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**ERS literature update**

**November-December 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**

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| **PULMONARY REHABILITATION** |

**Effectiveness of Pulmonary Rehabilitation Performed Through Exercise Training for Patients with Stable COPD: A Meta-analysis of Randomized Controlled Trials.**

Zerbo Šporin D, Domjanič D, Žvanut B.

Zdr Varst. 2022 Sep 28;61(4):231-241. doi: 10.2478/sjph-2022-0031. eCollection 2022 Dec.

<https://pubmed.ncbi.nlm.nih.gov/36348964/>

**Osteosarcopenia in Patients with Chronic Obstructive Pulmonary Diseases: Which Pathophysiologic Implications for Rehabilitation?**

Lippi L, Folli A, Curci C, D'Abrosca F, Moalli S, Mezian K, de Sire A, Invernizzi M.

Int J Environ Res Public Health. 2022 Nov 2;19(21):14314. doi: 10.3390/ijerph192114314.

<https://pubmed.ncbi.nlm.nih.gov/36361194/>

**Three Weeks of Pulmonary Rehabilitation Do Not Influence Oscillometry Parameters in Postoperative Lung Cancer Patients.**

Kostorz-Nosal S, Jastrzębski D, Żebrowska A, Bartoszewicz A, Ziora D.

Medicina (Kaunas). 2022 Oct 28;58(11):1551. doi: 10.3390/medicina58111551.

<https://pubmed.ncbi.nlm.nih.gov/36363507/>

**Airflow grades, outcome measures and response to pulmonary rehabilitation in individuals after an exacerbation of severe chronic obstructive pulmonary disease.**

Vitacca M, Paneroni M, Salvi B, Spanevello A, Ceriana P, Bruschi C, Balbi B, Aliani M, Ambrosino N.

Eur J Intern Med. 2022 Nov 14:S0953-6205(22)00392-2. doi: 10.1016/j.ejim.2022.11.011. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36396523/>

**Effects of exercise-based home pulmonary rehabilitation on patients with chronic obstructive pulmonary disease: An overview of systematic review.**

Zheng J, Zhang Z, Han R, Zhang H, Deng J, Chai M.

PLoS One. 2022 Nov 17;17(11):e0277632. doi: 10.1371/journal.pone.0277632. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36395170/>

**Short-Term Health Outcomes of a Structured Pulmonary Rehabilitation Program Implemented within Rural Canadian Sites Compared with an Established Urban Site: A Pre-Post Intervention Observational Study.**

Etruw E, Fuhr D, Huynh V, Jourdain T, Deuchar L, Sharpe H, Dubois R, Damant R, Stickland MK.

Arch Phys Med Rehabil. 2022 Nov 15:S0003-9993(22)01710-5. doi: 10.1016/j.apmr.2022.10.011. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36400258/>

**Effect of Liuzijue on pulmonary rehabilitation in patients with chronic obstructive pulmonary disease: study protocol for a multicenter, non-randomized, prospective study.**

Hu J, Gao R, Wang Y, Li Y, Wang Y, Wang Z, Yang J.

BMC Complement Med Ther. 2022 Nov 17;22(1):296. doi: 10.1186/s12906-022-03789-6.

<https://pubmed.ncbi.nlm.nih.gov/36397066/>

**Promoting Participation in Pulmonary Rehabilitation following Hospitalization for Chronic Obstructive Pulmonary Disease, Strategies of Top-performing Systems: A Qualitative Study.**

Spitzer KA, Stefan MS, Priya A, Pack QR, Pekow PS, Lagu T, Mazor K, Pinto-Plata VM, Bradley K, Heineman B, ZuWallack RL, Lindenauer PK.

Ann Am Thorac Soc. 2022 Nov 30. doi: 10.1513/AnnalsATS.202203-237OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36449407/>

**Exercise rehabilitation in COPD and heart failure: comparison of two national audits.**

Jones AV, Evans RA, Harrison AS, Sherar LB, Steiner MC, Doherty P, Singh SJ.

ERJ Open Res. 2022 Nov 28;8(4):00131-2022. doi: 10.1183/23120541.00131-2022.

<https://pubmed.ncbi.nlm.nih.gov/36451843/>

**Frailty and rehabilitation outcome in older patients with cardiorespiratory disease: Preliminary multidimensional data.**

Vigorè M, Granata N, Callegari G, Vaninetti R, Conti S, Maestri R, Piaggi G, Cremonese G, Pierobon A.

Monaldi Arch Chest Dis. 2022 Dec 1. doi: 10.4081/monaldi.2022.2447. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36458416/>

**Access to Pulmonary Rehabilitation Among Medicare Beneficiaries with COPD.**

Malla G, Bodduluri S, Sthanam V, Sharma G, Bhatt SP.

Ann Am Thorac Soc. 2022 Dec 7. doi: 10.1513/AnnalsATS.202204-318OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36476450/>

**The presence of extra-pulmonary treatable traits increases the likelihood of responding to pulmonary rehabilitation.**

Souto-Miranda S, Rocha V, Mendes MA, Simão P, Martins V, Spruit MA, Marques A.

Respir Med. 2022 Dec 9;206:107086. doi: 10.1016/j.rmed.2022.107086. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36516547/>

**Maintenance Pulmonary Rehabilitation: Can We Keep the Good Times Rolling?**

Ramakrishnan S.

Chest. 2022 Dec;162(6):1227-1228. doi: 10.1016/j.chest.2022.09.006.

<https://pubmed.ncbi.nlm.nih.gov/36494120/>

**Elementary Pulmonary Rehabilitation Protocol to Ameliorate Functionality Level in Case of Pneumothorax Following Emphysema: A Case Report.**

Bhagwani RS, Yadav V, Dhait SR, Karanjkar SM, Nandanwar RR.

Cureus. 2022 Nov 12;14(11):e31421. doi: 10.7759/cureus.31421. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36523719/>

**Brain activity measured by functional brain imaging predicts breathlessness improvement during pulmonary rehabilitation.**

Finnegan SL, Browning M, Duff E, Harmer CJ, Reinecke A, Rahman NM, Pattinson KTS.

Thorax. 2022 Dec 26:thoraxjnl-2022-218754. doi: 10.1136/thorax-2022-218754. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36572534/>

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| **EXERCISE TESTING AND TRAINING** |

**Effects of creative dance on functional capacity, pulmonary function, balance, and cognition in COPD patients: A randomized controlled trial.**

Kaya M, Gurses HN, Ucgun H, Okyaltirik F.

Heart Lung. 2022 Nov 3;58:13-20. doi: 10.1016/j.hrtlng.2022.10.017. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36335909/>

**Acute effects of NIV on peripheral muscle function and aerobic performance in patients with chronic obstructive pulmonary disease: a pilot study.**

de Medeiros Nogueira MG, Silva GAG, Marinho MHT, de Fátima Costa Brito O, de Brito Vieira WH, Ururahy MAG, Nogueira IDB, da Silva IS, de Miranda Silva Nogueira PA.

BMC Pulm Med. 2022 Nov 4;22(1):399. doi: 10.1186/s12890-022-02201-w.

<https://pubmed.ncbi.nlm.nih.gov/36333720/>

**Neuromuscular and acute symptoms responses to progressive elastic resistance exercise in patients with chronic obstructive pulmonary disease: Cross-sectional study.**

Calatayud J, Torres-Castro R, Vera-Uribe R, Olivares-Valenzuela Á, Guzmán-González B, Torres ME, Sepúlveda-Cáceres N, Andersen LL, Cruz-Montecinos C.

Front Med (Lausanne). 2022 Oct 26;9:934410. doi: 10.3389/fmed.2022.934410. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36388881/>

**Prediction of exercise-induced desaturation in COPD patients without resting hypoxemia: a retrospective study.**

Yang L, Shi M, Situ X, He J, Qumu S, Yang T.

BMC Pulm Med. 2022 Nov 8;22(1):405. doi: 10.1186/s12890-022-02174-w.

<https://pubmed.ncbi.nlm.nih.gov/36348483/>

**The role of structured exercise interventions on cognitive function in older individuals with stable Chronic Obstructive Pulmonary Disease: A scoping review.**

Eastus CC, Baez DE, Buckley ML, Lee J, Adami A.

Front Rehabil Sci. 2022 Oct 31;3:987356. doi: 10.3389/fresc.2022.987356. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36386775/>

**Is the six-minute step test able to reflect the severity and symptoms based on cat score?**

Dourado IM, Santos PB, Goulart CL, Marinho RS, Santos-De-Araújo AD, Roscani MG, Mendes RG, Borghi-Silva A.

Heart Lung. 2022 Nov 10;58:28-33. doi: 10.1016/j.hrtlng.2022.10.010. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36372060/>

**Sternocleidomastoid Muscle Thickness Correlates with Exercise Tolerance in Patients with COPD.**

Shiraishi M, Higashimoto Y, Sugiya R, Mizusawa H, Takeda Y, Fujita S, Nishiyama O, Kudo S, Kimura T, Fukuda K, Tohda Y.

Respiration. 2022 Nov 22:1-10. doi: 10.1159/000527100. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36412608/>

**The Impact of Wearing a Mask on Oxygenation and Hemodynamics in Patients with Mild to Moderate COPD.**

Kim SH, Heo R, Lee SK, Lee SW, Seo H, Kwon H, Chung SJ, Lee H, Park DW, Lim YH, Shin J, Sohn JW, Yoon HJ.

Ann Am Thorac Soc. 2022 Nov 23. doi: 10.1513/AnnalsATS.202206-551RL. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36416877/>

**Respiratory and peripheral muscle strength influence recovery of exercise capacity after severe exacerbation of COPD? An observational prospective cohort study.**

Heubel AD, Kabbach EZ, Leonardi NT, Schafauser NS, Kawakami DMO, Sentanin AC, Pires Di Lorenzo VA, Borghi Silva A, Hurst JR, Mendes RG.

Heart Lung. 2022 Nov 23;58:91-97. doi: 10.1016/j.hrtlng.2022.11.009. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36434827/>

**Combining functional exercises with exercise training in COPD: a randomized controlled trial.**

Francisco de Lima F, Marçal Camillo CA, Grigoletto I, Uzeloto J, Marques Vanderlei F, Ramos D, Burtin C, Cipulo Ramos EM.

Physiother Theory Pract. 2022 Dec 1:1-10. doi: 10.1080/09593985.2022.2148146. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36457177/>

**The effect of a pressure ventilatory support on quadriceps endurance is maintained after exercise training in severe COPD patients. A longitudinal randomized, cross over study.**

Labeix P, Court Fortune I, Muti D, Berger M, Chomette-Ballereau S, Barthelemy JC, Féasson L, Costes F.

