ERS literature update
November-December 2020

Composed for group 1.02 by Anouk W. Vaes, PhD and Sarah Houben-Wilke, PhD of the department of Development and Education in CIRO, Horn, the Netherlands

PULMONARY REHABILITATION

Supervised pulmonary rehabilitation using minimal or specialist exercise equipment in COPD: a propensity-matched analysis.
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Hug S, Cavalheri V, Gucciardi DF, Norman R, Hill K.
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Environmental Awareness for Patients with COPD Undergoing Pulmonary Rehabilitation: Is It of Added Value?
Souto-Miranda S, Gonçalves AC, Valente C, Freitas C, Sousa ACA, Marques A.
Int J Environ Res Public Health. 2020 Oct 29;17(21):E7968. doi: 10.3390/ijerph17217968.
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Design of pulmonary rehabilitation programmes during acute exacerbations of COPD: a systematic review and network meta-analysis.
Machado A, Matos Silva P, Afreixo V, Caneiras C, Burtin C, Marques A.
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Habib GMM, Rabinovich R, Divgi K, Ahmed S, Saha SK, Singh S, Uddin A, Uzzaman MN, Pinnock H.
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Comparison of self-report and administrative data sources to capture health care resource use in people with chronic obstructive pulmonary disease following pulmonary rehabilitation.
Grimwood CL, Holland AE, McDonald CF, Mahal A, Hill CJ, Lee AL, Cox NS, Moore R, Nicolson C, O'Halloran P, Lahham A, Gillies R, Burge AT.
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de Araujo CLP, da Silva IRV, Lago PD.
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Stone PW, Hickman K, Steiner MC, Roberts CM, Quint JK, Singh SJ.
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Protocol for the cultural adaptation of pulmonary rehabilitation and subsequent testing in a randomised controlled feasibility trial for adults with chronic obstructive pulmonary disease in Sri Lanka.
Jayamaha AR, Perera CH, Orme MW, Jones AV, Wijayasiri UKDC, Amarasekara TD, Karunatillake RS, Fernando A, Seneviratne ALP, Barton A, Jones R, Yusuf ZK, Miah RB, Malcolm D, Matheson JA, Free RC, Manise A, Steiner MC, Wimalasekera SW, Singh SJ.
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Gender does not impact the short- or long-term outcomes of home-based pulmonary rehabilitation in patients with COPD.
Grosbois J-M, Gephine S, Diot AS, Kyheng M, Machuron F, Terce G, Wallaert B, Chenivesse C, Le Rouzic O.
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Pulmonology. 2020 Nov 29;S2531-0437(20)30082-9. doi: 10.1016/j.pulmoe.2020.04.010. Online ahead of print.
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Evaluation of a chest rehabilitation project in Nepal using the St. George's Respiratory Questionnaire and Chronic Obstructive Pulmonary Disease Assessment Test.
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EXERCISE TESTING AND TRAINING

Effect of Dynamic Hyperinflation on Cardiac Response to Exercise of Patients With Chronic Obstructive Pulmonary Disease.
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Gudjonsdottir M, Thoroddsen E, Karlsdottir AE, Kristjansdottir A, Jonasson MR, Asgeirsdottir M, Sigurdsson SB, Kristjansson K.
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Marillier M, Bernard AC, Verges S, Neder JA.
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Measurement properties of step tests for exercise capacity in COPD: A systematic review.
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Are there differences in muscular activation to maintain balance between individuals with chronic obstructive pulmonary disease and controls?
Araújo de Castro L, Morita AA, Sepúlveda-Loyola W, da Silva RA, Pitta F, Krueger E, Probst VS.
Respir Med. 2020 Nov;173:106016. doi: 10.1016/j.rmed.2020.106016.
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Rozenbaum Z, Ben Gal Y, Kapusta L, Hochstadt A, Sadeh Md B, Aviram Md G, Havakuk Md O, Shimiaie Md J, Ghermezi Md M, Laufer-Perl Md M, Shacham Md Y, Keren G, Topilsky Y.
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Yeh GY, Litrownik D, Wayne PM, Beach D, Klings ES, Nieva HR, Pinheiro A, Davis RB, Moy ML.
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Tufvesson E, Radner F, Papapostolou G, Jarenbäck L, Jönsson S, Nihlén U, Ankerst J, Tunsäter A, Peterson S, Bjermer L, Eriksson G.
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PHYSICAL ACTIVITY

Data Reproducibility and Effectiveness of Bronchodilators for Improving Physical Activity in COPD Patients.
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Long-Term Effects of Pedometer-Based Physical Activity Coaching in Severe COPD: A Randomized Controlled Trial.
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The association between systemic inflammation and the time spent in posture and movement during daytime in patients with chronic obstructive pulmonary disease and lower weight.
Kawagoshi A, Iwakura M, Furukawa Y, Sugawara K, Takahashi H, Shioya T.
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TELEMEDICINE*

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

A randomised controlled feasibility trial of E-health application supported care vs usual care after exacerbation of COPD: the RESCUE trial.
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Using the Technology Acceptance Model to conceptualise experiences of the usability and acceptability of a self-management app (COPD.Pal®) for Chronic Obstructive Pulmonary Disease.
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Assessing self-medication for obstructive airway disease during COVID-19 using Google Trends.
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PATIENT REPORTED OUTCOME MEASURES

The development of a novel Wellness Assessment Instrument and its use in the assessment of wellness status in patients with chronic obstructive pulmonary disease.
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Huber MB, Kurz C, Kirsch F, Schwarzkopf L, Schramm A, Leidl R.
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INTERSTITIAL LUNG DISEASE

Patients with idiopathic pulmonary fibrosis with and without obstructive sleep apnea: differences in clinical characteristics, clinical outcomes, and the effect of PAP treatment.
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Health-related quality of life of patients with idiopathic pulmonary fibrosis: a systematic review and meta-analysis.
Cox IA, Borchers Arriagada N, de Graaff B, Corte TJ, Glaspole I, Lartey S, Walters EH, Palmer AJ.
Eur Respir Rev. 2020 Nov 5;29(158):200154. doi: 10.1183/16000617.0154-2020. Print 2020 Dec 31.
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Zhou M, Zhang H, Li F, Yu Z, Yuan C, Oliver B, Li J.
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Pain is a common problem in patients with ILD.
Shen Q, Guo T, Song M, Guo W, Zhang Y, Duan W, Peng Y, Ni S, Ouyang X, Peng H.

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