



ERS literature update September-October 2023

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

Development and implementation of the lung volume reduction pulmonary rehabilitation tool to identify eligibility for lung volume reduction in people with chronic obstructive pulmonary disease during pulmonary rehabilitation.

Buttery SC, Williams PJ, Brighton LJ, Batista C, Dewar A, Hogg L, Ingram K, Korff G, Koulopoulou M, Lammin H, Maddocks M, McDonnell L, Mehta B, Meyrick V, Pritchard L, Smith O, Trivedi P, Lawson RA, Hopkinson NS.
Chron Respir Dis. 2023 Jan-Dec;20:14799731231198863. doi: 10.1177/14799731231198863.
<https://pubmed.ncbi.nlm.nih.gov/37658799/>

Effect of a pulmonary rehabilitation program combined with cognitive training on exercise tolerance and cognitive functions among Tunisian male patients with chronic obstructive pulmonary disease: A randomized controlled trial.

Tabka O, Sanaa I, Mekki M, Acheche A, Paillard T, Trabelsi Y.
Chron Respir Dis. 2023 Jan-Dec;20:14799731231201643. doi: 10.1177/14799731231201643.
<https://pubmed.ncbi.nlm.nih.gov/37691169/>

Cognitive behavioural therapy combined with physical activity behavioural modification strategies during pulmonary rehabilitation in patients with COPD.

Armstrong M, Hume E, McNeillie L, Chambers F, Wakenshaw L, Burns G, Heslop Marshall K, Vogiatzis I.
ERJ Open Res. 2023 Sep 11;9(5):00074-2023. doi: 10.1183/23120541.00074-2023.
eCollection 2023 Sep.
<https://pubmed.ncbi.nlm.nih.gov/37701362/>

Pulmonary rehabilitation and risk of fall in elderly with chronic obstructive pulmonary disease.

Tarasconi M, Oliva FM, Ambrosino N, Sotgiu G, Sadleri L, Zampogna E, Mentasti O, Spanevello A, Visca D.
Panminerva Med. 2023 Sep 15. doi: 10.23736/S0031-0808.23.04892-9. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37712861/>

Core outcome set for pulmonary rehabilitation of patients with COPD: results of a modified Delphi survey.

Souto-Miranda S, Saraiva I, Spruit MA, Marques A.

Thorax. 2023 Sep 27:thorax-2023-220522. doi: 10.1136/thorax-2023-220522. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37758457/>

Virtual Reality for Pulmonary Rehabilitation: Comprehensive Review.

Pittara M, Matsangidou M, Pattichis CS.

JMIR Rehabil Assist Technol. 2023 Oct 2;10:e47114. doi: 10.2196/47114.

<https://pubmed.ncbi.nlm.nih.gov/37782529/>

Barriers to adherence to home-based pulmonary rehabilitation among patients with chronic obstructive pulmonary disease in Iran: a descriptive qualitative study.

Sami R, Salehi K, Hashemi M, Haghighat S, Atashi V.

BMJ Open. 2023 Oct 6;13(10):e073972. doi: 10.1136/bmjopen-2023-073972.

<https://pubmed.ncbi.nlm.nih.gov/37802628/>

Pulmonary rehabilitation is associated with decreased exacerbation and mortality in patients with chronic obstructive pulmonary disease: A nationwide Korean study.

Choi JY, Kim KU, Kim DK, Kim YI, Kim TH, Lee WY, Park SJ, Park YB, Song JW, Shin KC, Um SJ, Yoo KH, Yoon HK, Lee CY, Lee HS, Leem AY, Choi WI, Lim SY, Rhee CK; Korean Pulmonary Rehabilitation Study Group.

Chest. 2023 Oct 6:S0012-3692(23)05548-4. doi: 10.1016/j.chest.2023.09.026. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37806492/>

Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease Patients with Underlying Alpha-1 Antitrypsin Deficiency: A Systematic Review and Practical Recommendations.

Alwadani FA, Wheeler K, Pittaway H, Turner AM.

Chronic Obstr Pulm Dis. 2023 Oct 9. doi: 10.15326/jcopdf.2023.0434. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37813825/>

Comprehensive pulmonary rehabilitation for a 90-year-old patient with intertrochanteric fracture complicated by chronic obstructive pulmonary disease: a case report.

Teng H, Tian J, Shu Q.

Physiother Theory Pract. 2023 Oct 16:1-7. doi: 10.1080/09593985.2023.2268170. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37842788/>

Pulmonary rehabilitation for acute exacerbations of COPD: A systematic review.

Meneses-Echavez JF, Chavez Guapo N, Loaiza-Betancur AF, Machado A, Bidonde J.

Respir Med. 2023 Oct 17:107425. doi: 10.1016/j.rmed.2023.107425. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37858727/>

Influence of pulmonary rehabilitation on symptoms of anxiety and depression in interstitial lung disease: A systematic review of randomized controlled trials.

Luu B, Gupta A, Fabiano N, Wong S, Fiedorowicz JG, Fidler L, Shorr R, Solmi M.

Respir Med. 2023 Oct 18:107433. doi: 10.1016/j.rmed.2023.107433. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37863339/>

Developing a home-based pulmonary rehabilitation programme for patients with chronic respiratory diseases in Malaysia: A mixed-method feasibility study.

Chan SC, Patrick Engksan J, Jeevajothi Nathan J, Sekhon JK, Hussein N, Suhaimi A, Hanafi NS, Pang YK, Mohamad Yatim S, Habib GMM, Pinnock H, Khoo EM; RESPIRE Collaboration.

J Glob Health. 2023 Oct 27;13:04099. doi: 10.7189/jogh.13.04099.

<https://pubmed.ncbi.nlm.nih.gov/37883199/>

EXERCISE TESTING AND TRAINING

Reference equations for quadriceps strength, endurance and power: a multicentre study.

Tanguay S, Saey D, Marklund S, Nyberg A, Gephine S, Frykholm E, De Brandt J, Burtin C, Maltais F.

ERJ Open Res. 2023 Aug 29;9(4):00313-2023. doi: 10.1183/23120541.00313-2023.

eCollection 2023 Jul.

<https://pubmed.ncbi.nlm.nih.gov/37650093/>

The six-minute walk test - a reliable test for detection of exercise-related desaturation in patients with chronic obstructive pulmonary disease.

Kalinov R, Marinov B, Vladimirova-Kitova L, Hodzhev V, Kostianev S.

Folia Med (Plovdiv). 2023 Aug 31;65(4):569-576. doi: 10.3897/folmed.65.e85983.

<https://pubmed.ncbi.nlm.nih.gov/37655374/>

Laryngeal widening and adequate ventilation by expiratory pressure load training improve aerobic capacity in COPD: a randomised controlled trial.

Miki K, Tsujino K, Fukui M, Miki M, Kitajima T, Sumitani H, Hashimoto K, Yokoyama M, Hashimoto H, Nii T, Matsuki T, Kida H; for EPT study group.

Thorax. 2023 Sep 11:thorax-2022-219755. doi: 10.1136/thorax-2022-219755. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37696622/>

Effects of Tai Chi on Lung Function, Exercise Capacity and Psychosocial Outcomes in Patients With Chronic Obstructive Pulmonary Disease: Systematic Review and Meta-analysis of Randomized Controlled Trials.

Yang Y, Yang L, Yang X, Tian Y.

Biol Res Nurs. 2023 Oct;25(4):635-646. doi: 10.1177/10998004231178318.

<https://pubmed.ncbi.nlm.nih.gov/37210672/>

Barriers and Facilitators to Exercise Compliance for Community Elders with COPD: A Cross-Sectional Study.

Xia J, Yang J, Yang X, Zhang S, Guo H, Zhang C.

Int J Chron Obstruct Pulmon Dis. 2023 Sep 8;18:1965-1974. doi: 10.2147/COPD.S424137. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37705674/>

Effects of combined endurance and resistance eccentric training on muscle function and functional performance in patients with chronic obstructive pulmonary disease: randomized controlled trial.

Pancera S, Lopomo NF, Porta R, Sanniti A, Buraschi R, Bianchi LNC.
Arch Phys Med Rehabil. 2023 Sep 14;S0003-9993(23)00528-2. doi:
10.1016/j.apmr.2023.09.004. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37716519/>

Use of automatic 6-minute walking test recording system in patients with chronic respiratory diseases.