Front Physiol. 2022 Nov 28;13:1055023. doi: 10.3389/fphys.2022.1055023. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36518111/>

**Breathing Exercises in the Treatment of COPD: An Overview of Systematic Reviews.**

Li Y, Ji Z, Wang Y, Li X, Xie Y.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 7;17:3075-3085. doi: 10.2147/COPD.S385855. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36514332/>

**Cardiopulmonary responses during unsupported upper limb exercise tests and limitations in activities of daily living in individuals with chronic obstructive pulmonary disease.**

Barboza M, Oliveira C, Mont'Alverne D, Morano M, Lima V, Velloso M.

Physiother Theory Pract. 2022 Dec 17:1-9. doi: 10.1080/09593985.2022.2157688. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36528786/>

**Preoperative inspiratory muscle training in a patient with lung cancer and comorbid chronic obstructive pulmonary disease and respiratory sarcopenia: A case report.**

Okura K, Takahashi Y, Hatakeyama K, Saito K, Kasukawa Y, Imai K, Minamiya Y.

Physiother Res Int. 2022 Dec 19:e1987. doi: 10.1002/pri.1987. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36533560/>

**Greater exercise tolerance in COPD during acute intermittent compared to continuous shuttle walking protocols: A proof-of-concept study.**

Alexiou C, Chambers F, Megaritis D, Wakenshaw L, Echevarria C, Vogiatzis I.

Chron Respir Dis. 2022 Jan-Dec;19:14799731221142023. doi: 10.1177/14799731221142023.

<https://pubmed.ncbi.nlm.nih.gov/36548147/>

**Correlation between Hand Grip Strength and Peak Inspiratory Flow Rate in Patients with Stable Chronic Obstructive Pulmonary Disease.**

Suriyakul A, Saiphoklang N, Barjaktarevic I, Cooper CB.

Diagnostics (Basel). 2022 Dec 5;12(12):3050. doi: 10.3390/diagnostics12123050.

<https://pubmed.ncbi.nlm.nih.gov/36553057/>

**Sex-specific and age-specific incidence of ischaemic heart disease, atrial fibrillation and heart failure in community patients with chronic obstructive pulmonary disease.**

Groenewegen A, Zwartkruis VW, Smit LJ, de Boer RA, Rienstra M, Hoes AW, Hollander M, Rutten FH.

BMJ Open Respir Res. 2022 Dec;9(1):e001307. doi: 10.1136/bmjresp-2022-001307.

<https://pubmed.ncbi.nlm.nih.gov/36585036/>

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| **PHYSICAL ACTIVITY** |

**Factors associated with frequent physical activity among United States adults with asthma.**

Almatruk Z, Axon DR.

J Asthma. 2022 Oct 31:1-16. doi: 10.1080/02770903.2022.2142134. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36316286/>

**Efficacy of Different Types of Physical Activity Interventions on Exercise Capacity in Patients with Chronic Obstructive Pulmonary Disease (COPD): A Network Meta-Analysis.**

Priego-Jiménez S, Torres-Costoso A, Guzmán-Pavón MJ, Lorenzo-García P, Lucerón-Lucas-Torres MI, Álvarez-Bueno C.

Int J Environ Res Public Health. 2022 Nov 5;19(21):14539. doi: 10.3390/ijerph192114539.

<https://pubmed.ncbi.nlm.nih.gov/36361418/>

**Physical activity pattern of patients with interstitial lung disease compared to patients with COPD: A propensity-matched study.**

Breuls S, Pereira de Araujo C, Blondeel A, Yserbyt J, Janssens W, Wuyts W, Troosters T, Demeyer H.

PLoS One. 2022 Nov 21;17(11):e0277973. doi: 10.1371/journal.pone.0277973. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36409724/>

**Might Dog Walking Reduce the Impact of COPD on Patients' Life?**

Baiardini I, Fasola S, Lorenzi C, Colombo N, Bruno M, La Grutta S, Scognamillo C, Braido F.

Healthcare (Basel). 2022 Nov 18;10(11):2317. doi: 10.3390/healthcare10112317.

<https://pubmed.ncbi.nlm.nih.gov/36421641/>

**Discriminant Validity of a Single Clinical Question for the Screening of Inactivity in Individuals Living with COPD.**

Ramon MA, Esteban C, Ortega F, Cebollero P, Carrascosa I, Martinez-González C, Sobradillo P, Soler-Cataluña JJ, Miravitlles M, García-Río F.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 2;17:3033-3044. doi: 10.2147/COPD.S378758. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36483675/>

**Exercise capacity and physical activity in COPD patients treated with a LAMA/LABA combination: a systematic review and meta-analysis.**

Miravitlles M, García-Rivero JL, Ribera X, Galera J, García A, Palomino R, Pomares X.

Respir Res. 2022 Dec 15;23(1):347. doi: 10.1186/s12931-022-02268-3.

<https://pubmed.ncbi.nlm.nih.gov/36522735/>

**Sleep Quality and Self-Reported Symptoms of Anxiety and Depression Are Associated with Physical Activity in Patients with Severe COPD.**

Neale CD, Christensen PE, Dall C, Ulrik CS, Godtfredsen N, Hansen H.

Int J Environ Res Public Health. 2022 Dec 14;19(24):16804. doi: 10.3390/ijerph192416804.

<https://pubmed.ncbi.nlm.nih.gov/36554684/>

**Relationships of Walking and non-Walking Physical Activities in Daily Life with Cognitive Function and Physical Characteristics in Male Patients with Mild Chronic Obstructive Pulmonary Disease.**

Egoshi S, Horie J, Nakagawa A, Matsunaga Y, Hayashi S.

Clin Med Insights Circ Respir Pulm Med. 2022 Dec 22;16:11795484221146374. doi: 10.1177/11795484221146374. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36579140/>

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| **TELEMEDICINE\*** |

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

**Implementation of E-Mental Health Interventions for Informal Caregivers of Adults with Chronic Diseases: A Mixed-Methods Systematic Review with Qualitative Comparative Analysis and Thematic Synthesis.**

Coumoundouros C, Mårtensson E, Ferraris G, Zuidberg JM, von Essen L, Sanderman R, Woodford J.

JMIR Ment Health. 2022 Oct 25. doi: 10.2196/41891. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36314782/>

**Evaluation of telehealth support in an integrated respiratory clinic.**

Fox L, Heiden E, Chauhan MAJ, Longstaff JM, Balls L, De Vos R, Neville DM, Jones TL, Leung AW, Morrison L, Rupani H, Brown TP, Stores R, Chauhan AJ.

NPJ Prim Care Respir Med. 2022 Nov 11;32(1):51. doi: 10.1038/s41533-022-00304-9.

<https://pubmed.ncbi.nlm.nih.gov/36369507/>

**Patients' and Health Care Providers' Perceptions on mHealth Use After High-Altitude Climate Therapy for Severe Asthma: Mixed Methods Study.**

Khusial R, van Koppen S, Honkoop P, Rijssenbeek-Nouwens L, Fieten KB, Keij S, Drijver-Messelink M, Sont J.

JMIR Form Res. 2022 Nov 22;6(11):e26925. doi: 10.2196/26925.

<https://pubmed.ncbi.nlm.nih.gov/36413384/>

**A Telemedicine Approach for Monitoring COPD: A Prospective Feasibility and Acceptability Cohort Study.**

Shinoda M, Hataji O, Miura M, Kinoshita M, Mizoo A, Tobino K, Soutome T, Nishi T, Ishii T, Miller BE, Tal-Singer R, Tomlinson R, Matsuki T, Jones PW, Shibata Y.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 17;17:2931-2944. doi: 10.2147/COPD.S375049. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36419950/>

**Characteristics, Components, and Efficacy of Telerehabilitation Approaches for People with Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-Analysis.**

Isernia S, Pagliari C, Bianchi LNC, Banfi PI, Rossetto F, Borgnis F, Tavanelli M, Brambilla L, Baglio F; CPTM Group.

Int J Environ Res Public Health. 2022 Nov 17;19(22):15165. doi: 10.3390/ijerph192215165.

<https://pubmed.ncbi.nlm.nih.gov/36429887/>

**Online mindfulness-based cognitive therapy for fatigue in patients with sarcoidosis (TIRED): a randomised controlled trial.**

Kahlmann V, Moor CC, van Helmondt SJ, Mostard RLM, van der Lee ML, Grutters JC, Wijsenbeek MS, Veltkamp M.

Lancet Respir Med. 2022 Nov 22:S2213-2600(22)00387-3. doi: 10.1016/S2213-2600(22)00387-3. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36427515/>

**A qualitative exploration of people living with idiopathic pulmonary fibrosis experience of a virtual pulmonary rehabilitation programme.**

O'Shea O, Murphy G, Forde L, O'Reilly KMA.

BMC Pulm Med. 2022 Nov 28;22(1):448. doi: 10.1186/s12890-022-02221-6.

<https://pubmed.ncbi.nlm.nih.gov/36443780/>

**Effectiveness of an online education program for asthma patients in general practice: study protocol for a cluster randomized controlled trial.**

Eck S, Hapfelmeier A, Linde K, Schultz K, Gensichen J, Sanftenberg L, Kühlein T, Stark S, Gágyor I, Kretzschmann C, Schneider A; Bavarian Practice-Based Research Network (BayFoNet).

BMC Pulm Med. 2022 Dec 1;22(1):457. doi: 10.1186/s12890-022-02217-2.

<https://pubmed.ncbi.nlm.nih.gov/36456965/>

**Primary Care Provider Experience With Proactive E-Consults to Improve COPD Outcomes and Access to Specialty Care.**

Spece LJ, Weppner WG, Weiner BJ, Collins M, Adamson R, Berger DB, Nelson KM, McDowell J, Epler E, Carvalho PG, Woo DM, Donovan LM, Feemster LC, Au DH, Au DH, Sayre G.

Chronic Obstr Pulm Dis. 2022 Dec 5. doi: 10.15326/jcopdf.2022.0357. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36472622/>

**Exercise Capacity in Patients With Chronic Obstructive Pulmonary Disease Treated With Tele-Yoga Versus Tele-Pulmonary Rehabilitation: A Pilot Validation Study.**

Malik S, Dua R, Krishnan AS, Kumar S, Kumar S, Neyaz O, Bhadoria AS.

Cureus. 2022 Nov 1;14(11):e30994. doi: 10.7759/cureus.30994. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36475207/>

**Long-Term Telerehabilitation or Unsupervised Training at Home for Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Trial.**

Zanaboni P, Dinesen B, Hoaas H, Wootton R, Burge AT, Philp R, Oliveira CC, Bondarenko J, Tranborg Jensen T, Miller BR, Holland AE.

Am J Respir Crit Care Med. 2022 Dec 8. doi: 10.1164/rccm.202204-0643OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36480957/>

**Scoping Review of Pulmonary Telemedicine Consults: Current Knowledge and Research Gaps.**

Li B, Gillmeyer KR, Molloy-Paolillo B, Vimalananda VG, Elwy AR, Wiener RS, Rinne ST.

