



ERS literature update March-April 2022

Composed for group 1.02 by Anouk W. Vaes, PhD and Sarah Houben-Wilke, PhD of the Department of Research and Development in Ciro, Horn, The Netherlands

PULMONARY REHABILITATION

The effectiveness of home-based balance and pulmonary rehabilitation program in individuals with chronic obstructive pulmonary disease: a randomized controlled trial.

Chuatrakoon B, Uthaikhup S, Ngai SP, Liwsrisakun C, Pothirat C, Sungkarat S.

Eur J Phys Rehabil Med. 2022 Mar 4. doi: 10.23736/S1973-9087.22.07383-X. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35244365/>

Comparison of the Impact of Conventional and Web-Based Pulmonary Rehabilitation on Physical Activity in Patients With Chronic Obstructive Pulmonary Disease: Exploratory Feasibility Study.

Chaplin E, Barnes A, Newby C, Houchen-Wolloff L, Singh SJ.

JMIR Rehabil Assist Technol. 2022 Mar 10;9(1):e28875. doi: 10.2196/28875.

<https://pubmed.ncbi.nlm.nih.gov/35266871/>

Pilot of a community-based interprofessional "student-infused" pulmonary rehabilitation program in Saint John, New Brunswick.

Doucet JR, Fournier TA, Bishop CM, Gaudet DJ, Nagel DA.

Can J Respir Ther. 2021 Mar 17;57:26-31. doi: 10.29390/cjrt-2020-053. eCollection 2021.

<https://pubmed.ncbi.nlm.nih.gov/35295955/>

Access to pulmonary rehabilitation for people from culturally and linguistically diverse communities: A cohort study.

Tang CY, Lavercombe M, Southcott AM, Taylor NF, Blackstock FC.

Health Soc Care Community. 2022 Mar 29. doi: 10.1111/hsc.13807. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35352435/>

Nonlinear Heart Rate Variability in Patients with Chronic Obstructive Pulmonary Disease and Changes after 4-week Comprehensive Inpatient Pulmonary Rehabilitation.

Zivanovic I, Zupanic E, Avbelj V, Zibert J, Lainscak M, Kalisnik JM.

Nonlinear Dynamics Psychol Life Sci. 2022 Apr;26(2):149-162.

<https://pubmed.ncbi.nlm.nih.gov/35366220/>

Design and delivery of home-based telehealth pulmonary rehabilitation programs in COPD: A systematic review and meta-analysis.

Michaelchuk W, Oliveira A, Marzolini S, Nonoyama M, Maybank A, Goldstein R, Brooks D.

Int J Med Inform. 2022 Mar 31;162:104754. doi: 10.1016/j.ijmedinf.2022.104754. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35395474/>

Implementing a choice of pulmonary rehabilitation models in chronic obstructive pulmonary disease (HomeBase2 trial): protocol for a cluster randomised controlled trial.

Holland AE, Jones AW, Mahal A, Lannin NA, Cox N, Hepworth G, O'Halloran P, McDonald CF. BMJ Open. 2022 Apr 11;12(4):e057311. doi: 10.1136/bmjopen-2021-057311.

<https://pubmed.ncbi.nlm.nih.gov/35410931/>

The effectiveness of short-term pulmonary rehabilitation program in patients with comorbid asthma, chronic obstructive pulmonary disease and obesity.

Huivaniuk O, Stupnytska H, Fediv O, Bocharov A.

J Med Life. 2022 Feb;15(2):196-201. doi: 10.25122/jml-2021-0050.

<https://pubmed.ncbi.nlm.nih.gov/35419107/>

Evaluation of YouTube Videos as a Source of Information on Pulmonary Rehabilitation for COPD.

Yoo M, Bang MH, Jang CW.

Respir Care. 2022 May;67(5):534-542. doi: 10.4187/respcare.09651.

<https://pubmed.ncbi.nlm.nih.gov/35473848/>

Community-Based Pulmonary Rehabilitation Programs in Individuals With COPD.

Barbosa M, Andrade R, de Melo CA, Torres R.

Respir Care. 2022 May;67(5):579-593. doi: 10.4187/respcare.09627.