Torres-Castro R, Pascual H, Alonso A, Gimeno-Santos E, Palomo M, Barberà JA, Bigorra J, Batlle J, Masip-Bruin X, Blanco I.
Pulmonology. 2023 Oct 1;S2531-0437(23)00166-6. doi: 10.1016/j.pulmoe.2023.08.011.
Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37783641/>

Changes in diaphragm thickness and 6-min walking distance improvement after inspiratory muscle training in patients with chronic obstructive pulmonary disease: Clinical trial.

Ichiba T, Miyagawa T, Tsuda T, Kera T, Yasuda O.
Heliyon. 2023 Sep 15;9(9):e20079. doi: 10.1016/j.heliyon.2023.e20079. eCollection 2023
Sep.
<https://pubmed.ncbi.nlm.nih.gov/37809500/>

Minimal-Resource Home Exercise Program Improves Activities of Daily Living, Perceived Health Status, and Shortness of Breath in Individuals with COPD Stages GOLD II to IV.

Ribeiro Moço VJ, Gulart AA, Lopes AJ, de Sá Ferreira A, da Fonseca Reis LF.
COPD. 2023 Dec;20(1):298-306. doi: 10.1080/15412555.2023.2253907. Epub 2023 Oct 18.
<https://pubmed.ncbi.nlm.nih.gov/37850828/>

Clinical effect of aerobic exercise training in chronic obstructive pulmonary disease: A retrospective study.

Zeng Q, Liao W, Fang W, Liu S, Duan C, Dai Y, Wei C.
Medicine (Baltimore). 2023 Oct 20;102(42):e35573. doi: 10.1097/MD.00000000000035573.
<https://pubmed.ncbi.nlm.nih.gov/37861566/>

The impact of sport on the physical, psychological and social wellbeing of people with chronic breathlessness: A mixed-methods systematic review.

Bradford C, Martin D, J Loughran K, Robertson N, Carne A, Skidmore N, L Harrison S.
Clin Rehabil. 2023 Dec;37(12):1611-1636. doi: 10.1177/02692155231190770.
<https://pubmed.ncbi.nlm.nih.gov/37518887/>

The Effects of Exercise Training in Patients With Persistent Dyspnea Following Pulmonary Embolism: A Randomized Controlled Trial.

Jervan Ø, Haukeland-Parker S, Gleditsch J, Tavoly M, Klok FA, Steine K, Johannessen HH, Spruit MA, Atar D, Holst R, Astrup Dahm AE, Sirnes PA, Stavem K, Ghanima W.
Chest. 2023 Oct;164(4):981-991. doi: 10.1016/j.chest.2023.04.042. Epub 2023 May 5.
<https://pubmed.ncbi.nlm.nih.gov/37149257/>

Effectiveness of Water-Based Exercise in Patients with Chronic Obstructive Pulmonary Disease: Systematic Review and Meta-Analysis.

Benzo-Iglesias MJ, Rocamora-Pérez P, Valverde-Martínez MÁ, García-Luengo AV, López-Liria R.

Sensors (Basel). 2023 Oct 18;23(20):8557. doi: 10.3390/s23208557.

<https://pubmed.ncbi.nlm.nih.gov/37896650/>

PHYSICAL ACTIVITY

Assessment of sedentary behaviour in individuals with COPD: how many days are necessary?

Bertoche MP, Furlanetto KC, Hirata RP, Sartori L, Schneider LP, Mantoani LC, Brito I, Dala Pola DC, Hernandez NA, Pitta F.

ERJ Open Res. 2023 Aug 29;9(4):00732-2022. doi: 10.1183/23120541.00732-2022.

eCollection 2023 Jul.

<https://pubmed.ncbi.nlm.nih.gov/37650084/>

Identifying the Characteristics of Responders and Nonresponders in a Behavioral Intervention to Increase Physical Activity Among Patients With Moderate to Severe Asthma: Protocol for a Prospective Pragmatic Study.

de Lima FF, Lunardi AC, Pinheiro DHA, Carvalho-Pinto RM, Stelmach R, Giavina-Bianchi P, Agondi RC, Carvalho CR.

JMIR Res Protoc. 2023 Aug 31;12:e49032. doi: 10.2196/49032.

<https://pubmed.ncbi.nlm.nih.gov/37651174/>

Determinants of daily physical activity limitation in patients with idiopathic pulmonary fibrosis.

Sikora M, Jastrzębski D, Pilzak K, Osiadło G, Ziora D, Żebrowska A.

Respir Physiol Neurobiol. 2023 Oct;316:104139. doi: 10.1016/j.resp.2023.104139.

<https://pubmed.ncbi.nlm.nih.gov/37579930/>

Effects of pharmacological and non-pharmacological interventions on physical activity outcomes in COPD: a systematic review and meta-analysis.

Megaritis D, Hume E, Chynkiamis N, Buckley C, Polhemus AM, Watz H, Troosters T, Vogiatzis I.

ERJ Open Res. 2023 Sep 25;9(5):00409-2023. doi: 10.1183/23120541.00409-2023.

eCollection 2023 Sep.

<https://pubmed.ncbi.nlm.nih.gov/37753290/>

Sustaining training effects through physical activity coaching (STEP): a randomized controlled trial.

Loeckx M, Rodrigues FM, Blondeel A, Everaerts S, Janssens W, Demeyer H, Troosters T.

Int J Behav Nutr Phys Act. 2023 Oct 10;20(1):121. doi: 10.1186/s12966-023-01519-w.

<https://pubmed.ncbi.nlm.nih.gov/37814266/>

Home-Based Physical Activity Program With Health Coaching for participants With Chronic Obstructive Pulmonary Disease in Sweden: A Proof-of-Concept Pilot Study.

Benzo MV, Hagströmer M, Nygren-Bonnier M, Benzo RP, Papp ME.
Mayo Clin Proc Innov Qual Outcomes. 2023 Sep 30;7(5):470-475. doi:
10.1016/j.mayocpiqo.2023.07.005. eCollection 2023 Oct.
<https://pubmed.ncbi.nlm.nih.gov/37811474/>

Stakeholder Perceptions of a Web-Based Physical Activity Intervention for COPD: A Mixed-Methods Study.

Robinson SA, Shimada SL, Sliwinski SK, Wiener RS, Moy ML.
J Clin Med. 2023 Sep 29;12(19):6296. doi: 10.3390/jcm12196296.
<https://pubmed.ncbi.nlm.nih.gov/37834938/>

Effects of Pedometer-Based Step-Feedback on Physical Activity of Severe COPD Patients.

Tsujimura Y, Akiyama A, Hiramatsu T, Mikawa K, Tabira K.
Int J Chron Obstruct Pulmon Dis. 2023 Oct 17;18:2277-2287. doi: 10.2147/COPD.S415958.
eCollection 2023.
<https://pubmed.ncbi.nlm.nih.gov/37868622/>

Physical activity and sedentary behaviour in patients admitted with COPD: Associated factors.

Esteban C, Antón-Ladislao A, Aramburu A, Chasco L, Orive M, Sobradillo P, López-Roldan L, Jiménez-Puente A, de Miguel J, García-Talavera I, Quintana JM; ReEPOC-REDISSEC group.
Respir Med Res. 2023 Oct 6;84:101052. doi: 10.1016/j.resmer.2023.101052. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37897880/>

TELEMEDICINE*

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

Remote patient monitoring strategies and wearable technology in chronic obstructive pulmonary disease.

Coutu FA, Iorio OC, Ross BA.
Front Med (Lausanne). 2023 Aug 17;10:1236598. doi: 10.3389/fmed.2023.1236598.
eCollection 2023.
<https://pubmed.ncbi.nlm.nih.gov/37663662/>

Telemonitoring in Patients with Asthma: A Systematic Review.

Fadaizadeh L, Veleiyati F, Sanaat M.
J Asthma. 2023 Sep 5:1-25. doi: 10.1080/02770903.2023.2255267. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37668320/>

Effective Behavior Change Techniques in Digital Health Interventions for the Prevention or Management of Noncommunicable Diseases: An Umbrella Review.

Mair JL, Salamanca-Sanabria A, Augsburg M, Frese BF, Abend S, Jakob R, Kowatsch T, Haug S.
Ann Behav Med. 2023 Sep 13;57(10):817-835. doi: 10.1093/abm/kaad041.
<https://pubmed.ncbi.nlm.nih.gov/37625030/>

Smartphone application-based rehabilitation in patients with chronic respiratory and cardiovascular diseases: a randomised controlled trial study protocol.

Chung C, Kim AR, Jang IY, Jo MW, Lee S, Kim D, Kwon H, Kang DY, Lee SW.
BMJ Open. 2023 Sep 20;13(9):e072698. doi: 10.1136/bmjopen-2023-072698.
<https://pubmed.ncbi.nlm.nih.gov/37730392/>

Use of telemonitoring in patient self-management of chronic disease: a qualitative meta-synthesis.