Ann Am Thorac Soc. 2022 Dec 9. doi: 10.1513/AnnalsATS.202205-404OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36490386/>

**Licensure laws and other barriers to telemedicine and telehealth: an urgent need for reform.**

Raghu G, Mehrotra A.

Lancet Respir Med. 2022 Dec 12:S2213-2600(22)00482-9. doi: 10.1016/S2213-2600(22)00482-9. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36521508/>

**Perceived autonomy support in telerehabilitation by people with chronic respiratory disease: a mixed methods study.**

Cox NS, Lee JY, McDonald CF, Mahal A, Alison JA, Wootton R, Hill CJ, Zanaboni P, O'Halloran P, Bondarenko J, Macdonald H, Barker K, Crute H, Mellerick C, Wageck B, Boursinos H, Lahham A, Nichols A, Czupryn P, Corbett M, Handley E, Burge AT, Holland AE.

Chest. 2022 Dec 24:S0012-3692(22)04344-6. doi: 10.1016/j.chest.2022.12.023. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36574926/>

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| **PATIENT REPORTED OUTCOME MEASURES** |

**Patient-reported experiences and outcomes following hospital care are associated with risk of readmission among adults with chronic health conditions.**

Watson DE, Marashi-Pour S, Tran B, Witchard A.

PLoS One. 2022 Nov 2;17(11):e0276812. doi: 10.1371/journal.pone.0276812. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36322583/>

**Construct validity and reliability of the Informal Caregiver Burden Assessment Questionnaire (QASCI) in caregivers of patients with COPD.**

Hipólito N, Martins S, Ruivo A, Flora S, Silva CG, Marques A, Brooks D, Cruz J.

Respir Med. 2022 Oct 31;205:107027. doi: 10.1016/j.rmed.2022.107027. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36343503/>

**A Longitudinal Study of Trajectories and Factors Influencing Patient-Reported Outcomes in Chronic Obstructive Pulmonary Disease.**

Cai M, Cui M, Nong Y, Qin J, Mo S.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 18;17:2945-2956. doi: 10.2147/COPD.S374129. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36425060/>

**Comparability of a provisioned device versus bring your own device for completion of patient-reported outcome measures by participants with chronic obstructive pulmonary disease: quantitative study findings.**

Hudgens S, Newton L, Eremenco S, Crescioni M, Symonds T, Griffiths PCG, Reasner DS, Byrom B, O'Donohoe P, Vallow S; Patient-Reported Outcome (PRO) Consortium and Electronic Clinical Outcome Assessment (eCOA) Consortium.

J Patient Rep Outcomes. 2022 Nov 26;6(1):119. doi: 10.1186/s41687-022-00521-3.

<https://pubmed.ncbi.nlm.nih.gov/36435889/>

**Mapping algorithms for predicting EuroQol-5D-3L utilities from the assessment test of chronic obstructive pulmonary disease.**

Yu CH, Chang SM, Hsu CH, Tsai SH, Liao XM, Chen CW, Lin CH, Wang JD, Hsiue TR, Chen CZ.

Sci Rep. 2022 Dec 3;12(1):20930. doi: 10.1038/s41598-022-24956-2.

https://pubmed.ncbi.nlm.nih.gov/36463253/

**Performance of the Cough and Sputum Assessment Questionnaire (CASA-Q) in COPD: Evidence from Clinical and Online Patient Interaction Studies.**

Patalano F, Hache C, Pethe A, Kaur H, Leidy NK, Arsiwala T, Afroz N, Gutzwiller FS.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 10;17:3087-3096. doi: 10.2147/COPD.S381131. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36531977/>

**Patient-Reported Outcome Measurements in Patients with COPD-Obstructive Sleep Apnea Overlap Syndrome: Time for Action?**

Papaioannou AI, Fouka E, Nena E, Bakakos P, Steiropoulos P.

J Pers Med. 2022 Nov 24;12(12):1951. doi: 10.3390/jpm12121951.

<https://pubmed.ncbi.nlm.nih.gov/36556172/>

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| **INTERSTITIAL LUNG DISEASE** |

**World Health Organization (WHO) International Classification of Functioning, Disability and Health (ICF) Core Set Development for Interstitial Lung Disease.**

Saketkoo LA, Escorpizo R, Varga J, Keen KJ, Fligelstone K, Birring SS, Alexanderson H, Pettersson H, Chaudhry HA, Poole JL, Regardt M, LeSage D, Sarver C, Lanario J, Renzoni E, Scholand MB, Lammi MR, Kowal-Bielecka O, Distler O, Frech T, Shapiro L, Varju C, Volkmann ER, Bernstein EJ, Drent M, Obi ON, Patterson KC, Russell AM; Global Fellowship on Rehabilitation and Exercise in Systemic Sclerosis (G-FoRSS).

Front Pharmacol. 2022 Oct 14;13:979788. doi: 10.3389/fphar.2022.979788. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36313333/>

**End-of-life care for idiopathic pulmonary fibrosis patients with acute exacerbation.**

Akiyama N, Fujisawa T, Morita T, Koyauchi T, Matsuda Y, Mori M, Miyashita M, Tachikawa R, Tomii K, Tomioka H, Hagimoto S, Kondoh Y, Inoue Y, Suda T.

Respir Res. 2022 Oct 29;23(1):294. doi: 10.1186/s12931-022-02204-5.

<https://pubmed.ncbi.nlm.nih.gov/36309741/>

**Perception of patients with interstitial lung diseases submitted to inspiratory muscle training.**

Blanco Loures J, Guimarães Assis M, Pereira HLA, Mancuzo EV, Parreira VF.

Physiother Theory Pract. 2022 Nov 3:1-9. doi: 10.1080/09593985.2022.2141598. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36326066/>

**Forced vital capacity trajectories in patients with idiopathic pulmonary fibrosis: a secondary analysis of a multicentre, prospective, observational cohort.**

Fainberg HP, Oldham JM, Molyneau PL, Allen RJ, Kraven LM, Fahy WA, Porte J, Braybrooke R, Saini G, Karsdal MA, Leeming DJ, Sand JMB, Triguero I, Oballa E, Wells AU, Renzoni E, Wain LV, Noth I, Maher TM, Stewart ID, Jenkins RG.

Lancet Digit Health. 2022 Nov 1:S2589-7500(22)00173-X. doi: 10.1016/S2589-7500(22)00173-X. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36333179/>

**The effect of domiciliary high flow nasal cannula treatment on dyspnea and walking distance in patients with interstitial lung disease - A pilot study.**

Weinreich UM, Burchardt C, Huremovic J.

Chron Respir Dis. 2022 Jan-Dec;19:14799731221137085. doi: 10.1177/14799731221137085.

<https://pubmed.ncbi.nlm.nih.gov/36366859/>

**External validation of the GAP model in Chinese patients with idiopathic pulmonary fibrosis.**

Zhang X, Ren Y, Xie B, Wang S, Geng J, He X, Jiang D, He J, Luo S, Wang X, Song D, Fan M, Dai H.

Clin Respir J. 2022 Nov 27. doi: 10.1111/crj.13564. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36437511/>

**Reliability and validity of the Chester step test in patients with interstitial lung disease.**

Alves A, Oliveira A, Ferreira PG, Martins V, Marques A.

Pulmonology. 2022 Dec 3:S2531-0437(22)00254-9. doi: 10.1016/j.pulmoe.2022.10.009. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36473829/>

**SARC-F scores can predict health status and daily activity in patients with idiopathic pulmonary fibrosis.**

Ohkubo H, Fujita K, Nakano A, Amakusa Y, Mori Y, Fukumitsu K, Fukuda S, Kanemitsu Y, Uemura T, Tajiri T, Maeno K, Ito Y, Oguri T, Ozawa Y, Murase T, Niimi A.

J Thorac Dis. 2022 Nov;14(11):4309-4318. doi: 10.21037/jtd-22-813.

<https://pubmed.ncbi.nlm.nih.gov/36524076/>

**Patient-reported outcomes to assess dyspnoea in interstitial lung disease and pulmonary hypertension: a systematic literature review of measurement properties.**

Lemmers JMJ, Vonk MC, van den Ende CHM.

Eur Respir Rev. 2022 Dec 21;31(166):220091. doi: 10.1183/16000617.0091-2022. Print 2022 Dec 31.

<https://pubmed.ncbi.nlm.nih.gov/36543348/>

**Validity and repeatability of cardiopulmonary exercise testing in interstitial lung disease.**

Tomlinson OW, Markham L, Wollerton RL, Knight BA, Duckworth A, Gibbons MA, Scotton CJ, Williams CA.

BMC Pulm Med. 2022 Dec 22;22(1):485. doi: 10.1186/s12890-022-02289-0.

<https://pubmed.ncbi.nlm.nih.gov/36550475/>

**Study protocol for connective tissue disease-associated interstitial lung disease trial (TEL-CTD-ILD): A randomized controlled trial of a home-based telemonitoring of treatment effects.**

Małysiak-Szpond S, Mozga M, Miądlikowska E, Miłkowska-Dymanowska J, Białas AJ, Piotrowski WJ.

PLoS One. 2022 Dec 27;17(12):e0278601. doi: 10.1371/journal.pone.0278601. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36574413/>

**Association between weight loss and mortality in idiopathic pulmonary fibrosis.**

Kalininskiy A, Rackow AR, Nagel D, Croft D, McGrane-Minton H, Kottmann RM.

Respir Res. 2022 Dec 24;23(1):377. doi: 10.1186/s12931-022-02277-2.

<https://pubmed.ncbi.nlm.nih.gov/36566185/>

**Effects of full-body exercise-based pulmonary rehabilitation in patients with idiopathic pulmonary fibrosis: a systematic review and meta-analysis protocol.**

Pan Y, Yang H, Quan L, Wang S, Xu Y, Chen Y.

BMJ Open. 2022 Dec 23;12(12):e064212. doi: 10.1136/bmjopen-2022-064212.

<https://pubmed.ncbi.nlm.nih.gov/36564122/>

**Quantifying leg muscle deoxygenation during incremental cycling in hypoxemic patients with fibrotic interstitial lung disease: Conclusion.**

Marillier M, Bernard AC, Verges S, Moran-Mendoza O, Neder JA.

Clin Physiol Funct Imaging. 2022 Dec 29. doi: 10.1111/cpf.12809. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36582169/>

**Current best clinical practices for monitoring of interstitial lung disease.**

Bendstrup E, Kronborg-White S, Møller J, Prior TS.

Expert Rev Respir Med. 2023 Jan 2:1-14. doi: 10.1080/17476348.2022.2162504. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36572644/>

|  |
| --- |
| **ASTHMA** |

**Physical Training Reduces Chronic Airway Inflammation and Mediators of Remodeling in Asthma.**

Moraes-Ferreira R, Brandao-Rangel MAR, Gibson-Alves TG, Silva-Reis A, Souza-Palmeira VH, Aquino-Santos HC, Frison CR, Oliveira LVF, Albertini R, Vieira RP.