<https://pubmed.ncbi.nlm.nih.gov/35473839/>

Effectiveness of home-based pulmonary rehabilitation programs for patients with chronic obstructive pulmonary disease (COPD): systematic review.

Stafinski T, Nagase FI, Avdagovska M, Stickland MK, Menon D.

BMC Health Serv Res. 2022 Apr 26;22(1):557. doi: 10.1186/s12913-022-07779-9.

<https://pubmed.ncbi.nlm.nih.gov/35473597/>

SPACE FOR COPD delivered as a maintenance programme on pulmonary rehabilitation discharge: protocol of a randomised controlled trial evaluating the long-term effects on exercise tolerance and mental well-being.

Alqahtani KA, Gerlis C, Nolan CM, Gardiner N, Szczepura A, Man W, Singh SJ, Houchen-Wolloff L.

BMJ Open. 2022 Apr 25;12(4):e055513. doi: 10.1136/bmjopen-2021-055513.

<https://pubmed.ncbi.nlm.nih.gov/35470190/>

EXERCISE TESTING AND TRAINING

Phenotyping Cardiopulmonary Exercise Limitations in Chronic Obstructive Pulmonary Disease.

Gelinas J, Harper M, Sasso J, Wright S, Melzer B, Agar G, Guenette J, duManoir G, Roman M, Rolf JD, Eves N.

Front Physiol. 2022 Feb 15;13:816586. doi: 10.3389/fphys.2022.816586. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35242051/>

The relationship between peak inspiratory flow and hand grip strength measurement in men with mild chronic obstructive pulmonary disease.

Tsuburai T, Komase Y, Tsuruoka H, Oyama B, Muraoka H, Hida N, Kobayashi T, Matsushima S. BMC Pulm Med. 2022 Feb 17;22(1):65. doi: 10.1186/s12890-022-01858-7.
<https://pubmed.ncbi.nlm.nih.gov/35177056/>

A pilot crossover trial assessing the exercise performance patients chronic obstructive pulmonary disease.

Chao KY, Liu WL, Nassef Y, Lai PZ, Wang JS. Sci Rep. 2022 Mar 9;12(1):4158. doi: 10.1038/s41598-022-07698-z.
<https://pubmed.ncbi.nlm.nih.gov/35264615/>

Assessments and Targeted Rehabilitation Therapies for Diaphragmatic Dysfunction in Patients with Chronic Obstructive Pulmonary Disease: A Narrative Review.

Chen Y, Li P, Wang J, Wu W, Liu X. Int J Chron Obstruct Pulmon Dis. 2022 Mar 3;17:457-473. doi: 10.2147/COPD.S338583. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35273448/>

A randomized, crossover, placebo controlled, double blind trial of the effects of tiotropium-olodaterol on neuromuscular performance during exercise in COPD.

Cao M, Calmelat RA, Kierstead P, Carraro N, Stringer WW, Porszasz J, Casaburi R, Rossiter HB. J Appl Physiol (1985). 2022 Mar 24. doi: 10.1152/jappphysiol.00332.2021. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35323052/>

Use of a Wearable Biosensor to Study Heart Rate Variability in Chronic Obstructive Pulmonary Disease and Its Relationship to Disease Severity.

Park SC, Saiphoklang N, Jung D, Gomez D, Phillips JE, Dolezal BA, Tashkin DP, Barjaktarevic I, Cooper CB. Sensors (Basel). 2022 Mar 15;22(6):2264. doi: 10.3390/s22062264.
<https://pubmed.ncbi.nlm.nih.gov/35336436/>

Impaired Ventilatory Efficiency, Dyspnea and Exercise Intolerance in Chronic Obstructive Pulmonary Disease: Results from the CanCOLD Study.

Phillips DB, Elbehairy AF, James MD, Vincent SG, Milne KM, de-Torres JP, Neder JA, Kirby M, Jensen D, Stickland MK, Guenette JA, Smith BM, Aaron SD, Tan WC, Bourbeau J, O'Donnell DE; CanCOLD Collaborative Research Group and the Canadian Respiratory Research Network. Am J Respir Crit Care Med. 2022 Mar 25. doi: 10.1164/rccm.202109-2171OC. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35333135/>

Effectiveness of 12-week inspiratory muscle training with manual therapy in patients with COPD: A randomized controlled study.