Creber A, Leo DG, Buckley BJR, Chowdhury M, Harrison SL, Isanejad M, Lane DA; TAILOR investigators.
BMC Cardiovasc Disord. 2023 Sep 19;23(1):469. doi: 10.1186/s12872-023-03486-3.
<https://pubmed.ncbi.nlm.nih.gov/37726655/>

Are older adults considered in asthma and chronic obstructive pulmonary disease mobile health research? A scoping review.

Kouri A, Wong EKC, Sale JEM, Straus SE, Gupta S.
Age Ageing. 2023 Sep 1;52(9):afad144. doi: 10.1093/ageing/afad144.
<https://pubmed.ncbi.nlm.nih.gov/37742283/>

Measuring disparities in virtual healthcare and outcomes in chronic obstructive pulmonary disease patients during the COVID-19 pandemic.

Cherabuddi MR, Shadid AM, Obeidat L, Jesse M, Bradley P.
J Telemed Telecare. 2023 Sep 27;1357633X231202283. doi: 10.1177/1357633X231202283.
Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37753613/>

Re-admission and quality of life among patients with chronic obstructive pulmonary disease after telemedicine video nursing consultation - a randomized study.

Saleh S, Skeie S, Grundt H.
Multidiscip Respir Med. 2023 Sep 11;18(1):918. doi: 10.4081/mrm.2023.918.
<https://pubmed.ncbi.nlm.nih.gov/37753200/>

The Use of eHealth for Pharmacotherapy Management With Patients With Respiratory Disease, Cardiovascular Disease, or Diabetes: Scoping Review.

Bakema R, Smirnova D, Biri D, Kocks JWH, Postma MJ, de Jong LA.
J Med Internet Res. 2023 Sep 26;25:e42474. doi: 10.2196/42474.
<https://pubmed.ncbi.nlm.nih.gov/37751232/>

Analysis of the effectiveness of remote intervention of patients affected by chronic diseases: A systematic review and meta-analysis.

de Rezende DRB, Neto IA, Lunes DH, Carvalho LC.
J Med Access. 2023 Sep 28;7:27550834231197316. doi: 10.1177/27550834231197316.
eCollection 2023 Jan-Dec.
<https://pubmed.ncbi.nlm.nih.gov/37781504/>

Overcoming the Digital Divide for Older Patients With Respiratory Disease: Focus Group Study.

Metting E, van Luenen S, Baron AJ, Tran A, van Duinhoven S, Chavannes NH, Hevink M, Lüers J, Kocks J.

JMIR Form Res. 2023 Oct 3;7:e44028. doi: 10.2196/44028.

<https://pubmed.ncbi.nlm.nih.gov/37788072/>

Factors Associated with the e-Health Literacy Among Older Adults with Chronic Obstructive Pulmonary Disease: A Cross-Sectional Study.

Jiang Y, Gao J, Sun P, Nan J, Zou X, Sun M, Song X.

Telemed J E Health. 2023 Oct 18. doi: 10.1089/tmj.2023.0394. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37851981/>

Mixed-Methods Assessment of a Virtual Reality-Based System for Pulmonary Rehabilitation.

Gabriel AS, Tsai TY, Xhakli T, Finkelstein J.

Stud Health Technol Inform. 2023 Oct 20;309:245-249. doi: 10.3233/SHTI230789.

<https://pubmed.ncbi.nlm.nih.gov/37869851/>

Effects of Home-Based Training with Internet Telehealth Guidance in COPD Patients Entering Pulmonary Rehabilitation: A Systematic Review.

Hartman M, Mináriková J, Batalik L, Pepera G, Su JJ, Formiga MF, Cahalin L, Dosbaba F.

Int J Chron Obstruct Pulmon Dis. 2023 Oct 19;18:2305-2319. doi: 10.2147/COPD.S425218. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37876660/>

PATIENT REPORTED OUTCOME MEASURES

Measuring skill-based health literacy in chronic airway disease patients: the development and psychometric evaluation of the Vancouver airways health literacy tool (VAHLT).

Hohn RE, Kopec JA, Sawatzky R, Poureslami I, FitzGerald JM.

Qual Life Res. 2023 Oct;32(10):2875-2886. doi: 10.1007/s11136-023-03447-5.

<https://pubmed.ncbi.nlm.nih.gov/37428406/>

Psychometric Properties of the Short Scale Anxiety Sensitivity Index Among Adults with Chronic Respiratory Disease.

Clark HL, Dixon LJ, Ramachandran S, Leukel PJ, Lee AA.

J Clin Psychol Med Settings. 2023 Sep 28. doi: 10.1007/s10880-023-09976-y. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37770802/>

Health-related quality of life and its associated factors in patients with chronic obstructive pulmonary disease.

Jarab AS, Al-Qerem W, Alzoubi KH, Abu Heshmeh S, Mukattash TL, Naser AY, Al Hamarneh YN.

PLoS One. 2023 Oct 26;18(10):e0293342. doi: 10.1371/journal.pone.0293342. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37883370/>

Polish Adaptation and Psychometric Validation of the PREM-C9 Questionnaire for Patients with Chronic Obstructive Pulmonary Disease.

Damps-Konstańska I, Ciećko W, Jassem E, Bandurski T, Bosek D, Olszewska-Karaban M, Bandurska E.

Healthcare (Basel). 2023 Oct 16;11(20):2746. doi: 10.3390/healthcare11202746.

<https://pubmed.ncbi.nlm.nih.gov/37893819/>

INTERSTITIAL LUNG DISEASE

Impact of chronic fibrosing interstitial lung disease on healthcare use: association between fvc decline and inpatient hospitalization.

Singer D, Chastek B, Sargent A, Johnson JC, Shetty S, Conoscenti C, Bernstein EJ.

BMC Pulm Med. 2023 Sep 9;23(1):337. doi: 10.1186/s12890-023-02637-8.

<https://pubmed.ncbi.nlm.nih.gov/37689630/>

The interplay of physical and cognitive function in rehabilitation of interstitial lung disease patients: a narrative review.

Hanada M, Tanaka T, Kozu R, Ishimatsu Y, Sakamoto N, Orchanian-Cheff A, Rozenberg D, Reid WD.

J Thorac Dis. 2023 Aug 31;15(8):4503-4521. doi: 10.21037/jtd-23-209.

<https://pubmed.ncbi.nlm.nih.gov/37691666/>

Holistic management of patients with progressive pulmonary fibrosis.

Oliveira A, Fabbri G, Gille T, Bargagli E, Duchemann B, Evans R, Pinnock H, Holland AE, Renzoni E, Ekström M, Jones S, Wijsenbeek M, Dinh-Xuan AT, Vaghegini G.

Breathe (Sheff). 2023 Sep;19(3):230101. doi: 10.1183/20734735.0101-2023. Epub 2023 Sep 12.

<https://pubmed.ncbi.nlm.nih.gov/37719243/>

Chester step test to identify functional impairment in interstitial lung disease.

Paixão C, Alves A, Grave AS, Ferreira PG, Brooks D, Marques A.

Pulmonology. 2023 Sep 22:S2531-0437(23)00158-7. doi: 10.1016/j.pulmoe.2023.08.002.

Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37743173/>

Association of the 6-minute walking test ratio and difference with pulmonary function in patients with interstitial lung disease.

Yang R, Wang Y, Hao L, Zhao G, Liu X.

Saudi Med J. 2023 Oct;44(10):1000-1005. doi: 10.15537/smj.2023.44.10.20220940.

<https://pubmed.ncbi.nlm.nih.gov/37777275/>

Patient perspectives on home-spirometry in interstitial lung disease: a qualitative co-designed study.

Mandizha J, Lanario JW, Duckworth A, Lines S, Paiva A, Elworthy V, Muraleedharan V, Da Ponte AJ, Shuttleworth R, Brown G, Almond H, Bond C, Cosby M, Dallas J, Naqvi M, Russell AD, Berry A, Gibbons M, Scotton CJ, Russell AM.

BMJ Open Respir Res. 2023 Oct;10(1):e001837. doi: 10.1136/bmjresp-2023-001837.

<https://pubmed.ncbi.nlm.nih.gov/37793682/>

Impact of HRCT pattern on six-minute walk test in patients with interstitial lung disease-An observational study.

Saxena P, Singh I, Kumar A, Kartik S, Malik V, Tiwari S, Akhil KR, Pattanayak S, Velangi VG, Jain H.