Oxid Med Cell Longev. 2022 Oct 20;2022:5037553. doi: 10.1155/2022/5037553. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36312895/>

**Managing adult asthma during the COVID-19 pandemic: A 2022 review and current recommendations.**

Ong KY, Tiew PY, Koh MS.

Ann Acad Med Singap. 2022 Oct;51(10):637-647. doi: 10.47102/annals-acadmedsg.202285.

<https://pubmed.ncbi.nlm.nih.gov/36317574/>

**Daytime and Nighttime Visual Analog Scales May Be Useful in Assessing Asthma Control Levels Before and After Treatment.**

Fujiki R, Kawayama T, Furukawa K, Kinoshita T, Matsunaga K, Hoshino T.

J Asthma Allergy. 2022 Oct 26;15:1549-1559. doi: 10.2147/JAA.S381985. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36320664/>

**The Impact of Insulin Resistance on Loss of Lung Function and Response to Treatment in Asthma.**

Peters MC, Schiebler ML, Cardet JC, Johansson MW, Sorkness R, DeBoer MD, Bleecker ER, Meyers DA, Castro M, Sumino K, Erzurum SC, Tattersall MC, Zein JG, Hastie AT, Moore W, Levy BD, Israel E, Phillips BR, Mauger DT, Wenzel SE, Fajt ML, Koliwad SK, Denlinger LC, Woodruff PG, Jarjour NN, Fahy JV; National Heart, Lung, and Blood Institute Severe Asthma Research Program-3.

Am J Respir Crit Care Med. 2022 Nov 1;206(9):1096-1106. doi: 10.1164/rccm.202112-2745OC.

<https://pubmed.ncbi.nlm.nih.gov/35687105/>

**Variables associated with asthma control among adult patients.**

Walid Al-Qerem, Jarab A, Abu Heshmeh SR, Ling J.

J Asthma. 2022 Nov 6:1-14. doi: 10.1080/02770903.2022.2144351. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36336819/>

**A Pilot RCT of an Intervention to Improve Perception of Lung Function in Older Adults with Asthma.**

Feldman JM, Ankam J, Barry M, Fruchter N, Becker J, Jariwala S, Shim C, Wisnivesky JP, Federman AD.

Am J Respir Crit Care Med. 2022 Nov 7. doi: 10.1164/rccm.202206-1132LE. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36343280/>

**The effect of yoga on pulmonary function in patients with asthma: A meta-analysis.**

Anshu, Singh N, Deka S, Saraswati P, Sindhwani G, Goel A, Kumari R.

Complement Ther Clin Pract. 2022 Nov 8;50:101682. doi: 10.1016/j.ctcp.2022.101682. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36403343/>

**Patient experience of moderate asthma attacks: qualitative research in the USA and Germany.**

Tabberer M, Wells JR, Chandler D, Abetz-Webb L, Zhang S, Meeraus W, Fowler A, Slade D.

J Patient Rep Outcomes. 2022 Nov 22;6(1):117. doi: 10.1186/s41687-022-00506-2.

<https://pubmed.ncbi.nlm.nih.gov/36414789/>

**Rebound in asthma exacerbations following relaxation of COVID-19 restrictions: a longitudinal population-based study (COVIDENCE UK).**

Tydeman F, Pfeffer PE, Vivaldi G, Holt H, Talaei M, Jolliffe D, Davies G, Lyons RA, Griffiths C, Kee F, Sheikh A, Shaheen SO, Martineau AR.

Thorax. 2022 Nov 23:thorax-2022-219591. doi: 10.1136/thorax-2022-219591. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36423925/>

**Patient perspectives in asthma: Listening to and learning from a new paradigm in translational research.**

Ryan D, Keighley A, Jackson T.

Respir Med. 2022 Oct 26;205:107013. doi: 10.1016/j.rmed.2022.107013. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36423457/>

**Selection of Representative Questionnaire Items from the Asthma Control Test.**

Chang MS, Yu I, Park S, Lee JH, Lee SJ, Lee WY, Yong SJ, Jo M, Kim SH.

J Pers Med. 2022 Nov 16;12(11):1913. doi: 10.3390/jpm12111913.

<https://pubmed.ncbi.nlm.nih.gov/36422089/>

**The effect of asthma specialist intervention on asthma control among adults.**

Rosman Y, Hornik-Lurie T, Meir-Shafrir K, Lachover-Roth I, Cohen-Engler A, Confino-Cohen R.

World Allergy Organ J. 2022 Nov 17;15(11):100712. doi: 10.1016/j.waojou.2022.100712. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36440463/>

Causal risk factors for asthma in Mendelian randomization studies: A systematic review and meta-analysis.

Mikkelsen H, Landt EM, Benn M, Nordestgaard BG, Dahl M.

Clin Transl Allergy. 2022 Nov;12(11):e12207. doi: 10.1002/clt2.12207.

<https://pubmed.ncbi.nlm.nih.gov/36434743/>

**Identification by cluster analysis of patients with asthma and nasal symptoms using the MASK-air® mHealth app.**

Bousquet J, Sousa-Pinto B, Anto JM, Amaral R, Brussino L, Canonica GW, Cruz AA, Gemicioglu B, Haahtela T, Kupczyk M, Kvedariene V, Larenas-Linnemann DE, Louis R, Pham-Thi N, Puggioni F, Regateiro FS, Romantowski J, Sastre J, Scichilone N, Taborda-Barata L, Ventura MT, Agache I, Bedbrook A, Bergmann KC, Bosnic-Anticevich S, Bonini M, Boulet LP, Brusselle G, Buhl R, Cecchi L, Charpin D, Chaves-Loureiro C, Czarlewski W, de Blay F, Devillier P, Joos G, Jutel M, Klimek L, Kuna P, Laune D, Pech JL, Makela M, Morais-Almeida M, Nadif R, Niedoszytko M, Ohta K, Papadopoulos NG, Papi A, Yeverino DR, Roche N, Sá-Sousa A, Samolinski B, Shamji MH, Sheikh A, Suppli Ulrik C, Usmani OS, Valiulis A, Vandenplas O, Yorgancioglu A, Zuberbier T, Fonseca JA.

Pulmonology. 2022 Nov 22:S2531-0437(22)00252-5. doi: 10.1016/j.pulmoe.2022.10.005. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36428213/>

**Multi-dimensional analyses of the associations between depression, nocturnal awakening and asthmatic outcomes.**

Hu Z, Tian Y, Song X, Hu K, Yang A.

J Affect Disord. 2022 Nov 22:S0165-0327(22)01305-2. doi: 10.1016/j.jad.2022.11.045. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36427647/>

**Influence of the environment on the characteristics of asthma.**

Romero-Mesones C, Ojanguren I, Espejo D, Granados G, González-Barcala FJ, Cruz MJ, Muñoz X.

Sci Rep. 2022 Nov 28;12(1):20522. doi: 10.1038/s41598-022-25028-1.

<https://pubmed.ncbi.nlm.nih.gov/36443644/>

**Longitudinal changes in the prevalence of adult asthma: An epidemiological survey among Japanese salaried employees and their dependents using healthcare insurance claim from 1999 to 2019.**

Nagayama K, Fukutomi Y, Nakatani E, Hamada Y, Irie M, Azekawa K, Tomita Y, Watai K, Kamide Y, Sekiya K, Nakamura Y, Okada C, Shimoda T, Nagao M, Fujisawa T, Taniguchi M.

Allergol Int. 2022 Nov 26:S1323-8930(22)00127-7. doi: 10.1016/j.alit.2022.11.002. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36443222/>

**Nonrespiratory Diseases in Adults Without and With Asthma by Age at Asthma Diagnosis.**

**Honkamäki J, Ilmarinen P, Hisinger-Mölkänen H, Tuomisto LE, Andersén H, Huhtala H, Sovijärvi A, Lindqvist A, Backman H, Nwaru BI, Rönmark E, Lehtimäki L, Pallasaho P, Piirilä P, Kankaanranta H.**

J Allergy Clin Immunol Pract. 2022 Nov 2:S2213-2198(22)01067-4. doi: 10.1016/j.jaip.2022.10.024. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36441098/>

**The feeling of loneliness and the sense of meaning in life in patients with various levels of bronchial asthma control.**

Sipowicz K, Podlecka M, Mokros Ł, Pietras T, Łuczyńska K.

J Asthma. 2022 Nov 28:1-10. doi: 10.1080/02770903.2022.2151465. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36440842/>

**Test-retest reliability, construct validity and determinants of 6-minute walk test performance in adult patients with asthma.**

Meys R, Janssen SMJ, Franssen FME, Vaes AW, Stoffels AAF, van Hees HWH, van den Borst B, Klijn PH, Burtin C, van 't Hul AJ, Spruit MA.

Pulmonology. 2022 Dec 2:S2531-0437(22)00257-4. doi: 10.1016/j.pulmoe.2022.10.011. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36470816/>

**An online behavior change intervention to promote physical activity in adults with asthma: study protocol for a multicenter randomized controlled trial.**

de Oliveira JM, Karloh M, Matias TS, Barbosa GB, Freitas PD, Carvalho CRF, Furlanetto KC.

Trials. 2022 Dec 7;23(1):983. doi: 10.1186/s13063-022-06881-x.

<https://pubmed.ncbi.nlm.nih.gov/36476386/>

**Reduced Skeletal Muscle Mass Is Associated with an Increased Risk of Asthma Control and Exacerbation.**

Zhang S, Zhang X, Deng K, Wang C, Wood LG, Wan H, Liu L, Wang J, Zhang L, Liu Y, Cheng G, Gibson PG, Oliver BG, Luo F, McDonald VM, Li W, Wang G.

J Clin Med. 2022 Dec 6;11(23):7241. doi: 10.3390/jcm11237241.

<https://pubmed.ncbi.nlm.nih.gov/36498815/>

**Associations of symptoms of anxiety and depression with health-status, asthma control, dyspnoea, dysfunction breathing and obesity in people with severe asthma.**

Stubbs MA, Clark VL, Gibson PG, Yorke J, McDonald VM.

Respir Res. 2022 Dec 12;23(1):341. doi: 10.1186/s12931-022-02266-5.

<https://pubmed.ncbi.nlm.nih.gov/36510255/>

**Development of a tool to detect small airways dysfunction in asthma clinical practice.**

Kocks J, van der Molen T, Voorham J, Baldi S, van den Berge M, Brightling C, Fabbri LM, Kraft M, Nicolini G, Papi A, Rabe KF, Siddiqui S, Singh D, Vonk J, Leving M, Flokstra-de Blok B.

Eur Respir J. 2022 Dec 14:2200558. doi: 10.1183/13993003.00558-2022. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36517179/>

**Increasing physical activity in severe asthma: a systematic review and meta-analysis.**

McLoughlin RF, Clark VL, Urroz PD, Gibson PG, McDonald VM.

Eur Respir J. 2022 Dec 15;60(6):2200546. doi: 10.1183/13993003.00546-2022. Print 2022 Dec.

