



ERS literature update January-February 2021

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

Validation of Clinical Characteristics and Effectiveness of Pulmonary Rehabilitation in a COPD Population with Discrepancy between Exercise Tolerance and FEV1.

Horie J, Takahashi K, Shiranita S, Anami K, Hayashi S.

Healthcare (Basel). 2021 Jan 6;9(1):E53. doi: 10.3390/healthcare9010053.

<https://pubmed.ncbi.nlm.nih.gov/33419024/>

Adherence to walking exercise prescription during pulmonary rehabilitation in COPD with a commercial activity monitor: a feasibility trial.

Ward S, Orme M, Zatloukal J, Singh S.

BMC Pulm Med. 2021 Jan 18;21(1):30. doi: 10.1186/s12890-021-01406-9.

<https://pubmed.ncbi.nlm.nih.gov/33461515/>

Characteristics of Pulmonary Rehabilitation Programs Following an Exacerbation of Chronic Obstructive Pulmonary Disease: A SYSTEMATIC REVIEW.

Wageck B, Cox NS, T Lee JY, Romero L, Holland AE.

J Cardiopulm Rehabil Prev. 2021 Jan 25. doi: 10.1097/HCR.0000000000000570. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33512978/>

Patients with COPD: Exploring patients' coping ability during an interdisciplinary pulmonary rehabilitation programme: A qualitative focus group study.

Steen Abrahamsen C, Mandt Lang-Ree H, Halvorsen K, Meling Stenbakken C.

J Clin Nurs. 2021 Feb 8. doi: 10.1111/jocn.15700. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33555629/>

Predictors of pulmonary rehabilitation completion in the UK.

Stone PW, Hickman K, Steiner MC, Roberts CM, Quint JK, Singh SJ.

ERJ Open Res. 2021 Feb 8;7(1):00509-2020. doi: 10.1183/23120541.00509-2020. eCollection 2021 Jan.

<https://pubmed.ncbi.nlm.nih.gov/33585658/>

A Promising Intervention for Comprehensive Pulmonary Rehabilitation for Asthma COPD Overlap Syndrome.

Ahmedy F, Hayati F, Rahim SSSA, Payus AO.

Oman Med J. 2021 Jan 31;36(1):e232. doi: 10.5001/omj.2021.14. eCollection 2021 Jan.

<https://pubmed.ncbi.nlm.nih.gov/33628466/>

Evaluation of the Efficacy of Immersive Virtual Reality Therapy as a Method Supporting Pulmonary Rehabilitation: A Randomized Controlled Trial.

Rutkowski S, Szczegielniak J, Szczepańska-Gieracha J.

J Clin Med. 2021 Jan 18;10(2):E352. doi: 10.3390/jcm10020352.

<https://pubmed.ncbi.nlm.nih.gov/33477733/>

EXERCISE TESTING AND TRAINING

Cardiovascular risk prediction using physical performance measures in COPD: results from a multicentre observational study.

Fermont JM, Fisk M, Bolton CE, MacNee W, Cockcroft JR, Fuld J, Cheriyan J, Mohan D, Mäki-Petäjä KM, Al-Hadithi AB, Tal-Singer R, Müllerova H, Polkey MI, Wood AM, McEniery CM, Wilkinson IB; ERICA consortium.

BMJ Open. 2020 Dec 28;10(12):e038360. doi: 10.1136/bmjopen-2020-038360.

<https://pubmed.ncbi.nlm.nih.gov/33372069/>

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. doi:

10.1249/MSS.0000000000002578. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33394897/>

Inhaled nitric oxide improves ventilatory efficiency and exercise capacity in patients with mild COPD: A randomized-control crossover trial.

Phillips DB, Brotto AR, Ross BA, Bryan TL, Wong EYL, Meah VL, Fuhr DP, van Diepen S, Stickland MK.

J Physiol. 2021 Jan 11. doi: 10.1113/JP280913. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33428233/>

Baseline Characteristics of Subjects with Chronic Obstructive Pulmonary Disease Associated to the Improvement in Activities of Daily Living after Exercise Training.