Lung India. 2023 Sep-Oct;40(5):429-433. doi: 10.4103/lungindia.lungindia_165_23.

<https://pubmed.ncbi.nlm.nih.gov/37787356/>

Quality of life in sarcoidosis.

Moor CC, Obi ON, Kahlmann V, Buschulte K, Wijsenbeek MS.

J Autoimmun. 2023 Oct 7:103123. doi: 10.1016/j.jaut.2023.103123. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37813805/>

Low Daily Step Count Associated with Small Erector Spine Muscle Area and Sarcopenia in Idiopathic Pulmonary Fibrosis.

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

Intern Med. 2023 Oct 13. doi: 10.2169/internalmedicine.2584-23. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37839878/>

Five-Repetition Sit-to-Stand Test: Responsiveness and Minimal Important Difference in Idiopathic Pulmonary Fibrosis.

Trivedi P, Patel S, Edwards G, Jenkins T, Man WD, Nolan CM.

Ann Am Thorac Soc. 2023 Oct 17. doi: 10.1513/AnnalsATS.202306-561OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37847730/>

Walking the path of treatable traits in interstitial lung diseases.

Amati F, Spagnolo P, Ryerson CJ, Oldham JM, Gramegna A, Stainer A, Mantero M, Sverzellati N, Lacedonia D, Richeldi L, Blasi F, Aliberti S.

Respir Res. 2023 Oct 24;24(1):251. doi: 10.1186/s12931-023-02554-8.

<https://pubmed.ncbi.nlm.nih.gov/37872563/>

A Tai Chi Class Collaboratively Developed for Persons With Interstitial and Other Lung Diseases: An Ethnographic Investigation.

Kilgore K, Leinfelder J, Campbell J, Wayne PM, Hallowell RW, Barakat A.

Glob Adv Integr Med Health. 2023 Oct 25;12:27536130231206122. doi: 10.1177/27536130231206122. eCollection 2023 Jan-Dec.

<https://pubmed.ncbi.nlm.nih.gov/37901846/>

Rectus Femoris Cross-Sectional Area and Phase Angle as Predictors of 12-Month Mortality in Idiopathic Pulmonary Fibrosis Patients.

Fernández-Jiménez R, Cabrera Cesar E, Sánchez García A, Espíldora Hernández F, Vegas-Aguilar IM, Amaya-Campos MDM, Cornejo-Pareja I, Guirado-Peláez P, Simón-Frapolli V, Murri M, Garrido-Sánchez L, Martínez Mesa A, Piñel-Jimenez L, Benítez-Cano Gamonoso M,

Dalla-Rovere L, García Olivares M, Velasco-Garrido JL, Tinahones-Madueño F, García-Almeida JM.

Nutrients. 2023 Oct 22;15(20):4473. doi: 10.3390/nu15204473.

<https://pubmed.ncbi.nlm.nih.gov/37892547/>

ASTHMA

Dietary Inflammatory Index and clinical outcome measures in adults with moderate to severe asthma.

Visser E, de Jong K, van Zutphen T, Kerstjens HAM, Ten Brinke A.

J Allergy Clin Immunol Pract. 2023 Aug 29:S2213-2198(23)00955-8. doi:

10.1016/j.jaip.2023.08.032. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37652347/>

Relationship Between Asthma Control Status and Health-Related Quality of Life in Japan: A Cross-Sectional Mixed-Methods Study.

Nagase H, Ito R, Ishii M, Shibata H, Suo S, Mukai I, Zhang S, Rothnie KJ, Trennery C, Yuanita L, Ishii T.

Adv Ther. 2023 Sep 12. doi: 10.1007/s12325-023-02660-5. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37698717/>

"Asthma is a very bully disease" - patient experiences of living with chronic respiratory diseases in Cape Town, South Africa.

Stolbrink M, Streicher C, Mcimeli K, Allwood B, Mortimer K, Chinouya M.

Int J Equity Health. 2023 Sep 14;22(1):190. doi: 10.1186/s12939-023-02002-5.

<https://pubmed.ncbi.nlm.nih.gov/37710307/>

The Therapeutic Role of Inspiratory Muscle Training in The Management of Asthma: A Narrative Review.

Sogard AS, Mickleborough TD.

Am J Physiol Regul Integr Comp Physiol. 2023 Sep 18. doi: 10.1152/ajpregu.00325.2022.

Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37720997/>

Metabolic dysfunction, triglyceride-glucose index, and risk of severe asthma exacerbation.

Staggers KA, Minard C, Byers M, Helmer DA, Wu TD.

J Allergy Clin Immunol Pract. 2023 Sep 14:S2213-2198(23)01009-7. doi:

10.1016/j.jaip.2023.09.001. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37716524/>

Effects of low workload respiratory training with steam inhalation on lung function in stable asthma: a controlled clinical study.

Kuronen I, Heinijoki J, Sovijärvi A.

Clin Physiol Funct Imaging. 2023 Sep 25. doi: 10.1111/cpf.12856. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37749950/>

Key Considerations When Addressing Physical Inactivity and Sedentary Behaviour in People with Asthma.

Urroz Guerrero PD, Oliveira JM, Lewthwaite H, Gibson PG, McDonald VM.
J Clin Med. 2023 Sep 15;12(18):5998. doi: 10.3390/jcm12185998.

<https://pubmed.ncbi.nlm.nih.gov/37762938/>

A self-management app to improve asthma control in adults with limited health literacy: a mixed-method feasibility study.

Salim H, Cheong AT, Sharif-Ghazali S, Lee PY, Lim PY, Khoo EM, Hussein N, Harrun NH, Ho BK, Pinnock H; RESPIRE Collaboration.

BMC Med Inform Decis Mak. 2023 Sep 27;23(1):194. doi: 10.1186/s12911-023-02300-6.

<https://pubmed.ncbi.nlm.nih.gov/37759184/>

Asthma Moderates the Association between the Big Five Personality Traits and Life Satisfaction.

Kang W, Malvaso A, Whelan E.

Healthcare (Basel). 2023 Sep 16;11(18):2560. doi: 10.3390/healthcare11182560.

<https://pubmed.ncbi.nlm.nih.gov/37761757/>

Characteristics of Severe Asthma Patients and Predictors of Asthma Control in the Swiss Severe Asthma Registry.

Jaun F, Tröster LM, Giezendanne S, Bridevaux PO, Charbonnier F, Clarenbach C, Gianella P, Jochmann A, Kern L, Miedinger D, Pavlov N, Rothe T, Steurer-Stey C, von Garnier C, Leuppi JD.

Respiration. 2023 Sep 28;1-16. doi: 10.1159/000533474. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37769646/>

Comorbidity burden in severe and non-severe asthma: a nationwide observational study (FINASTHMA).

Kankaanranta H, Viinanen A, Ilmarinen P, Hisinger-Mölkänen H, Mehtälä J, Ylisaukko-Oja T, Idänpään-Heikkilä JJ, Lehtimäki L.

J Allergy Clin Immunol Pract. 2023 Oct 3:S2213-2198(23)01066-8. doi: 10.1016/j.jaip.2023.09.034. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37797715/>

Bringing the treatable traits approach to primary care asthma management.

Pfeffer PE, Rupani H, De Simoni A.

Front Allergy. 2023 Sep 20;4:1240375. doi: 10.3389/falgy.2023.1240375. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37799134/>

The Relationships Between Physical Activity and Asthma Control and Body Mass Index (BMI) in Patients with Asthma.

Rockette-Wagner B, Wisnivesky JP, Holguin F, Ankam J, Arora A, Federmann E, Smith V, Federman AD, Conroy M.

J Asthma. 2023 Oct 17;1-13. doi: 10.1080/02770903.2023.2260868. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37847059/>

Therapeutic Goals and Treatable Traits: Long-Term Trends in a Severe Asthma Population.

Almonacid-Sánchez C, García-Cosío B, Trisán-Alonso A, Callejas-González FJ, Cisneros C, Martínez-Moragón E, Plaza Moral V, Vera E, Soto-Campos JG, Martínez-Rivera C, Alcazar-Navarrete B, Urrutia Landa I, García-Rivero JL, Padilla Galo A, Álvarez-Gutierrez F, Ramos-González J, Carretero-Gracia JÁ, Lluch I, Puente L, Andujar-Espinosa R, Pérez-de-Llano L. Arch Bronconeumol. 2023 Oct 5:S0300-2896(23)00310-1. doi: 10.1016/j.arbres.2023.08.017. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37865605/>

Joint associations of asthma and sleep duration with cardiovascular disease and all-cause mortality: A prospective cohort study.