Buran Cirak Y, Yilmaz Yelvar GD, Durustkan Elbasi N.
Clin Respir J. 2022 Mar 24. doi: 10.1111/crj.13486. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35332685/>

Stronger correlation of peak oxygen uptake with distance of incremental shuttle walk test than 6-min walk test in patients with COPD: a systematic review and meta-analysis.

Chae G, Ko EJ, Lee SW, Kim HJ, Kwak SG, Park D, Ra SW.
BMC Pulm Med. 2022 Mar 24;22(1):102. doi: 10.1186/s12890-022-01897-0.
<https://pubmed.ncbi.nlm.nih.gov/35331171/>

Electrical activity and fatigue of respiratory and locomotor muscles in obstructive respiratory diseases during field walking test.

Cavalcanti JD, Fregonezi GAF, Sarmento AJ, Bezerra T, Gualdi LP, Pennati F, Aliverti A, Resqueti VR.
PLoS One. 2022 Apr 1;17(4):e0266365. doi: 10.1371/journal.pone.0266365. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35363800/>

A basic tool to determine exercise capacity in COPD: 4-meter gait speed.

Karcioğlu O, Sarınc Ulaşlı S, Demir AU.
Tuberk Toraks. 2022 Mar;70(1):54-62. doi: 10.5578/tt.20229907.
<https://pubmed.ncbi.nlm.nih.gov/35362305/>

Intra- and Inter-Rater Reproducibility of the Face-to-Face and Tele-Assessment of Timed-up and Go and 5-Times Sit-to-Stand Tests in Patients with Chronic Obstructive Pulmonary Disease.

Ozsoy I, Kodak MI, Kararti C, Ozsoy G, Erturk A, Kahraman T.
COPD. 2022;19(1):125-132. doi: 10.1080/15412555.2022.2038119.
<https://pubmed.ncbi.nlm.nih.gov/35385377/>

Effect of neuromuscular electrical stimulation on exercise capacity in patients with severe chronic obstructive pulmonary disease: A randomised controlled trial.

Péran L, Beaumont M, Le Ber C, Le Mevel P, Berriet AC, Nowak E, Consigny M, Couturaud F.
Clin Rehabil. 2022 Apr 11:2692155221091802. doi: 10.1177/02692155221091802. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35404157/>

Prognostic value of key variables from cardiopulmonary exercise testing in patients with COPD: 42-month follow-up.

da Luz Goulart C, Oliveira MR, Sendín FA, Mendes RG, Arena R, Borghi-Silva A.
Respir Med. 2022 Apr 19;197:106856. doi: 10.1016/j.rmed.2022.106856. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35461168/>

Effects of traditional mind-body movement therapy on chronic cardiopulmonary dyspnoea: a systematic review and meta-analysis.

Zhang T, Zhou R, Wang T, Xin Y, Liu X, Huang H.

Thorax. 2022 Apr 28;thoraxjnl-2021-218030. doi: 10.1136/thoraxjnl-2021-218030. Online ahead of print. PMID: 35483892
<https://pubmed.ncbi.nlm.nih.gov/35483892/>

PHYSICAL ACTIVITY

Physical activity end-points in trials of chronic respiratory diseases: summary of evidence.

Rist C, Karlsson N, Necander S, Da Silva CA.

ERJ Open Res. 2022 Mar 14;8(1):00541-2021. doi: 10.1183/23120541.00541-2021.

<https://pubmed.ncbi.nlm.nih.gov/35295234/>

The untapped potential of physical activity monitoring for quality assurance of field-based walking tests in clinical respiratory trials.

Orme MW, Pina I, Singh SJ.

Chron Respir Dis. 2022 Jan-Dec;19:14799731221089318. doi: 10.1177/14799731221089318.

<https://pubmed.ncbi.nlm.nih.gov/35380873/>

Quantifying the Effect of Monitor Wear Time and Monitor Type on the Estimate of Sedentary Time in People with COPD: Systematic Review and Meta-Analysis.