Gulart AA, Martins ACB, Tressoldi C, Cani KC, de Araujo CLP, Dal Lago P, Mayer AF.

COPD. 2021 Jan 11;1-20. doi: 10.1080/15412555.2020.1868421. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33427517/>

Association of exercise capacity and endothelial function in patients with severe exacerbations of chronic obstructive pulmonary disease.

Kabbach EZ, Heubel AD, da Luz Goulart C, Pires Di Lorenzo VA, Phillips SA, Borghi-Silva A, Gonçalves Mendes R.

Sci Rep. 2021 Jan 11;11(1):461. doi: 10.1038/s41598-020-80601-w.

<https://pubmed.ncbi.nlm.nih.gov/33432116/>

Effect of an unsupervised walking program on tolerance to exercise in patients with chronic obstructive pulmonary disease.

Martin-Deleon R, Jurado-Garcia A, Arenas-De Larriva MDS, Feu-Collado N, Santos-Luna F, Jurado-Gamez B.

J Thorac Dis. 2020 Dec;12(12):7494-7497. doi: 10.21037/jtd-20-2272.

<https://pubmed.ncbi.nlm.nih.gov/33447437/>

Exercise-based interventions for Indigenous adults with chronic lung disease in Australia, Canada, New Zealand, and USA: a systematic review.

Meharg DP, Gwynne K, Gilroy J, Alison JA.

J Thorac Dis. 2020 Dec;12(12):7442-7453. doi: 10.21037/jtd-20-1904.

<https://pubmed.ncbi.nlm.nih.gov/33447432/>

Exercise Training in Chronic Obstructive Pulmonary Disease: Muscle O(2) Transport Plasticity.

Broxterman RM, Wagner PD, Richardson RS.

Eur Respir J. 2021 Jan 14:2004146. doi: 10.1183/13993003.04146-2020. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33446612/>

Cardiorespiratory coupling is associated with exercise capacity in patients with chronic obstructive pulmonary disease.

Huang YC, Lin TY, Wu HT, Chang PJ, Lo CY, Wang TY, Kuo CS, Lin SM, Chung FT, Lin HC, Hsieh MH, Lo YL.

BMC Pulm Med. 2021 Jan 12;21(1):22. doi: 10.1186/s12890-021-01400-1.

<https://pubmed.ncbi.nlm.nih.gov/33435937/>

Is the 1-Minute Sit-To-Stand Test a Good Tool to Evaluate Exertional Oxygen Desaturation in Chronic Obstructive Pulmonary Disease?

Fernandes AL, Neves I, Luís G, Camilo Z, Cabrita B, Dias S, Ferreira J, Simão P.

Diagnostics (Basel). 2021 Jan 22;11(2):159. doi: 10.3390/diagnostics11020159.

<https://pubmed.ncbi.nlm.nih.gov/33499088/>

Multidimensional breathlessness response to exercise: Impact of COPD and healthy ageing.

Lewthwaite H, Li PZ, O'Donnell DE, Jensen D.

Respir Physiol Neurobiol. 2021 Jan 23:103619. doi: 10.1016/j.resp.2021.103619. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33497795/>

Minimal Clinically Important Difference for Quadriceps Muscle Strength in People with COPD following Pulmonary Rehabilitation.

Oliveira A, Rebelo P, Paixão C, Jácome C, Cruz J, Martins V, Simão P, Brooks D, Marques A.

COPD. 2021 Feb 3:1-16. doi: 10.1080/15412555.2021.1874897. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33533285/>

Application of the Modified Incremental Step Test for Pulmonary Rehabilitation.

Burge AT, Rodrigues JC, Abramson MJ, Cox NS, Bondarenko J, Webb E, Marceau T, Handley E, Macdonald H, Askin A, Calasans GASA, do Amaral DP, Dreger J, Corso SD, Holland AE. Phys Ther. 2021 Feb 1:pzab044. doi: 10.1093/ptj/pzab044. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33528020/>

Challenges of evaluating the effect of exercise training on salivary IgA in people with COPD.