Zhao Y, Cheng X, Song C.

Ann Epidemiol. 2023 Oct 19:S1047-2797(23)00193-X. doi: 10.1016/j.annepidem.2023.10.004. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37865213/>

Real-world use and perceptions of shared decision-making for allergy and asthma care in a US population.

Eghrari-Sabet J, Williams D, Bukstein DA, Winders T, Gardner DD.

World Allergy Organ J. 2023 Oct 10;16(10):100828. doi: 10.1016/j.waojou.2023.100828. eCollection 2023 Oct.

<https://pubmed.ncbi.nlm.nih.gov/37859758/>

One-year sustained and clinically meaningful outcomes following pulmonary rehabilitation in people with difficult-to-treat or severe asthma.

van den Borst B, van Grimbergen I, Robberts B, van Hees HWH, Antons J, van Helvoort H, van Haren-Willems J, Peters JB, Vercoulen J.

J Allergy Clin Immunol Pract. 2023 Oct 20:S2213-2198(23)01147-9. doi: 10.1016/j.jaip.2023.10.030. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37866432/>

The Association of Asthma with Anxiety, Depression, and Mild Cognitive Impairment among Middle-Aged and Elderly Individuals in Saudi Arabia.

Abuaish S, Eltayeb H, Bepari A, Hussain SA, Alqahtani RS, Alshahrani WS, Alqahtani AH, Almegbil NS, Alzahrani WN.

Behav Sci (Basel). 2023 Oct 16;13(10):842. doi: 10.3390/bs13100842.

<https://pubmed.ncbi.nlm.nih.gov/37887495/>

NUTRITION AND NUTRITIONAL STATUS

Incident low muscle mass is associated with greater lung disease and lower circulating leptin in a tobacco-exposed longitudinal cohort.

Zou RH, Nouraie SM, Karoleski C, Zhang Y, Sciruba FC, Forman DE, Bon J.

Respir Res. 2023 Sep 22;24(1):224. doi: 10.1186/s12931-023-02521-3.

<https://pubmed.ncbi.nlm.nih.gov/37737171/>

The Synergistic Effect of Dietary Acid Load Levels and Cigarette Smoking Status on the Risk of Chronic Obstructive Pulmonary Disease (COPD) in Healthy, Middle-Aged Korean Men.

Park J, Ha MR, Song J, Kim OY.

Nutrients. 2023 Sep 20;15(18):4063. doi: 10.3390/nu15184063.

<https://pubmed.ncbi.nlm.nih.gov/37764846/>

Lifestyle Intervention and Excess Weight in COPD: INSIGHT COPD Randomized Clinical Trial.

Au DH, Gleason E, Hunter-Merrill R, Barón AE, Collins M, Ronneberg C, Lv N, Rise P, Wai TH, Plumley R, Wisniewski SR, Scirba F, Kim DY, Simonelli P, Krishnan JA, Wendt CH, Feemster LC, Criner GJ, Maddipati V, Mohan A, Ma J; Pulmonary Trials Cooperative.

Ann Am Thorac Soc. 2023 Sep 28. doi: 10.1513/AnnalsATS.202305-458OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37769182/>

Unintentional weight loss is reflected in worse one-year clinical outcomes among COPD outpatients.

Yde SK, Mikkelsen S, Brath MSG, Holst M.

Clin Nutr. 2023 Sep 24;42(11):2173-2180. doi: 10.1016/j.clnu.2023.09.012. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37778301/>

The role of vitamin D in chronic obstructive pulmonary disease with pulmonary hypertension.

Li M.

Pulm Circ. 2023 Oct 4;13(4):e12294. doi: 10.1002/pul2.12294. eCollection 2023 Oct.

<https://pubmed.ncbi.nlm.nih.gov/37808898/>

Negligible effect of vitamin D supplementation on exacerbation in patients with chronic obstructive pulmonary disease: meta-analysis.

Hua Y, Jiang T, Feng J, Zou M.

Biochem Med (Zagreb). 2023 Oct 15;33(3):030703. doi: 10.11613/BM.2023.030703.

<https://pubmed.ncbi.nlm.nih.gov/37841773/>

Metabolic syndrome, genetic susceptibility, and risk of chronic obstructive pulmonary disease: The UK Biobank Study.

Li S, Zhang T, Yang H, Chang Q, Zhao Y, Chen L, Zhao L, Xia Y.

Diabetes Obes Metab. 2023 Oct 17. doi: 10.1111/dom.15334. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37846527/>

Clinical impacts of sarcopenic obesity on chronic obstructive pulmonary disease: a cross-sectional study.

Wang Z, Zhou X, Deng M, Yin Y, Li Y, Zhang Q, Bian Y, Miao J, Li J, Hou G.

BMC Pulm Med. 2023 Oct 18;23(1):394. doi: 10.1186/s12890-023-02702-2.

<https://pubmed.ncbi.nlm.nih.gov/37853348/>

Physical Health-Related Quality of Life in Relation to Mediterranean Diet Adherence in a Sample of Greek Asthma Patients: A Pilot Study.

Kontopoulou L, Kotsiou OS, Tourlakopoulos K, Karpetas G, Paraskevadaki EV, Malli F, Pantazopoulos I, Daniil Z, Gourgoulianis KI.

J Pers Med. 2023 Oct 20;13(10):1512. doi: 10.3390/jpm13101512.

<https://pubmed.ncbi.nlm.nih.gov/37888123/>

ADVANCED DISEASE / END OF LIFE / PALLIATIVE CARE

Advance care planning for patients with chronic obstructive pulmonary disease on home non-invasive ventilation: A qualitative study exploring barriers, facilitators and patients' and healthcare professionals' recommendations.

Kavanagh E, Rowley G, Simkiss L, Woods E, Gouldthorpe C, Howorth K, Charles M, Kiltie R, Billett H, Mastaglio F, Dewhurst F.

Palliat Med. 2023 Sep 12:2692163231192130. doi: 10.1177/02692163231192130. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37698008/>

Prognostic Factors of Mortality in Non-Chronic Obstructive Pulmonary Disease Chronic Lung Disease: A Scoping Review.

Ng SHX, Chai GT, George PP, Kaur P, Yip WF, Chiam ZY, Neo HY, Tan WS, Hum A.

J Palliat Med. 2023 Sep 13. doi: 10.1089/jpm.2023.0263. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37702606/>

Cost-effectiveness of a specialist palliative care nurse-patient consultation followed by an interprofessional case conference for patients with non-oncological palliative care needs: results of the KOPAL trial.

Gottschalk S, König HH, Mallon T, Schulze J, Weber J, Böttcher S, Sekanina U, Asendorf T, Hummers E, Freitag M, Schneider N, Friede T, Nauck F, Scherer M, Marx G, Dams J.

Ann Palliat Med. 2023 Oct 18:apm-23-88. doi: 10.21037/apm-23-88. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37872126/>

COMORBID CONDITIONS

Association between chronic obstructive pulmonary disease and cardiovascular disease in adults aged 40 years and above: data from NHANES 2013-2018.

Chen H, Luo X, Du Y, He C, Lu Y, Shi Z, Zhou J.

BMC Pulm Med. 2023 Aug 31;23(1):318. doi: 10.1186/s12890-023-02606-1.

<https://pubmed.ncbi.nlm.nih.gov/37653498/>

Anxiety and Depression Among US Nursing Home Residents with Chronic Obstructive Pulmonary Disease.

Osundolire S, Goldberg RJ, Lapane KL.

Int J Chron Obstruct Pulmon Dis. 2023 Aug 28;18:1867-1882. doi: 10.2147/COPD.S417449. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37662488/>

COPD and multimorbidity: recognising and addressing a syndemic occurrence.

Fabbri LM, Celli BR, Agustí A, Criner GJ, Dransfield MT, Divo M, Krishnan JK, Lahousse L, Montes de Oca M, Salvi SS, Stolz D, Vanfleteren LEGW, Vogelmeier CF. Lancet Respir Med. 2023 Sep 8:S2213-2600(23)00261-8. doi: 10.1016/S2213-2600(23)00261-8. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37696283/>

Comorbidities and mortality among patients with chronic obstructive pulmonary disease.

Skajaa N, Laugesen K, Horváth-Puhó E, Sørensen HT. BMJ Open Respir Res. 2023 Oct;10(1):e001798. doi: 10.1136/bmjresp-2023-001798.
<https://pubmed.ncbi.nlm.nih.gov/37797964/>

Exacerbating the burden of cardiovascular disease: how can we address cardiopulmonary risk in individuals with chronic obstructive pulmonary disease?