Coll F, Cavalheri V, Gucciardi DF, Wulff S, Hill K.

J Clin Med. 2022 Apr 1;11(7):1980. doi: 10.3390/jcm11071980.

<https://pubmed.ncbi.nlm.nih.gov/35407588/>

Measuring intensity during free-living physical activities in people with chronic obstructive pulmonary disease: A systematic literature review.

Rebelo P, Brooks D, Marques A.

Ann Phys Rehabil Med. 2022 Mar;65(2):101607. doi: 10.1016/j.rehab.2021.101607.

<https://pubmed.ncbi.nlm.nih.gov/34818590/>

Effects of a Pedometer-Based Walking Program in Patients with COPD-A Pilot Study.

Chen YH, Chen LR, Tsao CC, Chen YC, Huang CC.

Medicina (Kaunas). 2022 Mar 29;58(4):490. doi: 10.3390/medicina58040490.

<https://pubmed.ncbi.nlm.nih.gov/35454330/>

Using a smartphone application maintains physical activity following pulmonary rehabilitation in patients with COPD: a randomised controlled trial.

Spielmanns M, Gloeckl R, Jarosch I, Leitl D, Schneeberger T, Boeselt T, Huber S, Kaur-Bollinger P, Ulm B, Mueller C, Bjoerklund J, Spielmanns S, Windisch W, Pekacka-Egli AM, Koczulla AR.

Thorax. 2022 Apr 21;thoraxjnl-2021-218338. doi: 10.1136/thoraxjnl-2021-218338. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35450945/>

Systematic Review of Physical Activity, Sedentary Behaviour and Sleep Among Adults Living with Chronic Respiratory Disease in Low- and Middle-Income Countries.

Jayamaha AR, Jones AV, Katagira W, Girase B, Yusuf ZK, Pina I, Wilde LJ, Akylbekov A, Divall P, Singh SJ, Orme MW.

Int J Chron Obstruct Pulmon Dis. 2022 Apr 18;17:821-854. doi: 10.2147/COPD.S345034.
eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/35469273/>

TELEMEDICINE*

**Composed in collaboration with Dr. Vitalii Poberezhets (Chair of Group 01.04 - m-Health/e-health)*

Digital healthcare in COPD management: a narrative review on the advantages, pitfalls, and need for further research.

Watson A, Wilkinson TMA.

Ther Adv Respir Dis. 2022 Jan-Dec;16:17534666221075493. doi:

10.1177/17534666221075493.

<https://pubmed.ncbi.nlm.nih.gov/35234090/>

Participatory methods in a digital setting: experiences from the co-creation of an eHealth tool for people with chronic obstructive pulmonary disease.

Lundell S, Toots A, Sönnerrfors P, Halvarsson A, Wadell K.

BMC Med Inform Decis Mak. 2022 Mar 18;22(1):68. doi: 10.1186/s12911-022-01806-9.

<https://pubmed.ncbi.nlm.nih.gov/35303895/>

Prediction of Chronic Obstructive Pulmonary Disease Exacerbation Events by Using Patient Self-reported Data in a Digital Health App: Statistical Evaluation and Machine Learning Approach.

Chmiel FP, Burns DK, Pickering JB, Blythin A, Wilkinson TM, Boniface MJ.

JMIR Med Inform. 2022 Mar 21;10(3):e26499. doi: 10.2196/26499.

<https://pubmed.ncbi.nlm.nih.gov/35311685/>

Development of a Remote Health Monitoring System to Prevent Frailty in Elderly Home-Care Patients with COPD.

Ohashi C, Akiguchi S, Ohira M.

Sensors (Basel). 2022 Mar 30;22(7):2670. doi: 10.3390/s22072670.

<https://pubmed.ncbi.nlm.nih.gov/35408284/>

Nurses' experiences of using AsthmaTuner - an eHealth self-management system for healthcare of patients with asthma.

Schoultz K, Svensson A, Emilsson M.

Digit Health. 2022 Apr 11;8:20552076221092542. doi: 10.1177/20552076221092542.

eCollection 2022 Jan-Dec.

<https://pubmed.ncbi.nlm.nih.gov/35433019/>

Remote Monitoring for Prediction and Management of Acute Exacerbations in Chronic Obstructive Pulmonary Disease (AECOPD).