<https://pubmed.ncbi.nlm.nih.gov/35896208/>

**The fear of asthma symptoms scale and the asthma behavior checklist: preliminary validity of two novel patient reported outcome measures.**

Bonnert M, Roelstraete B, Bergstrom SE, Bjureberg J, Andersson E, Almqvist C.

J Asthma. 2022 Dec 21:1-15. doi: 10.1080/02770903.2022.2160343. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36541867/>

**Identifying and appraising outcome measures for severe asthma: a systematic review.**

Rattu A, Khaleva E, Brightling C, Dahlén SE, Bossios A, Fleming L, Chung KF, Melén E, Djukanovic R, Chaudhuri R, Exley A, Koppelman GH, Bourdin A, Rusconi F, Porsbjerg C, Coleman C, Williams C, Nielsen H, Davin E, Taverner P, Romagosa Vilarnau S, Roberts G; 3TR consortium Respiratory Work Package.

Eur Respir J. 2022 Dec 22:2201231. doi: 10.1183/13993003.01231-2022. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36549712/>

**A Cross-Sectional Study on Physical Activity and Psychological Distress in Adults with Asthma.**

Denche-Zamorano Á, Urbano-Mairena J, Pastor-Cisneros R, Muñoz-Bermejo L, Barrios-Fernandez S, Garcia-Gordillo MÁ, Colmenarez-Mendoza A, Guerra-Bustamante J, Mendoza-Muñoz M.

Healthcare (Basel). 2022 Dec 7;10(12):2469. doi: 10.3390/healthcare10122469.

<https://pubmed.ncbi.nlm.nih.gov/36553992/>

**How respiratory symptoms impact asthma-related quality of life in mild asthmatics.**

Louis G, Schleich F, Louis R, Guillaume M, Sousa-Pinto B, Bousquet J, Pétré B.

Respir Med. 2022 Dec 28;207:107098. doi: 10.1016/j.rmed.2022.107098. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36584792/>

**Comparing asthma control assessment using the Asthma Control Test and the Asthma APGAR in African American/Black and Hispanic/Latinx populations.**

Yawn BP, Ericson B, Cui J, Israel E, Maher N, Pace W, Fuhlbrigge A.

J Asthma. 2023 Jan 3:1-13. doi: 10.1080/02770903.2022.2164201. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36594270/>

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| --- |
| **NUTRITION AND NUTRITIONAL STATUS** |

**High-protein diet during pulmonary rehabilitation in patients with chronic obstructive pulmonary disease.**

Møgelberg N, Tobberup R, Møller G, Godtfredsen NS, Nørgaard A, Andersen JR.

Dan Med J. 2022 Oct 11;69(11):A06210494.

<https://pubmed.ncbi.nlm.nih.gov/36331152/>

**Ultrasound Assessment of the Rectus Femoris in Patients with Chronic Obstructive Pulmonary Disease Predicts Sarcopenia.**

Deng M, Yan L, Tong R, Zhao J, Li Y, Yin Y, Zhang Q, Gao J, Wang Q, Hou G, Zhou X.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 2;17:2801-2810. doi: 10.2147/COPD.S386278. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36348815/>

**Body mass index across adulthood and the development of airflow obstruction and emphysema.**

Trethewey RE, Spartano NL, Vasan RS, Larson MG, O'Connor GT, Esliger DW, Petherick ES, Steiner MC.

Chron Respir Dis. 2022 Jan-Dec;19:14799731221139294. doi: 10.1177/14799731221139294.

<https://pubmed.ncbi.nlm.nih.gov/36351077/>

**Uncovering undernutrition in chronic obstructive pulmonary disease: Beyond body mass index.**

Stephenson H, Roberts M, Klimkeit E, Smith T.

Respir Med. 2022 Oct 26;205:107026. doi: 10.1016/j.rmed.2022.107026. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36395571/>

**Update on the Etiology, Assessment, and Management of COPD Cachexia: Considerations for the Clinician.**

De Brandt J, Beijers RJHCG, Chiles J, Maddocks M, McDonald MN, Schols AMWJ, Nyberg A.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 18;17:2957-2976. doi: 10.2147/COPD.S334228. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36425061/>

**Validation of Asian Body Mass Index Cutoff Values for the Classification of Malnutrition Severity According to the Global Leadership Initiative on Malnutrition Criteria in Patients with Chronic Obstructive Pulmonary Disease Exacerbations.**

Shirai Y, Momosaki R, Kokura Y, Kato Y, Okugawa Y, Shimizu A.

Nutrients. 2022 Nov 10;14(22):4746. doi: 10.3390/nu14224746.

<https://pubmed.ncbi.nlm.nih.gov/36432433/>

**Abdominal obesity in COPD is associated with specific metabolic and functional phenotypes.**

Cruthirds CL, Deutz NEP, Mizubuti YGG, Harrykissoon RI, Zachria AJ, Engelen MPKJ.

Nutr Metab (Lond). 2022 Dec 1;19(1):79. doi: 10.1186/s12986-022-00714-z.

<https://pubmed.ncbi.nlm.nih.gov/36457012/>

**Differential impact of low fat-free mass in people with COPD based on body mass index classifications: results from COSYCONET.**

Machado FVC, Vogelmeier CF, Jörres RA, Watz H, Bals R, Welte T, Spruit MA, Alter P, Franssen FME.

Chest. 2022 Dec 2:S0012-3692(22)04210-6. doi: 10.1016/j.chest.2022.11.040. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36470414/>

**Efficacy of vitamin D supplementation on COPD and asthma control: A systematic review and meta-analysis.**

Wang Y, Wang J, Chen L, Zhang H, Yu L, Chi Y, Chen M, Cai Y.

J Glob Health. 2022 Dec 16;12:04100. doi: 10.7189/jogh.12.04100.

<https://pubmed.ncbi.nlm.nih.gov/36520525/>

**Evaluation of anthropometric methods for fat mass measurement in chronic obstructive pulmonary disease patients.**

Lenártová P.

Rocz Panstw Zakl Hig. 2022;73(4):495-502. doi: 10.32394/rpzh.2022.0232.

<https://pubmed.ncbi.nlm.nih.gov/36547226/>

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

**Thoughts on the end of life in patients with oxygen-dependent chronic obstructive pulmonary disease: A qualitative interview study.**

Skär L, Borg C, Emtner M, Ekström M.

Nurs Open. 2022 Nov 5. doi: 10.1002/nop2.1463. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36334046/>

**Association between inpatient palliative care encounter and 30-day all-cause readmissions after index hospitalization for chronic obstructive pulmonary disease.**

Yazdanyar A, Vojtek A, Gupta S, Iyer A, Kears AC, Musco K, Li S, Jarjous S.

Heart Lung. 2022 Nov 18;58:69-73. doi: 10.1016/j.hrtlng.2022.11.003. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36410155/>

**How important is spirometry for identifying patients with COPD appropriate for palliative care?**

Lange AV, Mehta AB, Bekelman D.

J Pain Symptom Manage. 2022 Nov 21:S0885-3924(22)00976-9. doi: 10.1016/j.jpainsymman.2022.11.016. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36423798/>

**Implementation of a palliative care intervention for patients with COPD - a mixed methods process evaluation of the COMPASSION study.**

Broese JMC, van der Kleij RMJJ, Verschuur EML, Kerstjens HAM, Engels Y, Chavannes NH.

BMC Palliat Care. 2022 Dec 7;21(1):219. doi: 10.1186/s12904-022-01110-3.

<https://pubmed.ncbi.nlm.nih.gov/36476592/>

**Project EPIC (Early Palliative Care In COPD): A Multiphase Evaluation of the EPIC Telehealth Intervention.**

Iyer AS, Wells RD, Dionne-Odom JN, Bechthold AC, Armstrong M, Byun JY, O'Hare L, Taylor R, Ford S, Coffee-Dunning J, Dransfield MT, Brown CJ, Bakitas MA.

J Pain Symptom Manage. 2022 Dec 7:S0885-3924(22)01005-3. doi: 10.1016/j.jpainsymman.2022.11.024. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36496113/>

**Spirituality in people with advanced chronic obstructive pulmonary disease - challenge for more effective interventions, support, and healthcare education: Mini-review.**

Kotlińska-Lemieszek A, Fopka-Kowalczyk M, Krajnik M.

Front Med (Lausanne). 2022 Dec 6;9:954519. doi: 10.3389/fmed.2022.954519. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36561722/>

**"Dignity as a Small Candle Flame That Doesn't Go Out!": An Interpretative Phenomenological Study with Patients Living with Advanced Chronic Obstructive Pulmonary Disease.**

Laranjeira C, Dourado M.

Int J Environ Res Public Health. 2022 Dec 18;19(24):17029. doi: 10.3390/ijerph192417029.

<https://pubmed.ncbi.nlm.nih.gov/36554911/>

**External Validation and User Experiences of the ProPal-COPD Tool to Identify the Palliative Phase in COPD.**

Broese JMC, van der Kleij RMJJ, Verschuur EML, Kerstjens HAM, Bronkhorst EM, Chavannes NH, Engels Y.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 22;17:3129-3138. doi: 10.2147/COPD.S387716. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36579356/>

|  |
| --- |
| **COMORBID CONDITIONS** |

**Temporal trends in anxiety and depression prevalence and their association with adverse outcomes in patients hospitalized for acute exacerbations of chronic obstructive pulmonary disease in Beijing, China, from 2004 to 2020.**

Feng L, Li J, Lv X, Chu S, Li C, Zhang R, Cao X, Liang L.

Front Psychiatry. 2022 Oct 31;13:996451. doi: 10.3389/fpsyt.2022.996451. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36386980/>

**Association of coronary artery calcification with clinical and physiological characteristics in patients with COPD: Results from COSYCONET.**

Kahnert K, Jörres RA, Jobst B, Wielpütz MO, Seefelder A, Hackl CM, Trudzinski FC, Watz H, Bals R, Behr J, Rabe KF, Vogelmeier CF, Alter P, Welte T, Herth FF, Kauczor HU, Biederer J.

Respir Med. 2022 Nov-Dec;204:107014. doi: 10.1016/j.rmed.2022.107014. Epub 2022 Oct 18.

<https://pubmed.ncbi.nlm.nih.gov/36308989/>

**Anxiety and depression in patients with chronic obstructive pulmonary disease and obstructive sleep apnea: the overlap syndrome.**

Zhao Z, Zhang D, Sun H, Chang D, Lv X, Lin J, Liu J, Wu X, Hu K, Guo X, Tong Z.

Sleep Breath. 2022 Dec;26(4):1603-1611. doi: 10.1007/s11325-021-02500-2. Epub 2021 Nov 16.