Shrikrishna D, Taylor CJ, Stonham C, Gale CP. Eur Heart J. 2023 Oct 13:ehad669. doi: 10.1093/eurheartj/ehad669. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37832033/>

Assessment of left ventricular function in subjects with chronic obstructive pulmonary disease.

Mupparapu M, Venkataram R, Baikunje N, D'sa I, Thimmaiah CM. Monaldi Arch Chest Dis. 2023 Oct 16. doi: 10.4081/monaldi.2023.2654. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37846729/>

Anxiety and post-traumatic stress disorders in patients with chronic respiratory diseases.

Yohannes AM. Curr Opin Support Palliat Care. 2023 Dec 1;17(4):290-295. doi: 10.1097/SPC.0000000000000670. Epub 2023 Aug 10.
<https://pubmed.ncbi.nlm.nih.gov/37877447/>

Comorbidities in patients with chronic obstructive pulmonary disease: a comprehensive study.

Ghafil NY, Dananah FM, Hassan ES, Alkaabi YSA. J Med Life. 2023 Jul;16(7):1013-1016. doi: 10.25122/jml-2022-0057.
<https://pubmed.ncbi.nlm.nih.gov/37900064/>

EXACERBATIONS / HOSPITALISATIONS / MORTALITY

Impact of pharmacological and non-pharmacological interventions on mortality in chronic obstructive pulmonary disease (COPD) patients.

Zysman M, Mahay G, Guibert N, Barnig C, Leroy S, Guilleminault L. Respir Med Res. 2023 Jun 24;84:101035. doi: 10.1016/j.resmer.2023.101035. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/37651981/>

Re-exacerbation within 30 days of discharge is associated with poor prognosis in the following year among patients hospitalised with exacerbation of chronic obstructive pulmonary disease: a clinical cohort study.

Wang Y, He R, Dong F, Liu D, Ren X, Yang T, Wang C.

BMJ Open Respir Res. 2023 Aug;10(1):e001759. doi: 10.1136/bmjresp-2023-001759.

<https://pubmed.ncbi.nlm.nih.gov/37640511/>

Year-to-year trajectories of hospital utilisation rates among patients with COPD: a real-world, single-centre, retrospective cohort study.

Yii A, Xu X, Loh CH, Bahety P, Navarro Rojas AA, Milea D, Tee A.

BMJ Open. 2023 Sep 1;13(9):e072571. doi: 10.1136/bmjopen-2023-072571.

<https://pubmed.ncbi.nlm.nih.gov/37657841/>

In-hospital Mortality and Hospital Outcomes among Adults Hospitalized for Exacerbations of Asthma and COPD in Southern Thailand (2017-2021): A Population-based Study.

Nakwan N, Suansan K.

Chin Med Sci J. 2023 Sep 4. doi: 10.24920/004252. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37661819/>

Governmental Non-Pharmaceutical Interventions during the COVID-19 Pandemic and the COPD Exacerbation and Respiratory Infection Rate in Patients with Alpha-1 Antitrypsin Deficiency.

Kappe NN, Alagem N, Tov N, Stolk J.

COPD. 2023 Dec;20(1):292-297. doi: 10.1080/15412555.2023.2249108.

<https://pubmed.ncbi.nlm.nih.gov/37665565/>

Management of Chronic Obstructive Pulmonary Disease (COPD) Exacerbations in Hospitalized Patients From Admission to Discharge: A Comprehensive Review of Therapeutic Interventions.

Khan KS, Jawaid S, Memon UA, Perera T, Khan U, Farwa UE, Jindal U, Afzal MS, Razzaq W, Abdin ZU, Khawaja UA.

Cureus. 2023 Aug 18;15(8):e43694. doi: 10.7759/cureus.43694. eCollection 2023 Aug.

<https://pubmed.ncbi.nlm.nih.gov/37724212/>

Risk Factors for COPD Exacerbations among Individuals without a History of Recent Exacerbations: A COPD Gene Analysis.

Ferrera MC, Lopez CL, Murray S, Jain RG, Labaki WW, Make BJ, Han MK.

Ann Am Thorac Soc. 2023 Oct 5. doi: 10.1513/AnnalsATS.202209-751OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37796613/>

Individual Risk Factors of PM2.5 Associated with Wintertime Mortality in Urban Patients with Chronic Obstructive Pulmonary Disease (COPD).

Aron J, Baldomero AK, Rau A, Fiecas MB, Wendt CH, Berman JD.

Chest. 2023 Oct 17:S0012-3692(23)05642-8. doi: 10.1016/j.chest.2023.10.016. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37858719/>

Development and Validation of Prediction Models for Exacerbation, Frequent Exacerbations and Severe Exacerbations of Chronic Obstructive Pulmonary Disease: A Registry Study in North China.

Zhou Y, He S, Wang W, Wang X, Chen X, Bu X, Li D.

COPD. 2023 Dec;20(1):327-337. doi: 10.1080/15412555.2023.2263562. Epub 2023 Oct 23.

<https://pubmed.ncbi.nlm.nih.gov/37870866/>

Risk Factors for Recurrent Exacerbations in the General-Practitioner-Based Swiss Chronic Obstructive Pulmonary Disease (COPD) Cohort.

Abu Hussein NS, Giezendanner S, Urwyler P, Bridevaux PO, Chhajed PN, Geiser T, Joos Zellweger L, Kohler M, Miedinger D, Pasha Z, Thurnheer R, von Garnier C, Leuppi JD.

J Clin Med. 2023 Oct 23;12(20):6695. doi: 10.3390/jcm12206695.

<https://pubmed.ncbi.nlm.nih.gov/37892832/>

Subtypes of Patients with Mild to Moderate Airflow Limitation as Predictors of Chronic Obstructive Pulmonary Disease Exacerbation.

Kim NE, Kang EH, Jung JY, Lee CY, Lee WY, Lim SY, Park DI, Yoo KH, Jung KS, Lee JH.

J Clin Med. 2023 Oct 20;12(20):6643. doi: 10.3390/jcm12206643.

<https://pubmed.ncbi.nlm.nih.gov/37892781/>

COVID-19

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

Post-acute sequelae of COVID-19 in older persons: multi-organ complications and mortality.

Wan EYF, Zhang R, Mathur S, Yan VKC, Lai FTT, Chui CSL, Li X, Wong CKH, Chan EWY, Lau CS, Wong ICK.

J Travel Med. 2023 Sep 5;30(5):taad082. doi: 10.1093/jtm/taad082.

<https://pubmed.ncbi.nlm.nih.gov/37310901/>

Psychological impact of the COVID-19 pandemic on people with asthma: a co-produced mixed-methods study.

Jackson T, McClatchey K, Chan AHY, Morgan N, Kinley E, Pinnock H.

Psychol Health. 2023 Sep 11:1-21. doi: 10.1080/08870446.2023.2256784. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37695020/>

The impact of the SARS-CoV-2 pandemic on the demographic, clinical and social profiles of patients admitted to the Pneumology Department for a COPD exacerbation.

Fernández Villar A, Golpe Gómez R, González Montaos A, Fernández García S, Pazos Area L, Priegue Carrera A, Ruano Raviña A, Represas Represas C.

PLoS One. 2023 Sep 14;18(9):e0290156. doi: 10.1371/journal.pone.0290156. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37708160/>

Breathless and Blue in the Canadian Longitudinal Study on Aging: Incident and Recurrent Depression Among Older Adults with COPD During the COVID-19 Pandemic.

Taunque A, Li G, MacNeil A, Gulati I, Jiang Y, de Groh M, Fuller-Thomson E.
Int J Chron Obstruct Pulmon Dis. 2023 Sep 13;18:1975-1993. doi: 10.2147/COPD.S417218.
eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37724252/>

The quality and pattern of rehabilitation interventions prescribed for post-COVID-19 infection patients: A systematic review and meta-analysis.

Torres G, Gradidge PJ.
Prev Med Rep. 2023 Sep 2;35:102395. doi: 10.1016/j.pmedr.2023.102395. eCollection 2023 Oct.

<https://pubmed.ncbi.nlm.nih.gov/37705882/>

Rehabilitation Interventions for Physical Capacity and Quality of Life in Adults With Post-COVID-19 Condition: A Systematic Review and Meta-Analysis.

Pouliopoulou DV, Macdermid JC, Saunders E, Peters S, Brunton L, Miller E, Quinn KL, Pereira TV, Bobos P.

JAMA Netw Open. 2023 Sep 5;6(9):e2333838. doi: 10.1001/jamanetworkopen.2023.33838.