Pépin JL, Degano B, Tamisier R, Viglino D.

Life (Basel). 2022 Mar 29;12(4):499. doi: 10.3390/life12040499.

<https://pubmed.ncbi.nlm.nih.gov/35454991/>

A proof of concept for continuous, non-invasive, free-living vital signs monitoring to predict readmission following an acute exacerbation of COPD: a prospective cohort study.

Hawthorne G, Richardson M, Greening NJ, Eslinger D, Briggs-Price S, Chaplin EJ, Clinch L, Steiner MC, Singh SJ, Orme MW.

Respir Res. 2022 Apr 26;23(1):102. doi: 10.1186/s12931-022-02018-5.

<https://pubmed.ncbi.nlm.nih.gov/35473718/>

Clinical implementation of an algorithm for predicting exacerbations in patients with COPD in telemonitoring: a study protocol for a single-blinded randomized controlled trial.

Secher PH, Hangaard S, Kronborg T, Hæsum LKE, Udsen FW, Hejlesen O, Bender C.

Trials. 2022 Apr 26;23(1):356. doi: 10.1186/s13063-022-06292-y.

<https://pubmed.ncbi.nlm.nih.gov/35473589/>

PATIENT REPORTED OUTCOME MEASURES

Adding Granularity of COPD Self-Management to Impact Quality of Life.

Benzo MV, Novotny P, Benzo RP.

Chronic Obstr Pulm Dis. 2022 Mar 8. doi: 10.15326/jcopdf.2021.0277. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35259291/>

Comparison of predictive value of CAT and change in CAT in the short term for future exacerbation of chronic obstructive pulmonary disease.

Lin L, Song Q, Cheng W, Liu C, Zhao YY, Duan JX, Li J, Liu D, Li X, Chen Y, Cai S, Chen P.

Ann Med. 2022 Dec;54(1):875-885. doi: 10.1080/07853890.2022.2055134.

<https://pubmed.ncbi.nlm.nih.gov/35341416/>

Synergistic Impact of the Symptom Cluster on Health-Related Quality of Life in Patients With Chronic Obstructive Pulmonary Disease: A Secondary Data Analysis.

Fei F, Koffman J, Zhang X, Gao W.

Clin Nurs Res. 2022 Apr 1:10547738221085765. doi: 10.1177/10547738221085765. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35362332/>

Development and Validation of a Screening Questionnaire of COPD from a Large Epidemiological Study in China.

Wang D, Fan G, Wu S, Yang T, Xu J, Yang L, Zhao J, Zhang X, Bai C, Kang J, Ran P, Shen H, Wen F, Huang K, Chen Y, Sun T, Shan G, Lin Y, Xu G, Wang R, Shi Z, Xu Y, Ye X, Song Y, Wang Q, Zhou Y, Li W, Ding L, Wan C, Yao W, Guo Y, Xiao F, Lu Y, Peng X, Zhang B, Xiao D, Wang Z, Bu X, Zhang H, Zhang X, An L, Zhang S, Zhu J, Cao Z, Zhan Q, Yang Y, Liang L, Dai H, Cao B, He J, Wang C; China Pulmonary Health (CPH) Study Group.

COPD. 2022;19(1):118-124. doi: 10.1080/15412555.2022.2042504.

<https://pubmed.ncbi.nlm.nih.gov/35385369/>

Characterizing COPD Symptom Variability in the Stable State Utilizing the Evaluating Respiratory Symptoms in COPD Questionnaire.

Krishnan JK, Ancy KM, Oromendia C, Hoffman KL, Easthausen I, Leidy NK, Han MK, Bowler RP, Christenson SA, Couper DJ, Criner GJ, Curtis JL, Dransfield MT, Hansel NN, Iyer AS, Paine Iii R, Peters SP, Wedzicha JA, Woodruff PG, Ballman KV, Martinez FJ; SPIROMICS Investigators.

Chronic Obstr Pulm Dis. 2022 Apr 9. doi: 10.15326/jcopdf.2021.0263. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35403414/>

Establishing Quality of Life in Southern Taiwan COPD Patients Using Long-Acting Bronchodilator.