Cox NS, McDonald CF, Gleeson M, Wood L, Hall S, Hill C, Bondarenko J, Holland AE. Clin Respir J. 2021 Feb 6. doi: 10.1111/crj.13337. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33548086/>

The effect of unsupported arm elevations on regional chest wall volumes and thoracoabdominal asynchrony in patients with chronic obstructive pulmonary disease.

Kruapanich C, Tantisuwat A, Thaveeratitham P, Lertmaharit S, Ubolnuar N, Chimpalee J, Mathiyakom W. Physiother Theory Pract. 2021 Feb 8;1-13. doi: 10.1080/09593985.2021.1882018. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33555228/>

Handgrip Strength in People With Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-Analysis.

Holden M, Fyfe M, Poulin C, Bethune B, Church C, Hepburn P, Afreixo V, Brooks D, Oliveira A. Phys Ther. 2021 Feb 9;pzab057. doi: 10.1093/ptj/pzab057. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33561266/>

Functionally Relevant Threshold of Quadriceps Muscle Strength in Patients with Chronic Obstructive Pulmonary Disease.

Iwakura M, Wakasa M, Okura K, Kawagoshi A, Sugawara K, Takahashi H, Shioya T. Prog Rehabil Med. 2021 Feb 6;6:20210008. doi: 10.2490/prm.20210008. eCollection 2021. <https://pubmed.ncbi.nlm.nih.gov/33564729/>

Blood-flow restricted strength training combined with high-load strength and endurance training in pulmonary rehabilitation for COPD: a case report.

Kohlbrenner D, Aregger C, Osswald M, Sievi NA, Clarenbach CF. Phys Ther. 2021 Feb 14:pzab063. doi: 10.1093/ptj/pzab063. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33580965/>

Specific contribution of quadriceps muscle strength, endurance, and power to functional exercise capacity in people with chronic obstructive pulmonary disease: a multicenter study.

Gephine S, Frykholm E, Nyberg A, Mucci P, Van Hees HWH, Lemson A, Klijn P, Maltais F, Saey D. Phys Ther. 2021 Feb 16:pzab052. doi: 10.1093/ptj/pzab052. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33594431/>

Muscle and cerebral oxygenation during cycling in chronic obstructive pulmonary disease: A scoping review.

Miles M, Rodrigues A, Tajali S, Xiong Y, Orchanian-Cheff A, Darlene Reid W, Rozenberg D. Chron Respir Dis. Jan-Dec 2021;18:1479973121993494. doi: 10.1177/1479973121993494. <https://pubmed.ncbi.nlm.nih.gov/33605155/>

Poor Work Efficiency is Associated with Poor Exercise Capacity and Health-Related Quality of Life in Patients with Chronic Obstructive Pulmonary Disease.

Yang SH, Yang MC, Wu YK, Wu CW, Hsieh PC, Kuo CY, Tzeng IS, Lan CC. Int J Chron Obstruct Pulmon Dis. 2021 Feb 10;16:245-256. doi: 10.2147/COPD.S283005. eCollection 2021. <https://pubmed.ncbi.nlm.nih.gov/33603352/>

PHYSICAL ACTIVITY

A Non-Interventional, Cross-Sectional Study to Evaluate Factors Relating to Daily Step Counts and Physical Activity in Japanese Patients with Chronic Obstructive Pulmonary Disease: STEP COPD.

Ichinose M, Minakata Y, Motegi T, Takahashi T, Seki M, Sugaya S, Hayashi N, Kuwahira I. Int J Chron Obstruct Pulmon Dis. 2020 Dec 22;15:3385-3396. doi: 10.2147/COPD.S277782. eCollection 2020. <https://pubmed.ncbi.nlm.nih.gov/33376319/>

Tossing and turning: association of sleep quantity-quality with physical activity in COPD.

Hirata RP, Dala Pola DC, Schneider LP, Bertoche MP, Furlanetto KC, Hernandez NA, Mesas AE, Pitta F. ERJ Open Res. 2020 Dec 21;6(4):00370-2020. doi: 10.1183/23120541.00370-2020. <https://pubmed.ncbi.nlm.nih.gov/33447609/>

Construct Validity of the Brief Physical Activity Assessment Tool for Clinical Use in COPD.