<https://pubmed.ncbi.nlm.nih.gov/37725376/>

The impact of wearing facemask on COPD patients: A protocol of a systematic review and meta-analysis.

Chen X, Sani I, Xia X, Li Y, Li C, Yue F, Wang X, Bao S, Fan J.

PLoS One. 2023 Sep 28;18(9):e0292388. doi: 10.1371/journal.pone.0292388. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37768979/>

Medication adherence in Medicare-enrolled older adults with asthma and chronic obstructive pulmonary disease before and during COVID-19 pandemic.

Liu L, Silva Almodóvar A, Nahata MC.

Ther Adv Chronic Dis. 2023 Oct 9;14:20406223231205796. doi: 10.1177/20406223231205796. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37822769/>

Impact of the COVID-19 pandemic on well-being and quality of life of patients with alpha-1-antitrypsin deficiency.

Werdecker C, Bals R.

Respir Res. 2023 Oct 25;24(1):258. doi: 10.1186/s12931-023-02553-9.

<https://pubmed.ncbi.nlm.nih.gov/37880685/>

PERSPECTIVES / STATEMENTS / EDITORIALS

A long overdue recognition: COPD as a distinct predictor of cardiovascular disease risk.

Amegadzie JE, Sadatsafavi M.

Eur Respir J. 2023 Aug 31;62(2):2301167. doi: 10.1183/13993003.01167-2023. Print 2023 Aug.

<https://pubmed.ncbi.nlm.nih.gov/37652564/>

Management goals and stable phase management of patients with chronic obstructive pulmonary disease in the Japanese respiratory society guideline for the management of chronic obstructive pulmonary disease 2022 (6th edition).

Shibata Y, Kawayama T, Muro S, Sugiura H; members of Japanese Respiratory Society COPD Guideline 6th Edition Editing Committee.

Respir Investig. 2023 Sep 20;61(6):773-780. doi: 10.1016/j.resinv.2023.08.007. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37741092/>

Recognising and Managing the Burdens of Chronic Breathlessness Alongside the Burdens of COPD.

Currow DC, Iyer R, Clark J, Rajan SK.

Am J Respir Crit Care Med. 2023 Sep 28. doi: 10.1164/rccm.202307-1303LE. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37769150/>

Editorial: Global Initiative for Chronic Obstructive Lung Disease (GOLD) 2023 Guidelines for COPD, Including COVID-19, Climate Change, and Air Pollution.

Parums DV.

Med Sci Monit. 2023 Oct 1;29:e942672. doi: 10.12659/MSM.942672.

<https://pubmed.ncbi.nlm.nih.gov/37777859/>

Asthma control questionnaires: A broader perspective.

Coscia G.

Ann Allergy Asthma Immunol. 2023 Oct;131(4):405-406. doi: 10.1016/j.anai.2023.07.011.

<https://pubmed.ncbi.nlm.nih.gov/37788877/>

Precision Approaches to Chronic Obstructive Pulmonary Disease Management.

Moll M, Silverman EK.

Annu Rev Med. 2023 Oct 12. doi: 10.1146/annurev-med-060622-101239. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37827193/>

Pulmonary rehabilitation marches on: refining, optimising and delivering through the clinical statement.

Bolton CE.

Thorax. 2023 Oct;78(Suppl 4):s1. doi: 10.1136/thorax-2023-220581.

<https://pubmed.ncbi.nlm.nih.gov/37770083/>

OTHER

Breathing better: A tech-monitored study of positive expiratory pressure and reading aloud for chronic obstructive pulmonary disease.

Özden G, Parlar Kılıç S.

Int J Nurs Pract. 2023 Aug 31. doi: 10.1111/ijn.13198. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37653574/>

Mendelian randomization study shows a causal effect of asthma on chronic obstructive pulmonary disease risk.

Li Y, Wang W, Zhou D, Lu Q, Li L, Zhang B.

PLoS One. 2023 Sep 1;18(9):e0291102. doi: 10.1371/journal.pone.0291102. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37656706/>

Literature review and development of pictorial action plan to promote self-management of chronic obstructive pulmonary disease.

Ho CCY, Chan CWH, Li C, Xiao J, Ng MSN.

Patient Educ Couns. 2023 Oct;115:107923. doi: 10.1016/j.pec.2023.107923.

<https://pubmed.ncbi.nlm.nih.gov/37494782/>

A Hybrid Effectiveness-Implementation Study of Adherence to Long-Term Oxygen Therapy for COPD.

Prieto-Centurion V, Holm KE, Casaburi R, Porszasz J, Basu S, Bracken NE, Gallardo Iii R, Gonzalez V, Illendula SD, Sandhaus RA, Sullivan JL, Walsh LJ, Gerald LB, Krishnan JA.

Ann Am Thorac Soc. 2023 Sep 8. doi: 10.1513/AnnalsATS.202302-104OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37683098/>

Clinical study on the effect of Bi-level positive airway pressure therapy on COPD complicated with Anxiety and Depression.

Zhang CH, Liu JH, Zhao JQ, Zhang ZH, Gu X.

Pak J Med Sci. 2023 Sep-Oct;39(5):1502-1506. doi: 10.12669/pjms.39.5.7259.

<https://pubmed.ncbi.nlm.nih.gov/37680802/>

From Pre-COPD to COPD: a Simple, Low cost, and ease of IMplementation (SLIM) risk calculator.

Divo MJ, Liu C, Polverino F, Castaldi PJ, Celli BR, Tesfaigzi Y.

Eur Respir J. 2023 Sep 7:2300806. doi: 10.1183/13993003.00806-2023. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37678951/>

A 74-Year-Old Man With Dyspnea.

Khatim I, Judson MA, Htoo A, Chopra A.

Chest. 2023 Sep;164(3):e75-e78. doi: 10.1016/j.chest.2023.04.020.

<https://pubmed.ncbi.nlm.nih.gov/37689477/>

Differences in smoking behaviors and readiness to change for patients with COPD and differing categories of depressive symptoms: a descriptive cross-sectional design.

Floyd J, Mallow J, Wang K, Davis SM, Carpenter R, Theeke L.

BMC Pulm Med. 2023 Sep 8;23(1):335. doi: 10.1186/s12890-023-02621-2.

<https://pubmed.ncbi.nlm.nih.gov/37684585/>

Cluster Analyses From the Real-World NOVELTY Study: Six Clusters Across the Asthma-COPD Spectrum.

Hughes R, Rapsomaniki E, Bansal AT, Vestbo J, Price D, Agustí A, Beasley R, Fageras M, Alacqua M, Papi A, Müllerová H, Reddel HK; NOVELTY Scientific Community; NOVELTY study investigators.

J Allergy Clin Immunol Pract. 2023 Sep;11(9):2803-2811. doi: 10.1016/j.jaip.2023.05.013.

<https://pubmed.ncbi.nlm.nih.gov/37230383/>

Chronic Obstructive Pulmonary Disease Self-Management in Three LMICs: A Pilot Randomized Trial.

Pollard SL, Siddharthan T, Hossen S, Rykiel NA, Flores-Flores O, Alupo P, Quaderi S, Ascencio I, Barber JA, Chandyo R, Kumar Das S, Gianella G, Kirenga B, Grunstra K, Miranda JJ, Mohan S, Ricciardi F, Sharma AK, Shrestha L, Soares MO, Wosu AC, Hurst JR, Checkley W; GECO-2 trial investigators.

Am J Respir Crit Care Med. 2023 Sep 12. doi: 10.1164/rccm.202303-0505OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37698443/>

Patient and social factors related to nebulizer use in COPD patients at the transition of care: a qualitative study.

Foster AA, Stoll J, Daly CJ, Clark CM, Sethi S, Jacobs DM.

BMC Pulm Med. 2023 Sep 23;23(1):358. doi: 10.1186/s12890-023-02651-w.

<https://pubmed.ncbi.nlm.nih.gov/37740178/>

The Association Between Cognitive Functions and Psychological Factors in Patients with Severe COPD.

Hansen KK, Hilberg O, Jensen HI, Løkke A, Farver-Vestergaard I.

Int J Chron Obstruct Pulmon Dis. 2023 Sep 19;18:2065-2078. doi: 10.2147/COPD.S426897. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37744734/>

Patients' experiences with participating in a team-based person-centred intervention for patients at risk of or diagnosed with COPD in general practice.

Kolltveit BH, Graue M, Borge CR, Frisk B.

Pilot Feasibility Stud. 2023 Sep 25;9(1):164. doi: 10.1186/s40814-023-01398-9.