Chin PQ, Sheu CC, Tsai JR, Chang HL, Lee LY, Chen CY.

Patient Prefer Adherence. 2022 Apr 5;16:875-886. doi: 10.2147/PPA.S355023. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/35411135/>

Accuracy of the COPD diagnostic questionnaire as a screening tool in primary care.

Pagano L, McKeough Z, Wootton S, Zwar N, Dennis S.

BMC Prim Care. 2022 Apr 14;23(1):78. doi: 10.1186/s12875-022-01685-z.

<https://pubmed.ncbi.nlm.nih.gov/35421929/>

The Korean-Lung Information Needs Questionnaire: Translation, validation and clinical implications in comprehensive pulmonary rehabilitation.

Kim SH, Park HE, Yoon JA, Shin YB, Shin MJ, Kong IJ, Kim KU.

Clin Respir J. 2022 Apr 26. doi: 10.1111/crj.13487. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35472825/>

INTERSTITIAL LUNG DISEASE

Responsiveness and meaningful change thresholds of the Living with Pulmonary Fibrosis (L-PF) questionnaire Dyspnoea and Cough scores in patients with progressive fibrosing interstitial lung diseases.

Swigris JJ, Bushnell DM, Rohr K, Mueller H, Baldwin M, Inoue Y.

BMJ Open Respir Res. 2022 Mar;9(1):e001167. doi: 10.1136/bmjresp-2021-001167.

<https://pubmed.ncbi.nlm.nih.gov/35241434/>

Association of BMI with pulmonary function, functional capacity, symptoms, and quality of life in ILD.

Schaeffer MR, Kumar DS, Assayag D, Fisher JH, Johannson KA, Khalil N, Kolb M, Manganas H, Marcoux VS, Guenette JA, Ryerson CJ.

Respir Med. 2022 Mar 5;195:106792. doi: 10.1016/j.rmed.2022.106792. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35272261/>

Nutritional assessment in idiopathic pulmonary fibrosis: a prospective multicentre study.

Faverio P, Fumagalli A, Conti S, Madotto F, Bini F, Harari S, Mondoni M, Oggionni T, Barisione E, Ceruti P, Papetti MC, Bodini BD, Caminati A, Valentino A, Centanni S, Noè D, Della Zoppa M, Crotti S, Grosso M, Sukkar SG, Modena D, Andreoli M, Nicali R, Suigo G, De Giacomi F, Busnelli S, Cattaneo E, Mantovani LG, Cesana G, Pesci A, Luppi F.

ERJ Open Res. 2022 Mar 7;8(1):00443-2021. doi: 10.1183/23120541.00443-2021.
<https://pubmed.ncbi.nlm.nih.gov/35265706/>

Occurrence of Idiopathic Pulmonary Fibrosis in Italy: Latest Evidence from Real-World Data.

Iommi M, Bonifazi M, Faragalli A, Latini LL, Mei F, Spazzafumo L, Skrami E, Ferrante L, Carle F, Gesuita R.

Int J Environ Res Public Health. 2022 Feb 22;19(5):2510. doi: 10.3390/ijerph19052510.
<https://pubmed.ncbi.nlm.nih.gov/35270205/>

Cardiorespiratory responses to muscle metaboreflex activation in fibrosing interstitial lung disease.

Chen C, Kolbe J, Wilsher ML, De Boer S, Paton JFR, Fisher JP.

Exp Physiol. 2022 Mar 17. doi: 10.1113/EP090252. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35298060/>

Comorbidities in unclassifiable interstitial lung disease.

Prior TS, Hyldgaard C, Torrisi SE, Kronborg-White S, Ganter C, Bendstrup E, Kreuter M. Respir Res. 2022 Mar 16;23(1):59. doi: 10.1186/s12931-022-01981-3.

<https://pubmed.ncbi.nlm.nih.gov/35296320/>

Prevalence and prognosis of chronic fibrosing interstitial lung diseases with a progressive phenotype.

Takei R, Brown KK, Yamano Y, Kataoka K, Yokoyama T, Matsuda T, Kimura T, Suzuki A, Furukawa T, Fukuoka J, Johkoh T, Goto Y, Kondoh Y.