Cruz J, Jácome C, Oliveira A, Paixão C, Rebelo P, Flora S, Januário F, Valente C, Andrade L, Marques A. Clin Respir J. 2021 Jan 23. doi: 10.1111/crj.13333. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33484059/>

Validity and responsiveness of the Daily- and Clinical visit-PROactive Physical Activity in COPD (D-PPAC and C-PPAC) instruments.

Garcia-Aymerich J, Puhan MA, Corriol-Rohou S, de Jong C, Demeyer H, Dobbels F, Erzen D, Frei A, Gimeno-Santos E, Hopkinson NS, Ivanoff N, Karlsson N, Louvaris Z, Polkey MI, Rabinovich RA, Scuri M, Tabberer M, Vogiatzis I, Troosters T, PROactive consortium. Thorax. 2021 Jan 21;thoraxjnl-2020-214554. doi: 10.1136/thoraxjnl-2020-214554. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/33479044/>

A Co-Designed Active Video Game for Physical Activity Promotion in People With Chronic Obstructive Pulmonary Disease: Pilot Trial.

Simmich J, Mandrusiak A, Smith ST, Hartley N, Russell TG. JMIR Serious Games. 2021 Jan 27;9(1):e23069. doi: 10.2196/23069.

<https://pubmed.ncbi.nlm.nih.gov/33502321/>

Physical activity behaviour in people with asthma and COPD overlap residing in Spain: A cross-sectional analysis.

Sánchez Castillo S, Smith L, Díaz Suárez A, López Sánchez GF.

J Asthma. 2021 Feb 10:1-13. doi: 10.1080/02770903.2021.1888977. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33567915/>

Reducing sedentary behavior in individuals with COPD: healthcare professionals' perspectives.

Wshah A, Selzler AM, Ellerton L, Hill K, Brooks D, Goldstein R.

Physiother Theory Pract. 2021 Feb 15:1-12. doi: 10.1080/09593985.2021.1885088. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33586622/>

TELEMEDICINE*

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

Telehealth mitigates COPD disease progression compared to standard of care: a randomized controlled crossover trial.

J Intern Med. 2021 Jan 11. doi: 10.1111/joim.13230. Online ahead of print.

Rassouli F, Germann A, Baty F, Kohler M, Stolz D, Thurnheer R, Brack T, Kähler C, Widmer S, Tschirren U, Sievi NA, Tamm M, Brutsche MH.

<https://pubmed.ncbi.nlm.nih.gov/33428219/>

Implementing Mobile Health-Enabled Integrated Care for Complex Chronic Patients: Intervention Effectiveness and Cost-Effectiveness Study.

JMIR Mhealth Uhealth. 2021 Jan 14;9(1):e22135. doi: 10.2196/22135.

de Batlle J, Massip M, Vargiu E, Nadal N, Fuentes A, Bravo MO, Miralles F, Barbé F, Torres G, CONNECARE-Lleida Group.

<https://pubmed.ncbi.nlm.nih.gov/33443486/>

Assessing the Usefulness of the Preveair Smartphone Application in the Follow-Up High-Risk Patients with COPD.

Rodríguez Hermosa JL, Fuster Gomila A, Puente Maestu L, Amado Diago CA, Callejas

González FJ, Malo De Molina Ruiz R, Fuentes Ferrer ME, Alvarez-Sala JL, Calle Rubio M.

Int J Chron Obstruct Pulmon Dis. 2021 Jan 8;16:53-65. doi: 10.2147/COPD.S279394. eCollection 2021.

<https://pubmed.ncbi.nlm.nih.gov/33447026/>

Telerehabilitation for chronic respiratory disease.

Cox NS, Dal Corso S, Hansen H, McDonald CF, Hill CJ, Zanaboni P, Alison JA, O'Halloran P, Macdonald H, Holland AE.

Cochrane Database Syst Rev. 2021 Jan 29;1:CD013040. doi:

10.1002/14651858.CD013040.pub2.

<https://pubmed.ncbi.nlm.nih.gov/33511633/>

Telerehabilitation in Subjects With Respiratory Disease: A Scoping Review.