<https://pubmed.ncbi.nlm.nih.gov/37749601/>

Effects of Serious Games for Patients With Chronic Obstructive Pulmonary Disease: Systematic Literature Review.

Huang H, Huang M, Chen Q, Hayter M, Watson R.

JMIR Serious Games. 2023 Sep 25;11:e46358. doi: 10.2196/46358.

<https://pubmed.ncbi.nlm.nih.gov/37747768/>

Laboratory and free-living gait performance in adults with COPD and healthy controls.

Buekers J, Megaritis D, Koch S, Alcock L, Ammour N, Becker C, Bertuletti S, Bonci T, Brown P, Buckley E, Buttery SC, Caulfield B, Cereatti A, Chynkiamis N, Demeyer H, Echevarria C, Frei A, Hansen C, Hausdorff JM, Hopkinson NS, Hume E, Kuederle A, Maetzler W, Mazzà C, Micó-

Amigo EM, Mueller A, Palmerini L, Salis F, Scott K, Troosters T, Vereijken B, Watz H, Rochester L, Del Din S, Vogiatzis I, Garcia-Aymerich J.

ERJ Open Res. 2023 Sep 25;9(5):00159-2023. doi: 10.1183/23120541.00159-2023. eCollection 2023 Sep.

<https://pubmed.ncbi.nlm.nih.gov/37753279/>

Intelligent Clinical Decision Support System for Managing COPD Patients.

Pereira J, Antunes N, Rosa J, Ferreira JC, Mogo S, Pereira M.

J Pers Med. 2023 Sep 6;13(9):1359. doi: 10.3390/jpm13091359.

<https://pubmed.ncbi.nlm.nih.gov/37763127/>

Methods to assess COPD medications adherence in healthcare databases: a systematic review.

Vauterin D, Van Vaerenbergh F, Vanoverschelde A, Quint JK, Verhamme K, Lahousse L.

Eur Respir Rev. 2023 Sep 27;32(169):230103. doi: 10.1183/16000617.0103-2023. Print 2023 Sep 30.

<https://pubmed.ncbi.nlm.nih.gov/37758274/>

Prevalence and Impact of Social Frailty in Patients with Chronic Obstructive Pulmonary Disease.

Hirai K, Tanaka A, Oda N, Kaneko K, Uchida Y, Uno T, Ohta S, Homma T, Yamaguchi F, Suzuki S, Sagara H.

Int J Chron Obstruct Pulmon Dis. 2023 Sep 25;18:2117-2126. doi: 10.2147/COPD.S418071. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37780032/>

Role of Community Health Workers (CHWs) in COPD Care in Low- and Middle-Income Countries (LMICs).

Salvi S, Ghorpade D.

Am J Respir Crit Care Med. 2023 Oct 3. doi: 10.1164/rccm.202309-1640ED. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37787613/>

Perspectives and Attitudes of General Practitioners Towards Pharmacological and Non-Pharmacological COPD Management in a Belgian Primary Care Setting: A Qualitative Study.

Leemans G, Vissers D, Ides K, Van Royen P.

Int J Chron Obstruct Pulmon Dis. 2023 Sep 25;18:2105-2115. doi: 10.2147/COPD.S423279. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37786896/>

Impact of Undiagnosed COPD and Asthma on Symptoms, Quality of Life, Healthcare Utilization and Work Productivity.

Gerstein E, Bierbrier J, Whitmore GA, Vandemheen KL, Bergeron C, Boulet LP, Cote A, Field SK, Penz E, McIvor RA, Lemièrre C, Gupta S, Hernandez P, Mayers I, Bhutani M, Loughheed MD, Liciskai CJ, Azher T, Ezer N, Ainslie M, Alvarez GG, Mulpuru S, Aaron SD.

Am J Respir Crit Care Med. 2023 Oct 4. doi: 10.1164/rccm.202307-1264OC. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37792953/>

Feasibility Trial of a Comprehensive, Highly Patient-Centered COPD Self-Management Support Program.

Federman AD, O'Connor R, Nnemngbeng J, Ankam J, McDermott D, Lindenauer PK, Wolf MS, Wisnivesky JP.

Chronic Obstr Pulm Dis. 2023 Oct 9. doi: 10.15326/jcopdf.2023.0419. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37813826/>

COPD and Smoking Status - It Does Matter: Characteristics and Prognosis of COPD According to Smoking Status.

Nielsen AO, Lange P, Hilberg O, Farver-Vestergaard I, Ibsen R, Løkke A.

Chronic Obstr Pulm Dis. 2023 Oct 10. doi: 10.15326/jcopdf.2023.0433. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37828634/>

Clinically Important Deterioration (CID) and Ageing in COPD: A Systematic Review and Meta-Regression Analysis According to PRISMA Statement.

Manzetti GM, Ora J, Sepiacchi A, Cazzola M, Rogliani P, Calzetta L.

Int J Chron Obstruct Pulmon Dis. 2023 Oct 10;18:2225-2243. doi: 10.2147/COPD.S396945. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37841747/>

Endobronchial valve treatment in chronic obstructive pulmonary disease: A qualitative study of patients' expectations.

Farver-Vestergaard I, Mousing CA, Løkke A, Bock K, Christensen TD, Bendixen M, Bendstrup E, Jørgensen LHK, King KL.

SAGE Open Med. 2023 Oct 14;11:20503121231205709. doi: 10.1177/20503121231205709. eCollection 2023.

<https://pubmed.ncbi.nlm.nih.gov/37846369/>

Exercising power in the self-management of COPD: A narrative inquiry. Patient and user perspectives.

Delaney S, Huntley-Moore S, Cronin P.

Patient Educ Couns. 2023 Oct 10;118:107990. doi: 10.1016/j.pec.2023.107990. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37847990/>

Cohort Profile: Burden of Obstructive Lung Disease (BOLD) study.

Amaral AFS, Potts J, Knox-Brown B, Bagkeris E, Harrabi I, Cherkaski HH, Agarwal D, Juvekar S, Anand MP, Gislason T, Nafees AA, Mortimer K, Janson C, Loh LC, Paraguas SN, Denguezli M, Al Ghobain M, Mannino D, Njoroge MW, Devereux G, Seemungal T, Barbara C, Kocabaş A, Ahmed R, Aquart-Stewart A, Studnicka M, Welte T, Tan WC, van Zyl-Smit RN, Koul P, Garcia-Larsen V, Minelli C, Buist AS, Burney P; BOLD Study Collaborative Network.

Int J Epidemiol. 2023 Oct 20:dyad146. doi: 10.1093/ije/dyad146. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37862437/>

Implementing psychological interventions delivered by respiratory professionals for people with COPD. A stakeholder interview study.

Wileman V, Rowland V, Kelly M, Steed L, Sohanpal R, Pinnock H, Taylor SJ.

NPJ Prim Care Respir Med. 2023 Oct 25;33(1):35. doi: 10.1038/s41533-023-00353-8.

<https://pubmed.ncbi.nlm.nih.gov/37880342/>

Recent advances in bronchoscopic lung volume reduction for severe COPD patients.

Posthuma R, Vaes AW, Spruit MA, Vanfleteren LEGW.

Curr Opin Support Palliat Care. 2023 Dec 1;17(4):296-300. doi:

10.1097/SPC.0000000000000682. Epub 2023 Oct 26.

<https://pubmed.ncbi.nlm.nih.gov/37877448/>

The influence of gender differences on the illness perception and women's point of view on COPD.

Jankovic J, Djurdjevic N, Jandric A, Karic U, Milivojevic I, Ratkovic A, Buha I.

Bratisl Lek Listy. 2023;124(11):797-801. doi: 10.4149/BLL_2023_122.

<https://pubmed.ncbi.nlm.nih.gov/37874800/>

Health and Demographic Factors for Chronic Obstructive Pulmonary Disease Among Hispanic Adults in the United States: Analysis of Behavioral Risk Factor Surveillance System Survey Data.

Workman B, Nabors L.

Hisp Health Care Int. 2023 Oct 29;15404153231210863. doi: 10.1177/15404153231210863.

Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37899600/>

The reduced ability to perform activities of daily living is associated with prolonged duration before rehabilitation initiation and lower dietary intake of patients with chronic obstructive pulmonary disease exacerbation.

Oyama Y, Tatsumi H, Tokunou R, Taniguchi N, Masuda Y.

Ann Nutr Metab. 2023 Oct 30. doi: 10.1159/000534697. Online ahead of print.

<https://pubmed.ncbi.nlm.nih.gov/37903475/>