Respirology. 2022 Mar 15. doi: 10.1111/resp.14245. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35293077/>

Mortality and survival in idiopathic pulmonary fibrosis: a systematic review and meta-analysis.

Zheng Q, Cox IA, Campbell JA, Xia Q, Otahal P, de Graaff B, Corte TJ, Teoh AKY, Walters EH, Palmer AJ.

ERJ Open Res. 2022 Mar 14;8(1):00591-2021. doi: 10.1183/23120541.00591-2021.
<https://pubmed.ncbi.nlm.nih.gov/35295232/>

Responsiveness and meaningful change thresholds of the Living with Pulmonary Fibrosis (L-PF) questionnaire Dyspnoea and Cough scores in patients with progressive fibrosing interstitial lung diseases.

Swigris JJ, Bushnell DM, Rohr K, Mueller H, Baldwin M, Inoue Y.

BMJ Open Respir Res. 2022 Mar;9(1):e001167. doi: 10.1136/bmjresp-2021-001167.
<https://pubmed.ncbi.nlm.nih.gov/35241434/>

Investigation of clinical predictors of survival in idiopathic pulmonary fibrosis patients- a cohort study in Taiwan.

Tseng CM, Chen MY, Kao CY, Tao CW.

J Chin Med Assoc. 2022 Mar 31. doi: 10.1097/JCMA.0000000000000719. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35353790/>

Management of BMI Is a Potential New Approach for the Prevention of Idiopathic Pulmonary Fibrosis.

Ma Y, Feng C, Tang H, Deng P, Li Y, Wang J, Zhu S, Zhu L.

Front Genet. 2022 Mar 11;13:821029. doi: 10.3389/fgene.2022.821029. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/35360873/>

Impact of end-of-life respiratory modalities on quality of dying and death and symptom relief in patients with interstitial lung disease: a multicenter descriptive cross-sectional study.

Koyachi T, Suzuki Y, Sato K, Hozumi H, Karayama M, Furuhashi K, Fujisawa T, Enomoto N, Nakamura Y, Inui N, Yokomura K, Imokawa S, Nakamura H, Morita T, Suda T.

Respir Res. 2022 Apr 4;23(1):79. doi: 10.1186/s12931-022-02004-x.

<https://pubmed.ncbi.nlm.nih.gov/35379240/>

Chronic Obstructive Pulmonary Disease Combined with Interstitial Lung Disease.

Choi JY, Song JW, Rhee CK.

Tuberc Respir Dis (Seoul). 2022 Apr;85(2):122-136. doi: 10.4046/trd.2021.0141. Epub 2022 Jan 27.

<https://pubmed.ncbi.nlm.nih.gov/35385639/>

Clustering of lung diseases in the family of interstitial lung disease patients.

Terwiel M, Grutters JC, van Moorsel CHM.

BMC Pulm Med. 2022 Apr 7;22(1):134. doi: 10.1186/s12890-022-01927-x.

<https://pubmed.ncbi.nlm.nih.gov/35392870/>

Quality of Life and Healthcare Resource Use in a Real-world Patient Population with Idiopathic Pulmonary Fibrosis: The PROOF Registry.

Wuyts WA, Dahlqvist C, Slabbynck H, Schlessler M, Gusbin N, Compere C, Maddens S, Rizzo S, Kirchgaessler KU, Bartley K, Bondue B.

Pulm Ther. 2022 Apr 16. doi: 10.1007/s41030-022-00187-8. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/35429319/>

Challenging the Evidence for Pulmonary Rehabilitation in Pulmonary Fibrosis: Is Good, Enough?

Osadnik CR.

Chest. 2022 Mar;161(3):599-600. doi: 10.1016/j.chest.2021.11.017.

<https://pubmed.ncbi.nlm.nih.gov/35256077/>

Walk a Mile in My Shoes: Assessing the Importance of Pulmonary Rehabilitation in Idiopathic Pulmonary Fibrosis.

Sklar MC, Grieco DL.

Chest. 2022 Mar;161(3):597-598. doi: 10.1016/j.chest.2021.11.018.

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