<https://pubmed.ncbi.nlm.nih.gov/34783978/>

|  |
| --- |
| **EXACERBATIONS / HOSPITALISATIONS / MORTALITY** |

**Frequency and severity of respiratory infections prior to COPD diagnosis and risk of subsequent postdiagnosis COPD exacerbations and mortality: EXACOS-UK health care data study.**

Whittaker H, Nordon C, Rubino A, Morris T, Xu Y, De Nigris E, Müllerová H, Quint JK.

Thorax. 2022 Oct 31:thoraxjnl-2022-219039. doi: 10.1136/thorax-2022-219039. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36316117/>

**An observational study of the effects of smoking cessation earlier on the clinical characteristics and course of acute exacerbations of chronic obstructive pulmonary disease.**

Li X, Wu Z, Xue M, Du W.

BMC Pulm Med. 2022 Oct 27;22(1):390. doi: 10.1186/s12890-022-02187-5.

<https://pubmed.ncbi.nlm.nih.gov/36303160/>

**Two steps forward following an acute exacerbation of COPD.**

Lee AL, Cheng S, McKeough ZJ.

Respirology. 2022 Nov 16. doi: 10.1111/resp.14415. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36394127/>

**Effects of High-Frequency Chest Wall Oscillation on Acute Exacerbation of Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-Analysis of Randomized Controlled Trials.**

Huang HP, Chen KH, Tsai CL, Chang WP, Chiu SY, Lin SR, Lin YH.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 10;17:2857-2869. doi: 10.2147/COPD.S378642. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36381994/>

**Increased chest CT derived bone and muscle measures capture markers of improved morbidity and mortality in COPD.**

Wilson AC, Bon JM, Mason S, Diaz AA, Lutz SM, Estepar RSJ, Kinney GL, Hokanson JE, Rennard SI, Casaburi R, Bhatt SP, Irvin MR, Hersh CP, Dransfield MT, Washko GR, Regan EA, McDonald ML.

Respir Res. 2022 Nov 15;23(1):311. doi: 10.1186/s12931-022-02237-w.

<https://pubmed.ncbi.nlm.nih.gov/36376854/>

**Mortality in non-exacerbating COPD: a longitudinal analysis of UK primary care data.**

Lenoir A, Whittaker H, Gayle A, Jarvis D, Quint JK.

Thorax. 2022 Nov 24:thoraxjnl-2022-218724. doi: 10.1136/thorax-2022-218724. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36423926/>

**Patients' Perspective on Automated Oxygen Administration during Hospitalization for Acute Exacerbation of Chronic Obstructive Pulmonary Disease: A Qualitative Study Nested in a Randomized Controlled Trial.**

Sandau C, Poulsen I, Nørholm V, Hansen EF, Ringbaek TJ, Suppli Ulrik C, Gaby Bove D.

COPD. 2022;19(1):345-352. doi: 10.1080/15412555.2022.2141620.

<https://pubmed.ncbi.nlm.nih.gov/36416665/>

**Acoustic Monitoring of Night-Time Respiratory Symptoms in 14 Patients with Exacerbated COPD Over a 3- Week Period.**

Boeselt T, Kroenig J, Lueders TS, Koehler N, Beutel B, Hildebrandt O, Koehler U, Conradt R.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 18;17:2977-2986. doi: 10.2147/COPD.S377069. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36425059/>

**Parameters in predicting the risk of a prolonged hospital stay in patients with acute exacerbation of chronic obstructive pulmonary disease: a single-centre experience.**

Mujaković A, Paralija B, Prnjavorac B, Lepara O, Fajkić A, Begić E, Kurtović A, Čizmić M, Odobašić M.

Med Glas (Zenica). 2023 Feb 1;20(1). doi: 10.17392/1514-22. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36435996/>

**Cardiovascular predictors of mortality and exacerbations in patients with COPD.**

Alter P, Lucke T, Watz H, Andreas S, Kahnert K, Trudzinski FC, Speicher T, Söhler S, Bals R, Waschki B, Welte T, Rabe KF, Vestbo J, Wouters EFM, Vogelmeier CF, Jörres RA.

Sci Rep. 2022 Dec 19;12(1):21882. doi: 10.1038/s41598-022-25938-0.

<https://pubmed.ncbi.nlm.nih.gov/36536050/>

**Patient and Health Care Provider Perspectives on Potential Preventability of Hospital Admission for Acute Exacerbation of Chronic Obstructive Pulmonary Disease: A Qualitative Study.**

Leenders A, Sportel E, Poppink E, van Beurden W, van der Valk P, Brusse-Keizer M.

Patient Prefer Adherence. 2022 Dec 9;16:3207-3220. doi: 10.2147/PPA.S380862. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36531300/>

**The effect of health-related quality of life and physical activity on time to first exacerbation in chronic obstructive pulmonary disease patients.**

Arkan Demiral G, Şen E.

Tuberk Toraks. 2022 Dec;70(4):349-357. doi: 10.5578/tt.20229606.

<https://pubmed.ncbi.nlm.nih.gov/36537092/>

**Risk of suicide after diagnosis of severe physical health conditions: A retrospective cohort study of 47 million people.**

Nafilyan V, Morgan J, Mais D, Sleeman KE, Butt A, Ward I, Tucker J, Appleby L, Glickman M.

Lancet Reg Health Eur. 2022 Dec 14;25:100562. doi: 10.1016/j.lanepe.2022.100562. eCollection 2023 Feb.

<https://pubmed.ncbi.nlm.nih.gov/36545003/>

|  |
| --- |
| **COVID-19** |

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

**Effect of chronic lung diseases on mortality of prevariant COVID-19 pneumonia patients.**

Kilic H, Arguder E, Karalezli A, Unsal E, Guner R, Kayaslan B, Hasanoglu İ, Ates İ, Civak M, Akpınar E, Parlak E, Sadi F, Kocaman Y, Günay S, Metan E, Er M, Dalkıran A, Hezer H, Ergüden H, Hancıoğlu Z, Kalem A, Eser F, Aypak A, Akıncı E, Karahmetoğlu S, Gemcioglu E, Kalkan E, İnan O, Yilmaz A, Güler B, Çopuroğlu E, Turan İ, Gökmen D, Hayme S, Surel AA.

Front Med (Lausanne). 2022 Oct 13;9:957598. doi: 10.3389/fmed.2022.957598. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36314036/>

**Prognostic factors for mortality, intensive care unit and hospital admission due to SARS-CoV-2: a systematic review and meta-analysis of cohort studies in Europe.**

Vardavas CI, Mathioudakis AG, Nikitara K, Stamatelopoulos K, Georgiopoulos G, Phalkey R, Leonardi-Bee J, Fernandez E, Carnicer-Pont D, Vestbo J, Semenza JC, Deogan C, Suk JE, Kramarz P, Lamb F, Penttinen P.

Eur Respir Rev. 2022 Nov 2;31(166):220098. doi: 10.1183/16000617.0098-2022. Print 2022 Dec 31.

<https://pubmed.ncbi.nlm.nih.gov/36323422/>

**Prevalence, risk factors and treatments for post-COVID-19 breathlessness: a systematic review and meta-analysis.**

Zheng B, Daines L, Han Q, Hurst JR, Pfeffer P, Shankar-Hari M, Elneima O, Walker S, Brown JS, Siddiqui S, Quint JK, Brightling CE, Evans RA, Wain LV, Heaney LG, Sheikh A.

Eur Respir Rev. 2022 Nov 2;31(166):220071. doi: 10.1183/16000617.0071-2022. Print 2022 Dec 31.

<https://pubmed.ncbi.nlm.nih.gov/36323418/>

**The Effects of Exercise Therapy Moderated by Sex in Rehabilitation of COVID-19.**

Rausch L, Puchner B, Fuchshuber J, Seebacher B, Löffler-Ragg J, Pramsohler S, Netzer N, Faulhaber M.

Int J Sports Med. 2022 Nov;43(12):1043-1051. doi: 10.1055/a-1866-6092. Epub 2022 Jun 1.

<https://pubmed.ncbi.nlm.nih.gov/35649438/>

**Lifestyle, course of COVID-19, and risk of Long-COVID in non-hospitalized patients.**

Pływaczewska-Jakubowska M, Chudzik M, Babicki M, Kapusta J, Jankowski P.

Front Med (Lausanne). 2022 Oct 24;9:1036556. doi: 10.3389/fmed.2022.1036556. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36353225/>

**Low Intensity Respiratory Muscle Training in COVID-19 Patients after Invasive Mechanical Ventilation: A Retrospective Case-Series Study.**

Villelabeitia-Jaureguizar K, Calvo-Lobo C, Rodríguez-Sanz D, Vicente-Campos D, Castro-Portal JA, López-Cañadas M, Becerro-de-Bengoa-Vallejo R, Chicharro JL.

Biomedicines. 2022 Nov 4;10(11):2807. doi: 10.3390/biomedicines10112807.

<https://pubmed.ncbi.nlm.nih.gov/36359327/>

**COVID-19 vaccination coverage in patients with chronic obstructive pulmonary disease - A cross-sectional study in Hungary.**

Fekete M, Horvath A, Santa B, Tomisa G, Szollosi G, Ungvari Z, Fazekas-Pongor V, Major D, Tarantini S, Varga JT.

Vaccine. 2022 Nov 18:S0264-410X(22)01415-3. doi: 10.1016/j.vaccine.2022.11.020. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36424256/>

**Pulmonary and Functional Rehabilitation Improves Functional Capacity, Pulmonary Function and Respiratory Muscle Strength in Post COVID-19 Patients: Pilot Clinical Trial.**

Hockele LF, Sachet Affonso JV, Rossi D, Eibel B.

Int J Environ Res Public Health. 2022 Nov 12;19(22):14899. doi: 10.3390/ijerph192214899.

<https://pubmed.ncbi.nlm.nih.gov/36429613/>

**Risk of hospitalization in a sample of COVID-19 patients with and without chronic obstructive pulmonary disease.**

Myers LC, Murray R, Donato B, Liu VX, Kipnis P, Shaikh A, Franchino-Elder J.

Respir Med. 2022 Nov 26;206:107064. doi: 10.1016/j.rmed.2022.107064. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36459955/>

**Fatigue, post-exertional malaise and orthostatic intolerance: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition.**

Arienti C, Cordani C, Lazzarini SG, Del Furia MJ, Negrini S, Kiekens C.

Eur J Phys Rehabil Med. 2022 Dec 6. doi: 10.23736/S1973-9087.22.07802-9. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36472558/>

**Dyspnea: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition.**

Cordani C, Lazzarini SG, Zampogna E, Del Furia MJ, Arienti C, Negrini S, Kiekens C.

Eur J Phys Rehabil Med. 2022 Dec 13. doi: 10.23736/S1973-9087.22.07805-4. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36511169/>

**Cognitive impairment, anxiety and depression: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition.**

Cordani C, Young VM, Arienti C, Lazzarini SG, Del Furia MJ, Negrini S, Kiekens C.