Taito S, Yamauchi K, Kataoka Y.

Respir Care. 2021 Feb 2;respcare.08365. doi: 10.4187/respcare.08365. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33531356/>

WeChat as a Platform for Baduanjin Intervention in Patients With Stable Chronic Obstructive Pulmonary Disease in China: Retrospective Randomized Controlled Trial.

Bi J, Yang W, Hao P, Zhao Y, Wei D, Sun Y, Lin Y, Sun M, Chen X, Luo X, Li S, Zhang W, Wang X. JMIR Mhealth Uhealth. 2021 Feb 2;9(2):e23548. doi: 10.2196/23548.

<https://pubmed.ncbi.nlm.nih.gov/33528369/>

Effectiveness of a Mobile Health and Self-Management App for High-Risk Patients With Chronic Obstructive Pulmonary Disease in Daily Clinical Practice: Mixed Methods Evaluation Study.

Kooij L, Vos PJE, Dijkstra A, van Harten WH.

JMIR Mhealth Uhealth. 2021 Feb 4;9(2):e21977. doi: 10.2196/21977.

<https://pubmed.ncbi.nlm.nih.gov/33538699/>

Impact of Technology Based Interventions on Patient Reported Outcomes in Asthma: A Systematic Review.

Doshi H, Hsia B, Mowrey W, Jariwala SP.

J Allergy Clin Immunol Pract. 2021 Feb 3;S2213-2198(21)00155-0. doi:

10.1016/j.jaip.2021.01.027. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33548519/>

Effectiveness of Text Message Reminders on Adherence to Inhaled Therapy in Patients With Asthma: Prospective Multicenter Randomized Clinical Trial.

Almonacid C, Melero C, López Viña A, Cisneros C, Pérez de Llano L, Plaza V, García-Rivero JL, Falcón AR, Ramos J, Bazús González T, Prado AM, Alfonso M.

JMIR Form Res. 2021 Feb 9;5(2):e12218. doi: 10.2196/12218.

<https://pubmed.ncbi.nlm.nih.gov/33560235/>

Effects of person-centred care via telephone on self-efficacy in patients with chronic obstructive pulmonary disease: Subgroup analysis of a randomized controlled trial.

Ali L, Wallström S, Ekman I, Swedberg K, Fors A.

Nurs Open. 2021 Mar;8(2):927-935. doi: 10.1002/nop2.701. Epub 2020 Nov 24.

<https://pubmed.ncbi.nlm.nih.gov/33570304/>

Artificial intelligence/machine learning in respiratory medicine and potential role in asthma and COPD diagnosis.

Kaplan A, Cao H, FitzGerald JM, Iannotti N, Yang E, Kocks JWH, Kostikas K, Price D, Reddel HK, Tsiligianni I, Vogelmeier CF, Pfister P, Mastoridis P.

J Allergy Clin Immunol Pract. 2021 Feb 19;S2213-2198(21)00194-X. doi:

10.1016/j.jaip.2021.02.014. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33618053/>

Can Technology-Based Physical Activity Programs for Chronic Obstructive Pulmonary Disease Be Cost-Effective?

Ney JP, Robinson SA, Richardson CR, Moy ML.

Telemed J E Health. 2021 Feb 24. doi: 10.1089/tmj.2020.0398. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33625893/>

Specialty COPD care during COVID-19: patient and clinician perspectives on remote delivery.

Wu F, Burt J, Chowdhury T, Fitzpatrick R, Martin G, van der Scheer JW, Hurst JR.

BMJ Open Respir Res. 2021 Jan;8(1):e000817. doi: 10.1136/bmjresp-2020-000817. PMID: 33414261; PMCID: PMC7797238.

<https://pubmed.ncbi.nlm.nih.gov/33414261/>

Digital Interventions for Psychological Comorbidities in Chronic Diseases-A Systematic Review.

Maisto M, Diana B, Di Tella S, Matamala-Gomez M, Montana JI, Rossetto F, Mavrodiev PA, Cavalera C, Blasi V, Mantovani F, Baglio F, Realdon O.

