ERS literature update
July-August 2021

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

PULMONARY REHABILITATION

Self-management and integrated pulmonary care as an essential part of treatment of patients with chronic obstructive pulmonary disease.
Dębczyński M, Guziejko K, Mróz RM.
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Xi C, Li F, Cheng W, Wang S, Zhang R, Wang Y, Liu L.
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Klimczak M, Piekielny D, Antczak A, Śmigielski J, Tworek D.
Adv Respir Med. 2021;89(3):247-253. doi: 10.5603/ARM.a2021.0060.
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Enhance Access to Pulmonary Rehabilitation with a Structured and Personalized Home-Based Program-reabilitAR: Protocol for Real-World Setting.
Bernard S, Vilarinho R, Pinto I, Cantante R, Coxo R, Fonseca R, Mayoralas-Alises S, Diaz-Lobato S, Carvalho J, Esteves C, Caneiras C.
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Geidl W, Carl J, Schuler M, Mino E, Lehbert N, Wittmann M, Pfeifer K, Schultz K.
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Vinan-Vega M, Mantilla B, Yang S, Nugent K.
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Rapid access rehabilitation after exacerbations of COPD - A qualitative study.
Oliveira A, Quach S, Alsubheen S, Dasouki S, Walker J, Brooks D, Goldstein R.
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Long-term Exercise After Pulmonary Rehabilitation (LEAP): a pilot randomised controlled trial of Tai Chi in COPD.
Moy ML, Wayne PM, Litrownik D, Beach D, Klings ES, Davis RB, Pinheiro A, Yeh GY.
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Tailored or adapted interventions for adults with chronic obstructive pulmonary disease and at least one other long-term condition: a mixed methods review.
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The Role of Occupational Therapy in Pulmonary Rehabilitation Programs: Protocol for a Scoping Review.
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Feasibility, tolerance and effects of adding impact loading exercise to pulmonary rehabilitation in people with chronic obstructive pulmonary disease: study protocol for a pilot randomised controlled trial.
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Pulmonary Rehabilitation in the Management of Chronic Obstructive Pulmonary Disease among Asian Indians- Current Status and Moving Forward.
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Exploring the barriers to pulmonary rehabilitation for patients with chronic obstructive pulmonary disease: a qualitative study.
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EXERCISE TESTING AND TRAINING

Experiences of a home-based fall prevention exercise program among older adults with chronic lung disease.
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Mølmen KS, Hammarström D, Falch GS, Grundtvig M, Koll L, Hanestadhaugen M, Khan Y, Ahmad R, Malerbakken B, Rødølen TJ, Lien R, Rønnestad BR, Raastad T, Ellefsen S.
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PHYSICAL ACTIVITY

Reliability and Validity of the Japanese Version of the Barthel Index Dyspnea Among Patients with Respiratory Diseases.
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Burtin C, Mohan D, Troosters T, Watz H, Hopkinson NS, Garcia-Aymerich J, Moy ML, Vogiatzis I, Rossiter HB, Singh S, Merrill DD, Hamilton A, Rennard SI, Fageras M, Petruzzelli S, Tal-Singer R, Tomaszewski E, Corriol-Rohou S, Rochester CL, Sciurba FC, Casaburi R, D-C Man W,

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Scheermesser M, Reicherzer L, Beyer S, Gisi D, Rezek S, Hess T, Wirz M, Rausch Osthoff AK.
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TELEMEDICINE*

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

Issue in Remote Assessment of Lung Disease and Impact on Physical and Mental Health (RALPMH): Protocol for Prospective Observational Study.
Ranjan Y, Althobiani M, Jacob J, Orini M, Dobson R, Porter J, Hurst J, Folarin A.
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Patel N, Kinmond K, Jones P, Birks P, Spiteri MA.
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The Performance of Digital Monitoring Devices for Oxygen Saturation and Respiratory Rate in COPD: A Systematic Review.
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Machine Learning Methods for the Diagnosis of Chronic Obstructive Pulmonary Disease in Healthy Subjects: Retrospective Observational Cohort Study.
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Effectiveness of eHealth Interventions in Improving Medication Adherence for Patients With Chronic Obstructive Pulmonary Disease or Asthma: Systematic Review.
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Incorporating remote patient monitoring in virtual pulmonary rehabilitation programs.
Jangalee JV, Ghasvareh P, Guenette JA, Road J.
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Yildiz E, Çeçen S, Lafci D, Eker A.
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The Role of Telemedicine in Extending and Enhancing Medical Management of the Patient with Chronic Obstructive Pulmonary Disease.
Donner CF, ZuWallack R, Nici L.
Medicina (Kaunas). 2021 Jul 18;57(7):726. doi: 10.3390/medicina57070726.
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Cost-effectiveness of a telemonitoring program (telEPOC program) in frequently admitted chronic obstructive pulmonary disease patients.
Esteban C, Antón A, Moraza J, Iriberri M, Larrauri M, Mar J, Aramburu A, Quintana JM; telEPOC group.
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Video Telehealth Pulmonary Rehabilitation for COPD is Associated with Clinical Improvement Similar to Center Based Pulmonary Rehabilitation.
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Telemonitoring of daily activities compared to the six-minute walk test further completes the puzzle of oximetry-guided interventions.
Santos CD, Santos AF, das Neves RC, Ribeiro RM, Rodrigues F, Caneiras C, Spruit MA, Bárbara C. Sci Rep. 2021 Aug 16;11(1):16600. doi: 10.1038/s41598-021-96060-w. PMID: 34400715; PMCID: PMC8367992.
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Adherence to an eHealth Self-Management Intervention for Patients with Both COPD and Heart Failure: Results of a Pilot Study.
Sloots J, Bakker M, van der Palen J, Eijsvogel M, van der Valk P, Linssen G, van Ommeren C, Grinovero M, Tabak M, Effing T, Lenferink A. Int J Chron Obstruct Pulmon Dis. 2021 Jul 15;16:2089-2103. doi: 10.2147/COPD.S299598. PMID: 34290502; PMCID: PMC8289298.
https://pubmed.ncbi.nlm.nih.gov/34290502/

User-centered design of a scalable, electronic health record-integrated remote symptom monitoring intervention for patients with asthma and providers in primary care.
Rudin RS, Perez S, Rodriguez JA, Sousa J, Plombon S, Arcia A, Foer D, Bates DW, Dalal AK. J Am Med Inform Assoc. 2021 Aug 18:ocab157. doi: 10.1093/jamia/ocab157. Epub ahead of print. PMID: 34406413.
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PATIENT REPORTED OUTCOME MEASURES

The COPD assessment test and the modified Medical Research Council scale are not equivalent when related to the maximal exercise capacity in COPD patients.
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Comparison between Tools for Measuring Breathlessness: Cross-sectional validation of the Japanese version of the Dyspnoea-12.

Nishimura K, Oga T, Nakayasu K, Taniguchi H, Ogawa T, Watanabe F, Arizono S, Kusunose M, Sanda R, Shibayama A, Okamoto S, Yorke J.
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The association between sleep quality, health status, and disability due to breathlessness in COPD patients.
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**Composed in collaboration with Dr. Vitalii Poberezhets (Chair of Group 01.04 - m-Health/e-health)*

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