
Int J Environ Res Public Health. 2017 Oct 24;14(10). pii: E1277. doi: 10.3390/ijerph14101277.
<https://www.ncbi.nlm.nih.gov/pubmed/29064440>

Beyond Idiopathic Pulmonary Fibrosis diagnosis: Multidisciplinary care with an early integrated palliative approach is associated with a decrease in acute care utilization and hospital deaths.

Kalluri M, Claveria F, Ainsley E, Haggag M, Armijo-Olivo S, Richman-Eisenstat J.
J Pain Symptom Manage. 2017 Oct 31. pii: S0885-3924(17)30596-1. doi: 10.1016/j.jpainsymman.2017.10.016. [Epub ahead of print]
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Palliative Care in Diffuse Interstitial Lung Disease: Results of a Spanish Survey.

Barril S, Alonso A, Rodríguez-Portal JA, Viladot M, Giner J, Aparicio F, Romero-Ortiz A, Acosta O, Castillo D.
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<https://www.ncbi.nlm.nih.gov/pubmed/29126829>

Phenotypic characteristics associated with slow gait speed in idiopathic pulmonary fibrosis.

Nolan CM, Maddocks M, Maher TM, Canavan JL, Jones SE, Barker RE, Patel S, Jacob J, Cullinan P, Man WD.

Respirology. 2017 Nov 14. doi: 10.1111/resp.13213. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/29139195>

Psychometric validation of the needs assessment tool: progressive disease in interstitial lung disease.

Johnson MJ, Jamali A, Ross J, Fairhurst C, Boland J, Reigada C, Hart SP, Grande G, Currow DC, Wells AU, Bajwah S, Papadopoulos T, Bland JM, Yorke J.

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Physical activity and activity space in patients with pulmonary fibrosis not prescribed supplemental oxygen.

Root ED, Graney B, Baird S, Churney T, Fier K, Korn M, McCormic M, Sprunger D, Vierzba T, Wamboldt FS, Swigris JJ.

BMC Pulm Med. 2017 Nov 23;17(1):154. doi: 10.1186/s12890-017-0495-2.

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ASTHMA

Personalised medicine in asthma: time for action: Number 1 in the Series "Personalised medicine in respiratory diseases" Edited by Renaud Louis and Nicolas Roche.

Chung KF.

Eur Respir Rev. 2017 Sep 27;26(145). pii: 170064. doi: 10.1183/16000617.0064-2017. Print 2017 Sep 30.

<https://www.ncbi.nlm.nih.gov/pubmed/28954768>

Health Related Quality of Life in relation to Asthma - Data from a Cross Sectional Study.

Chung JH, Han CH.

J Asthma. 2017 Oct 4:0. doi: 10.1080/02770903.2017.1387266. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28976222>

Shared decision-making for people with asthma.

Kew KM, Malik P, Aniruddhan K, Normansell R.

Cochrane Database Syst Rev. 2017 Oct 3;10:CD012330. doi: 10.1002/14651858.CD012330.pub2. [Epub ahead of print]

<https://www.ncbi.nlm.nih.gov/pubmed/28972652>

Barriers and facilitators of effective self-management in asthma: systematic review and thematic synthesis of patient and healthcare professional views.

Miles C, Arden-Close E, Thomas M, Bruton A, Yardley L, Hankins M, Kirby SE.
NPJ Prim Care Respir Med. 2017 Oct 9;27(1):57. doi: 10.1038/s41533-017-0056-4.
<https://www.ncbi.nlm.nih.gov/pubmed/28993623>

Vitamin D supplementation to prevent asthma exacerbations: a systematic review and meta-analysis of individual participant data.

Jolliffe DA, Greenberg L, Hooper RL, Griffiths CJ, Camargo CA Jr, Kerley CP, Jensen ME, Mauger D, Stelmach I, Urashima M, Martineau AR.
Lancet Respir Med. 2017 Oct 3. pii: S2213-2600(17)30306-5. doi: 10.1016/S2213-2600(17)30306-5. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/28986128>

Comparative features of Asthma with frequent or infrequent exacerbations: A longitudinal study of retrospective and prospective events.

Boulay MÈ, Pruneau-Pomerleau C, Villeneuve H, Deschesnes F, Ringuette L, Boulet LP.
J Asthma. 2017 Oct 11:1-13. doi: 10.1080/02770903.2017.1323918. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29020468>

Patient-reported outcomes in asthma clinical trials.

Braido F, Baiardini I, Canonica GW.
Curr Opin Pulm Med. 2017 Oct 13. doi: 10.1097/MCP.0000000000000440. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29036017>

Physical Activity and Exercise Capacity in Severe Asthma: Key Clinical Associations.

Cordova-Rivera L, Gibson PG, Gardiner PA, Powell H, McDonald VM.
J Allergy Clin Immunol Pract. 2017 Nov 10. pii: S2213-2198(17)30748-1. doi: 10.1016/j.jaip.2017.09.022. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/pubmed/29133222>

Effects of Exercise and Diet in Nonobese Asthma Patients-A Randomized Controlled Trial.

Toennesen LL, Meteran H, Hostrup M, Wium Geiker NR, Jensen CB, Porsbjerg C, Astrup A, Bangsbo J, Parker D, Backer V.
J Allergy Clin Immunol Pract. 2017 Nov 10. pii: S2213-2198(17)30791-2. doi: 10.1016/j.jaip.2017.09.028. [Epub ahead of print]
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ADVANCED DISEASE / END OF LIFE / PALLIATIVE CARE

Associations between the psychological health of patients and carers in advanced COPD.

Mi E, Mi E, Ewing G, Mahadeva R, Gardener AC, Holt Butcher H, Booth S, Farquhar M.

Int J Chron Obstruct Pulmon Dis. 2017 Sep 30;12:2813-2821. doi: 10.2147/COPD.S139188. eCollection 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/29033562>

Proactive palliative care for patients with COPD (PROLONG): a pragmatic cluster controlled trial.

Duenk RG, Verhagen C, Bronkhorst EM, van Mierlo P, Broeders M, Collard SM, Dekhuijzen P, Vissers K, Heijdra Y, Engels Y.

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