J Pers Med. 2021 Jan 6;11(1):30. doi: 10.3390/jpm11010030. PMID: 33418971; PMCID: PMC7825345.

<https://pubmed.ncbi.nlm.nih.gov/33418971/>

Emerging Role of Remote Patient Monitoring in Pulmonary Care: Telemedicine to Smart Phone.

Desai NR, Diamond EJ.

Chest. 2021 Feb;159(2):477-478. doi: 10.1016/j.chest.2020.10.015. PMID: 33563433.

<https://pubmed.ncbi.nlm.nih.gov/33563433/>

Digital Health Technology and Telemedicine-Based Hospital and Home Programs in Pulmonary Medicine During the COVID-19 Pandemic.

Ilowite J, Lisker G, Greenberg H.

Am J Ther. 2021 Feb 3. doi: 10.1097/MJT.0000000000001342. Epub ahead of print. PMID: 33590991.

<https://pubmed.ncbi.nlm.nih.gov/33590991/>

A Mobile App to Support Clinical Diagnosis of Upper Respiratory Problems (eHealthResp): Co-Design Approach.

Moura J, Almeida AMP, Roque F, Figueiras A, Herdeiro MT.

J Med Internet Res. 2021 Jan 28;23(1):e19194. doi: 10.2196/19194. PMID: 33507153; PMCID: PMC7878109.

<https://pubmed.ncbi.nlm.nih.gov/33507153/>

Efficacy of cognitive behavioural therapy-based smartphone app for smoking cessation in China: a study protocol of a randomised controlled trial.

Liao Y, Tang J. BMJ Open. 2021 Jan 13;11(1):e041985. doi: 10.1136/bmjopen-2020-041985. PMID: 33441359; PMCID: PMC7812100.

<https://pubmed.ncbi.nlm.nih.gov/33441359/>

Durability of Abstinence After Completing a Comprehensive Digital Smoking Cessation Program Incorporating a Mobile App, Breath Sensor, and Coaching: Cohort Study.

Marler JD, Fujii CA, Galanko JA, Balbierz DJ, Utlely DS. J Med Internet Res. 2021 Feb 15;23(2):e25578. doi: 10.2196/25578. PMID: 33482628.

<https://pubmed.ncbi.nlm.nih.gov/33482628/>

Lessons Learned During COVID-19 That Can Move Telehealth in Primary Care Forward.

Knierim K, Palmer C, Kramer ES, Rodriguez RS, VanWyk J, Shmerling A, Smith P, Holmstrom H, Bacak BS, Brown Levey SM, Staton EW, Holtrop JSJ.

Am Board Fam Med. 2021 Feb;34(Suppl):S196-S202. doi: 10.3122/jabfm.2021.S1.200419. PMID: 33622838.

<https://pubmed.ncbi.nlm.nih.gov/33622838/>

PATIENT REPORTED OUTCOME MEASURES

The relationship between COPD Assessment Test (CAT) scores and Distress Thermometer (DT) results in COPD patients.

Makuch M, Milanowska J, Michnar M, Makuch M, Samardakiewicz M, Milanowski J.

Ann Agric Environ Med. 2020 Dec 22;27(4):689-694. doi: 10.26444/aaem/114103. Epub 2019 Dec 12.

<https://pubmed.ncbi.nlm.nih.gov/33356079/>

Anxiety sensitivity and respiratory disease outcomes among individuals with chronic obstructive pulmonary disease.

Witcraft SM, Dixon LJ, Leukel P, Lee A.

Gen Hosp Psychiatry. 2020 Dec 14;69:1-6. doi: 10.1016/j.genhosppsy.2020.12.004. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33444938/>

Evaluation of Dipper and Non-dipper Blood Pressure Patterns and Quality of Life Among Patients with Chronic Obstructive Pulmonary Disease.

Askin M, Koc EM, Sozmen K, Turan MO, Soypacaci Z, Aksun S.

Arq Bras Cardiol. 2021 Jan 18:S0066-782X2021005001203. doi: 10.36660/abc.20190536. Online ahead of print.

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Validation of a diagnosis-agnostic symptom questionnaire for asthma and/or COPD.