Eur J Phys Rehabil Med. 2022 Dec 19. doi: 10.23736/S1973-9087.22.07813-3. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36534008/>

**Cardiopulmonary disease as sequelae of long-term COVID-19: Current perspectives and challenges.**

Oliveira RKF, Nyasulu PS, Iqbal AA, Hamdan Gul M, Ferreira EVM, Leclair JW, Htun ZM, Howard LS, Mocumbi AO, Bryant AJ, Tamuzi JL, Avdeev S, Petrosillo N, Hassan A, Butrous G, de Jesus Perez V.

Front Med (Lausanne). 2022 Nov 30;9:1041236. doi: 10.3389/fmed.2022.1041236. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36530872/>

**Post-Acute COVID-19 Respiratory Symptoms in Patients with Asthma: An Electronic Health Records-based Study.**

Wang L, Foer D, Zhang Y, Karlson EW, Bates DW, Zhou L.

J Allergy Clin Immunol Pract. 2022 Dec 22:S2213-2198(22)01312-5. doi: 10.1016/j.jaip.2022.12.003. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36566779/>

**Chronic Obstructive Pulmonary Disease is Not Associated with In-Hospital Mortality in COVID-19: An Observational Cohort Analysis.**

Toppen W, Yan P, Markovic D, Shover CM, Buhr RG, Fulcher JA, Tashkin DP, Barjaktarevic I.

Int J Chron Obstruct Pulmon Dis. 2022 Dec 19;17:3111-3121. doi: 10.2147/COPD.S386463. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36570857/>

**Impact of accumulative smoking exposure and chronic obstructive pulmonary disease on COVID-19 outcomes: Report based on findings from the Japan COVID-19 Task Force.**

Watase M, Masaki K, Chubachi S, Namkoong H, Tanaka H, Lee H, Fukushima T, Otake S, Nakagawara K, Kusumoto T, Asakura T, Kamata H, Ishii M, Hasegawa N, Oyamada Y, Harada N, Ueda T, Ueda S, Ishiguro T, Arimura K, Saito F, Yoshiyama T, Nakano Y, Mutoh Y, Suzuki Y, Edahiro R, Sano H, Sato Y, Okada Y, Koike R, Kitagawa Y, Tokunaga K, Kimura A, Imoto S, Miyano S, Ogawa S, Kanai T, Fukunaga K; Japan COVID-19 Task Force.

Int J Infect Dis. 2022 Dec 20:S1201-9712(22)00655-5. doi: 10.1016/j.ijid.2022.12.019. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36563958/>

**Challenges of COPD Patients during the COVID-19 Pandemic.**

Sun SW, Qi C, Xiong XZ.

Pathogens. 2022 Dec 6;11(12):1484. doi: 10.3390/pathogens11121484.

<https://pubmed.ncbi.nlm.nih.gov/36558818/>

**Pulmonary Rehabilitation in SARS-CoV-2: A Systematic Review and Meta-Analysis of Post-Acute Patients.**

Reinert G, Müller D, Wagner P, Martínez-Pozas O, Cuenca-Záldivar JN, Fernández-Carnero J, Sánchez Romero EA, Corbellini C.

Diagnostics (Basel). 2022 Dec 2;12(12):3032. doi: 10.3390/diagnostics12123032.

<https://pubmed.ncbi.nlm.nih.gov/36553039/>

**Prevalence of covid-19 among patients with chronic obstructive pulmonary disease and tuberculosis.**

Muneeb Hassan M, Ameeq M, Jamal F, Tahir MH, Mendy JT.

Ann Med. 2023 Dec;55(1):285-291. doi: 10.1080/07853890.2022.2160491.

<https://pubmed.ncbi.nlm.nih.gov/36594409/>

|  |
| --- |
| **PERSPECTIVES / STATEMENTS / EDITORIALS** |

**Inventing the wheel: understanding heterogeneity of response to skeletal muscle dysfunction interventions in women with COPD.**

McDonald MN.

Thorax. 2022 Nov 3:thorax-2022-219586. doi: 10.1136/thorax-2022-219586. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36328422/>

**Home High-Flow Oxygen Therapy Should Be Considered in Patients With COPD and Chronic Respiratory Failure.**

Luján M.

Arch Bronconeumol. 2022 Nov 1:S0300-2896(22)00597-X. doi: 10.1016/j.arbres.2022.10.009. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36402702/>

**Key messages and partnerships to raise awareness and improve outcomes for people with asthma and COPD in low- and middle-income countries.**

Rylance S, Bateman ED, Boulet L, Cohen M, El Sony A, Halpin DMG, Khoo EM, Marks GB, Masekela R, Mikkelsen B, Mortimer KJ, Chakaya Muhwa J, Nunes da Cunha I, Šajnić A, Salvi S, Slama S, Winders T, Yorgancioglu A, Zar HJ.

Int J Tuberc Lung Dis. 2022 Dec 1;26(12):1106-1108. doi: 10.5588/ijtld.22.0544.

<https://pubmed.ncbi.nlm.nih.gov/36447314/>

**Selected Bibliography of Recent Research in Chronic Obstructive Pulmonary Disease.**

Fawzy A, Baker JR, Keller TL, Feemster LC, Donnelly LE, Hansel NN.

Am J Respir Crit Care Med. 2022 Dec 1;206(11):1408-1417. doi: 10.1164/rccm.202202-0335UP.

<https://pubmed.ncbi.nlm.nih.gov/36178396/>

**Definition and Nomenclature of Chronic Obstructive Pulmonary Disease: Time for Its Revision.**

Celli B, Fabbri L, Criner G, Martinez FJ, Mannino D, Vogelmeier C, Montes de Oca M, Papi A, Sin DD, Han MK, Agusti A.

Am J Respir Crit Care Med. 2022 Dec 1;206(11):1317-1325. doi: 10.1164/rccm.202204-0671PP.

<https://pubmed.ncbi.nlm.nih.gov/35914087/>

|  |
| --- |
| **OTHER** |

**Patient and physician factors associated with symptomatic undiagnosed asthma or COPD.**

Cherian M, Magner KMA, Whitmore GA, Vandemheen KL, FitzGerald JM, Bergeron C, Boulet LP, Cote A, Field SK, Penz E, McIvor RA, Lemière C, Gupta S, Mayers I, Bhutani M, Hernandez P, Lougheed MD, Licskai CJ, Azher T, Ainslie M, Ezer N, Mulpuru S, Aaron SD.

Eur Respir J. 2022 Nov 3:2201721. doi: 10.1183/13993003.01721-2022. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36328359/>

**Sex-Specific Characteristics for the Coexistence of Asthma and COPD in the Canadian Population: A Cross-Sectional Analysis of CLSA Data.**

Veerasingam E, Gao Z, Beach J, Senthilselvan A.

J Asthma. 2022 Nov 4:1-22. doi: 10.1080/02770903.2022.2144349. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36331431/>

**Effects of medication adherence on disease activity in chronic obstructive pulmonary disease: a systematic review and meta-analysis.**

Wu H, Zhang H, Li X, Zhao Q.

Psychol Health Med. 2022 Nov 7:1-15. doi: 10.1080/13548506.2022.2141277. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36343098/>

**Gender differences in pulmonary function, physical activity, and quality of life of patients with COPD based on data from the Korea National Health and Nutrition Examination Survey 2015 to 2019 from the Perspective of Pulmonary Rehabilitation.**

Lee K, Lee H, Lee K, Hong S, Shin H, Lee G.

Medicine (Baltimore). 2022 Nov 4;101(44):e31413. doi: 10.1097/MD.0000000000031413.

<https://pubmed.ncbi.nlm.nih.gov/36343059/>

**Risk Factors of Rapid FEV1 Decline in a Real-World Chronic Obstructive Pulmonary Disease Cohort.**

Lee HW, Lee JK, Lee MG, Shin KC, Ra SW, Kim TH, Hwang YI, Jung KS, Yoo KH, Kim DK.

Respiration. 2022 Nov 4;101(12):1-10. doi: 10.1159/000525871. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36349793/>

**Life-Space Mobility of Subjects With COPD on Long-Term Oxygen Therapy Delivered by Non-Portable Devices.**

Azevedo FM, Oliveira CC, Evangelista DG, Jesus LAS, Cabral LF, Pereira AL, Santos LT, Santiago RA, Cabral LA, José A, Malaguti C.

Respir Care. 2022 Nov 8:respcare.10255. doi: 10.4187/respcare.10255. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36347565/>

**The Association Between Total Cholesterol and Cognitive Impairment in Chronic Obstructive Pulmonary Disease Patients.**

Ozturk HM, Ogan N, Erdogan M, Akpinar EE, Ilgar C, Ozturk S.

Prostaglandins Other Lipid Mediat. 2022 Nov 5:106697. doi: 10.1016/j.prostaglandins.2022.106697. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36347442/>

**Physical Activity, Muscle Oxidative Capacity, and Coronary Artery Calcium in Smokers with and without COPD.**

Tiller NB, Kinninger A, Abbasi A, Casaburi R, Rossiter HB, Budoff MJ, Adami A.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 3;17:2811-2820. doi: 10.2147/COPD.S385000. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36353139/>

**Attempts to quit smoking, use of smoking cessation methods, and associated characteristics among COPD patients.**

Pashutina Y, Kotz D, Kastaun S.

NPJ Prim Care Respir Med. 2022 Nov 10;32(1):50. doi: 10.1038/s41533-022-00316-5.

<https://pubmed.ncbi.nlm.nih.gov/36351934/>

**2022 Brazilian Thoracic Association recommendations for long-term home oxygen therapy.**

Castellano MVCO, Pereira LFF, Feitosa PHR, Knorst MM, Salim C, Rodrigues MM, Ferreira EVM, Duarte RLM, Togeiro SM, Stanzani LZL, Medeiros Júnior P, Schelini KNM, Coelho LS, Sousa TLF, Almeida MB, Alvarez AE.

J Bras Pneumol. 2022 Nov 4;48(5):e20220179. doi: 10.36416/1806-3756/e20220179. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36350954/>

**Early chronic obstructive pulmonary disease: Associations of two spirometry criteria with clinical features.**

Mochizuki F, Tanabe N, Iijima H, Shimada T, Shiraishi Y, Maetani T, Yamazaki H, Shimizu K, Suzuki M, Chubachi S, Ishikawa H, Naito T, Masuko H, Sakamoto T, Masuda I, Sato S, Hizawa N, Hirai T.

Respir Med. 2022 Nov-Dec;204:107011. doi: 10.1016/j.rmed.2022.107011. Epub 2022 Oct 13.

<https://pubmed.ncbi.nlm.nih.gov/36270155/>

**Review of the prevalence, pathogenesis and management of OSA-COPD overlap.**

Brennan M, McDonnell MJ, Walsh SM, Gargoum F, Rutherford R.

Sleep Breath. 2022 Dec;26(4):1551-1560. doi: 10.1007/s11325-021-02540-8. Epub 2022 Jan 16.