Karlsson N, Atkinson MJ, Müllerová H, Alacqua M, Keen C, Hughes R, Janson C, Make B, Price D, Reddel HK.

ERJ Open Res. 2021 Feb 1;7(1):00828-2020. doi: 10.1183/23120541.00828-2020. eCollection 2021 Jan.

<https://pubmed.ncbi.nlm.nih.gov/33569501/>

INTERSTITIAL LUNG DISEASE

Predictors of mortality in interstitial lung disease patients without pulmonary hypertension.

Alhamad EH, Cal JG.

Ann Thorac Med. 2020 Oct-Dec;15(4):238-243. doi: 10.4103/atm.ATM_438_20.

<https://pubmed.ncbi.nlm.nih.gov/33381239/>

Clinical characteristics, comorbidities, and outcomes in patients with idiopathic pulmonary fibrosis.

Alhamad EH, Cal JG, Alrajhi NN, Aharbi WM, AlRikabi AC, AlBoukai AA. Ann Thorac Med. 2020 Oct-Dec;15(4):208-214. doi: 10.4103/atm.ATM_230_20.

<https://pubmed.ncbi.nlm.nih.gov/33381235/>

The prevalence of obstructive sleep apnea in interstitial lung disease: a systematic review and meta-analysis.

Yang C, Yan W, Li D.

Sleep Breath. 2021 Jan 6. doi: 10.1007/s11325-020-02282-z. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33403599/>

Survival predictors of interstitial lung disease in India: Follow-up of Interstitial Lung Disease India registry.

Singh S, Bairwa M, Collins BF, Sharma BB, Joshi JM, Talwar D, Singh N, Pilania K, Bhattacharya P, Gupta N, Chetambath R, Ghoshal AG, Kant S, Koul PA, Dhar R, Swarnakar R, Singh V, Raghu G.

Lung India. 2021 Jan-Feb;38(1):5-11. doi: 10.4103/lungindia.lungindia_414_20.

<https://pubmed.ncbi.nlm.nih.gov/33402631/>

Idiopathic pulmonary fibrosis patients with severe physiologic impairment: characteristics and outcomes.

Pastre J, Barnett S, Ksovreli I, Taylor J, Brown AW, Shlobin OA, Ahmad K, Khangoora V, Aryal S, King CS, Nathan SD.

Respir Res. 2021 Jan 6;22(1):5. doi: 10.1186/s12931-020-01600-z.

<https://pubmed.ncbi.nlm.nih.gov/33407450/>

Home spirometry in patients with idiopathic pulmonary fibrosis: data from the INMARK trial

Noth I, Cottin V, Chaudhuri N, Corte TJ, Johannson KA, Wijsenbeek M, Jouneau S, Michael A, Quaresma M, Rohr KB, Russell A-M, Stowasser S, Maher TM, INMARK trial investigators

Eur Respir J. 2021 Jan 8;2001518. doi: 10.1183/13993003.01518-2020. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33419890/>

Suggestions for improving clinical utility of future guidelines for diagnosis and management of IPF - results of a Delphi survey.

Funke-Chambour M, Albera C, Bendstrup E, Costabel U, Grutters JC, Harari S, Johannson KA, Kreuter M, Strambu I, Vancheri C, Varone F, Vitulo P, Wuyts WA, Martinez F, Raghu G, Erice participants.

Eur Respir J. 2021 Jan 8;2004219. doi: 10.1183/13993003.04219-2020. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/33419886/>

What Is Idiopathic Pulmonary Fibrosis? IPF Part 1.

Guler SA, Lindell KO, Swigris J, Ryerson CJ.

Am J Respir Crit Care Med. 2021 Jan 15;203(2):P5-P6. doi: 10.1164/rccm.2032P5.

<https://pubmed.ncbi.nlm.nih.gov/33448890/>

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(LONG-TERM) IMPACT OF COVID-19

**Composed in collaboration with Roy Meys (PhD student of the department of Research and Development in Ciro, Horn, the Netherlands; an overview of the most recent papers published in this field can also be found on <https://www.ciro-horn.nl/en/ciro-academy/overview-covid-19-publications>)*

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