<https://pubmed.ncbi.nlm.nih.gov/35034250/>

**Characteristics and difference of respiratory diseases in Korean adults aged ≥40 years: A cross-sectional study.**

Won YJ, Lee SH, Lim YC, Lee YJ, Van den Noort M, Lee BJ, Ha IH.

Clin Respir J. 2022 Nov 15. doi: 10.1111/crj.13558. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36380724/>

**World COPD Day 2022: your lungs for life.**

Agusti A, Vogelmeier CF.

Am J Physiol Lung Cell Mol Physiol. 2022 Nov 1;323(5):L615-L618. doi: 10.1152/ajplung.00290.2022.

<https://pubmed.ncbi.nlm.nih.gov/36098402/>

**Evaluation of a new performance-based health literacy measurement tool for individuals with chronic airways diseases.**

Poureslami I, Hohn R, Kopec JA, Sawatzky R, Aaron SD, Gupta S, Goldstein R, Boulet LP, Tregobov N, Shum J; Canadian Airways Health Literacy Study Group and in honour of the late Dr. J. Mark FitzGerald (JMF).

Respir Care. 2022 Nov 21:respcare.10441. doi: 10.4187/respcare.10441. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36411057/>

**Effect of Singing on Symptoms in Stable COPD: A Systematic Review and Meta-Analysis.**

Fang X, Qiao Z, Yu X, Tian R, Liu K, Han W.

Int J Chron Obstruct Pulmon Dis. 2022 Nov 14;17:2893-2904. doi: 10.2147/COPD.S382037. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36407671/>

**Challenges in physiotherapy of managing respiratory diseases in elderly population.**

Grover S.

Indian J Tuberc. 2022;69 Suppl 2:S280-S286. doi: 10.1016/j.ijtb.2022.10.021. Epub 2022 Nov 1.

<https://pubmed.ncbi.nlm.nih.gov/36400524/>

**Comparison of New Spirometry Measures to Diagnose COPD.**

Moreno Giraldo AMM, Giraldo Cadavid LF, Botero Rosas D, Tuta Quintero E, Maldonado-Franco A, Aponte Murcia HC, Avellaneda Suárez CE, Morales Cely LM, Bastidas AR.

Respir Care. 2022 Nov 22:respcare.10191. doi: 10.4187/respcare.10191. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36414276/>

**Effect of Regular, Low-Dose, Extended-release Morphine on Chronic Breathlessness in Chronic Obstructive Pulmonary Disease: The BEAMS Randomized Clinical Trial.**

Ekström M, Ferreira D, Chang S, Louw S, Johnson MJ, Eckert DJ, Fazekas B, Clark KJ, Agar MR, Currow DC; Australian National Palliative Care Clinical Studies Collaborative.

JAMA. 2022 Nov 22;328(20):2022-2032. doi: 10.1001/jama.2022.20206.

<https://pubmed.ncbi.nlm.nih.gov/36413230/>

**"When I am breathless now, I don't have the fear that's linked to it": a case series on the potential of EMDR to break the dyspnea-anxiety cycle in COPD.**

Mooren K, Smit K, Engels Y, Janssen D, Godschalx J.

BMC Pulm Med. 2022 Dec 1;22(1):456. doi: 10.1186/s12890-022-02250-1.

<https://pubmed.ncbi.nlm.nih.gov/36451139/>

**What is the impact of home non-invasive ventilation on the health-related quality of life of patients with chronic obstructive pulmonary disease? A systematic review.**

Breen A, Avsar P, Moore Z, O'Connor T, Nugent L, Patton D.

Qual Life Res. 2022 Dec 1. doi: 10.1007/s11136-022-03310-z. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36456732/>

**Impact of a mobile integrated healthcare and community paramedicine program on improving medication adherence in patients with heart failure and chronic obstructive pulmonary disease after hospital discharge: A pilot study.**

Sokan O, Stryckman B, Liang Y, Osotimehin S, Gingold DB, Blakeslee WW, Moore MJ, Banas CA, Landi CT, Rodriguez M.

Explor Res Clin Soc Pharm. 2022 Nov 13;8:100201. doi: 10.1016/j.rcsop.2022.100201. eCollection 2022 Dec.

<https://pubmed.ncbi.nlm.nih.gov/36457714/>

**Home High-Flow Nasal Cannula Oxygen Therapy for Stable Hypercapnic COPD: A Randomized Clinical Trial.**

Nagata K, Horie T, Chohnabayashi N, Jinta T, Tsugitomi R, Shiraki A, Tokioka F, Kadowaki T, Watanabe A, Fukui M, Kitajima T, Sato S, Tsuda T, Kishimoto N, Kita H, Mori Y, Nakayama M, Takahashi K, Tsuboi T, Yoshida M, Hataji O, Fuke S, Kagajo M, Nishine H, Kobayashi H, Nakamura H, Okuda M, Tachibana S, Takata S, Osoreda H, Minami K, Nishimura T, Ishida T, Terada J, Takeuchi N, Kohashi Y, Inoue H, Nakagawa Y, Kikuchi T, Tomii K.

Am J Respir Crit Care Med. 2022 Dec 1;206(11):1326-1335. doi: 10.1164/rccm.202201-0199OC.

<https://pubmed.ncbi.nlm.nih.gov/35771533/>

**Stratification of COPD patients towards personalized medicine: reproduction and formation of clusters.**

van Zelst CM, Goossens LMA, Witte JA, Braunstahl GJ, Hendriks RW, Rutten-van Molken MPMH, Veen JCCMI.

Respir Res. 2022 Dec 9;23(1):336. doi: 10.1186/s12931-022-02256-7.

<https://pubmed.ncbi.nlm.nih.gov/36494786/>

**Design and validation of a multi-task, multi-context protocol for real-world gait simulation.**

Scott K, Bonci T, Salis F, Alcock L, Buckley E, Gazit E, Hansen C, Schwickert L, Aminian K, Bertuletti S, Caruso M, Chiari L, Sharrack B, Maetzler W, Becker C, Hausdorff JM, Vogiatzis I, Brown P, Del Din S, Eskofier B, Paraschiv-Ionescu A, Keogh A, Kirk C, Kluge F, Micó-Amigo EM, Mueller A, Neatrour I, Niessen M, Palmerini L, Sillen H, Singleton D, Ullrich M, Vereijken B, Froehlich M, Brittain G, Caulfield B, Koch S, Carsin AE, Garcia-Aymerich J, Kuederle A, Yarnall A, Rochester L, Cereatti A, Mazzà C; Mobilise-D consortium.

J Neuroeng Rehabil. 2022 Dec 16;19(1):141. doi: 10.1186/s12984-022-01116-1.

<https://pubmed.ncbi.nlm.nih.gov/36522646/>

**Endobronchial valve therapy for patients with advanced emphysema. A report from a tertiary care center in China.**

Yu H, Yang Z, Zhu M, Liang Z, Zhao W, Zhu Q, Chen LA.

Saudi Med J. 2022 Dec;43(12):1397-1401. doi: 10.15537/smj.2022.43.12.20220527.

<https://pubmed.ncbi.nlm.nih.gov/36517067/>

**Smoking Cessation Interventions for Patients With Chronic Obstructive Pulmonary Disease: A NARRATIVE REVIEW WITH IMPLICATIONS FOR PULMONARY REHABILITATION.**

Coleman SRM, Menson KE, Kaminsky DA, Gaalema DE.

J Cardiopulm Rehabil Prev. 2022 Dec 14. doi: 10.1097/HCR.0000000000000764. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36515573/>

**Current pharmacological strategies for symptomatic reduction of persistent breathlessness - a literature review.**

Ferreira DH, Kochovska S, McNeill R, Currow DC.

Expert Opin Pharmacother. 2022 Dec 16. doi: 10.1080/14656566.2022.2160239. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36525673/>

**Health literacy in asthma and chronic obstructive pulmonary disease (COPD) care: a narrative review and future directions.**

Poureslami I, FitzGerald JM, Tregobov N, Goldstein RS, Lougheed MD, Gupta S.

Respir Res. 2022 Dec 19;23(1):361. doi: 10.1186/s12931-022-02290-5.

<https://pubmed.ncbi.nlm.nih.gov/36529734/>

**A Panoramic View of Patients' Beliefs and Knowledge About Chronic Respiratory Disease.**

Padmanabhan M, Kadhiravan T, Rajaram M, Batmanabane G.

Cureus. 2022 Nov 18;14(11):e31633. doi: 10.7759/cureus.31633. eCollection 2022 Nov.

<https://pubmed.ncbi.nlm.nih.gov/36540505/>

**Occupational therapy for improving occupational performance in COPD patients: A scoping review.**

Goubeau G, Mandigout S, Sombardier T, Borel B.

Can J Occup Ther. 2022 Dec 27:84174221148037. doi: 10.1177/00084174221148037. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/36575643/>

**Smoking quit rates among patients receiving pharmacotherapy who received general practitioner counselling versus intensive counselling: a retrospective cohort study.**

Yehoshua I, Adler L, Hermoni SA, Mizrahi Reuveni M, Bilitzky A, Oren K, Zacay G.

BMC Prim Care. 2022 Dec 27;23(1):340. doi: 10.1186/s12875-022-01953-y.

<https://pubmed.ncbi.nlm.nih.gov/36575392/>

**Doctors' and Nurses' Knowledge and Perceived Barriers Regarding Acute Oxygen Therapy in a Tertiary Care Hospital in Nigeria.**

Desalu OO, Ojuawo OB, Adeoti AO, Oyedepo OO, Aladesanmi AO, Afolayan OJ, Ibraheem RM, Suleiman ZA, Opeyemi CM.

Adv Med Educ Pract. 2022 Dec 19;13:1535-1545. doi: 10.2147/AMEP.S378533. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36568879/>

**Risk of Rapid Lung Function Decline in Young Adults With Chronic Obstructive Pulmonary Disease: A Community-Based Prospective Cohort Study.**

Kim SH, Lee H, Joo H, Choi H, Sim YS, Rhee CK, Park YB, Kim Y, Yoo KH.

J Korean Med Sci. 2023 Jan 2;38(1):e3. doi: 10.3346/jkms.2023.38.e3.

<https://pubmed.ncbi.nlm.nih.gov/36593687/>

**What are the benefits of using self-management plans for COPD patients in the community: a critical review of the literature.**

Boyer P.

Br J Community Nurs. 2023 Jan 2;28(1):22-32. doi: 10.12968/bjcn.2023.28.1.22.

<https://pubmed.ncbi.nlm.nih.gov/36592089/>

**Accelerated loss of trunk muscle density and size at L1 vertebral level in male patients with COPD.**

Wang Y, Li S, Zhang Z, Sun S, Feng J, Chen J, Pei Y, Peng X.

Front Endocrinol (Lausanne). 2022 Dec 15;13:1087110. doi: 10.3389/fendo.2022.1087110. eCollection 2022.

<https://pubmed.ncbi.nlm.nih.gov/36589831/>