ERS literature update
March-April 2019

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

Improving uptake oliand completion of pulmonary rehabilitation in COPD with lay health workers: feasibility of a clinical trial.
White P, Gilworth G, Lewin S, Hogg L, Tuffnell R, Taylor SJC, Hopkinson NS, Hart N, Singh SJ, Wright AJ.
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Pulmonary Rehabilitation does not Improve Objective Measures of Sleep Quality in People with Chronic Obstructive Pulmonary Disease.
Cox NS, Pepin V, Burge AT, Hill CJ, Lee AL, Bondarenko J, Moore R, Nicolson C, Lahham A, Parwanta Z, McDonald CF, Holland AE.
COPD. 2019 Mar 19:1-5. doi: 10.1080/15412555.2019.1567701. [Epub ahead of print]
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Maintaining the benefits following pulmonary rehabilitation: Achievable or not?
Spencer LM, McKeough ZJ.
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Systematic review (protocol) of clinical effectiveness and models of care of low-resource pulmonary rehabilitation.
Habib GMM, Rabinovich R, Divgi K, Ahmed S, Saha SK, Singh S, Uddin A, Pinnock H.
NPJ Prim Care Respir Med. 2019 Apr 5;29(1):10. doi: 10.1038/s41533-019-0122-1.
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Charikiopoulou M, Nikolaidis PT, Knechtle B, Rosemann T, Rapti A, Trakada G.
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Kostrzon M, Sliwka A, Wloch T, Szpunar M, Ankowska D, Nowobilski R.
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Patient-centred rehabilitation for non-communicable disease in a low-resource setting: study protocol for a feasibility and proof-of-concept randomised clinical trial.
Heine M, Fell BL, Robinson A, Abbas M, Derman W, Hanekom S.
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Cornelison SD, Pascual RM.
Med Clin North Am. 2019 May;103(3):577-584. doi: 10.1016/j.mcna.2018.12.015.
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A Prospective Cohort Study on the Effects of Geriatric Rehabilitation Following Acute Exacerbations of COPD.
van Dam van Isselt EF, van Eijk M, van Geloven N, Groenewegen-Sipkema KH, van den Berg JK, Nieuwenhuys CMA, Chavannes NH, Achterberg WP.
J Am Med Dir Assoc. 2019 Apr 11. pii: S1525-8610(19)30251-8. doi: 10.1016/j.jamda.2019.02.025. [Epub ahead of print]
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Practical approach to establishing pulmonary rehabilitation for people with non-COPD diagnoses.
Granger CL, Morris NR, Holland AE.
Respirology. 2019 Apr 19. doi: 10.1111/resp.13562. [Epub ahead of print]
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An observational cohort study of exercise and education for people with chronic obstructive pulmonary disease not meeting criteria for formal pulmonary rehabilitation programmes.
Lewis A, Dullaghan D, Townes H, Green A, Potts J, Quint JK.
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In Which the Gain is more from Pulmonary Rehabilitation? Asthma or COPD?
Deniz S, Şahin H, Polat G, Erbaycu AE.
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EXERCISE TESTING AND TRAINING

Observation of the curative effect of device-guided rehabilitation on respiratory function in stable patients with chronic obstructive pulmonary disease.
Wang J, Guo S, Zeng M, Yu P, Mo W.
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Effects of a long-term home-based exercise training programme using minimal equipment vs. usual care in COPD patients: a study protocol for two multicentre randomised controlled trials (HOMEX-1 and HOMEX-2 trials).
Frei A, Radtke T, Dalla Lana K, Braun J, Müller RM, Puhan MA.
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Functional Electrical Stimulation Changes Muscle Oxygenation in Patients with Chronic Obstructive Pulmonary Disease During Moderate-Intensity Exercise: A Secondary Analysis.
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Cutrim ALC, Duarte AAM, Silva-Filho AC, Dias CJ, Urtado CB, Ribeiro RM, Rigatto K, Rodrigues B, Dibai-Filho AV, Mostarda CT.
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Impact of preoperative exercise therapy on surgical outcomes in lung cancer patients with or without COPD: a systematic review and meta-analysis.

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Alison JA, McKeough ZJ, Leung RWM, Holland AE, Hill K, Morris NR, Jenkins S, Spencer LM, Hill CJ, Lee AL, Seale H, Cecins N, McDonald CF.
Eur Respir J. 2019 Mar 17. pii: 1802429. doi: 10.1183/13993003.02429-2018. [Epub ahead of print]
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The Impact of Upper Limb Training with Breathing Maneuver in Lung Function, Functional Capacity, Dyspnea Scale, and Quality of Life in Patient with Stable Chronic Obstructive of Lung Disease.
Tarigan AP, Ananda FR, Pandia P, Sinaga BY, Maryaningsih M, Anggriani A.
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Fixed Handheld Dynamometry Provides Reliable and Valid Values for Quadriceps Isometric Strength in People With Chronic Obstructive Pulmonary Disease: A Multicenter Study.
Bui KL, Mathur S, Dechman G, Maltais F, Camp P, Saey D.
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The Effect of the Stretch-Shortening Cycle in the Force-Velocity Relationship and Its Association With Physical Function in Older Adults With COPD.
Navarro-Cruz R, Alcazar J, Rodriguez-Lopez C, Losa-Reyna J, Alfaro-Acha A, Ara I, García-García FJ, Alegre LM.
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The six-minute stepper test is related to muscle strength but cannot substitute for the one repetition maximum to prescribe strength training in patients with COPD.
Bonnevie T, Allingham M, Prieur G, Combret Y, Debeaumont D, Patout M, Cuvelier A, Viacroze C, Muir JF, Medrinal C, Gravier FE.
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Effects of bi-level positive airway pressure on ventilatory and perceptual responses to exercise in comorbid heart failure-COPD.
Souza A, Sperandio PA, Mazzuco A, Alencar MCN, Arbex FF, Oliveira M, Medeiros W, Rocha A, Nery LE, O Donnell DE, Neder JA.
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Training-induced changes on quadriceps muscle oxygenation measured by nirs in healthy subjects and in COPD Patients.
Barberan-Garcia A, Munoz PA, Gimeno-Santos E, Burgos F, Torralba Y, Gistau C, Roca J, Rodriguez DA.
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PHYSICAL ACTIVITY

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Koolen EH, van Hees HW, van Lummel RC, Dekhuijzen R, Djamin RS, Spruit MA, van 't Hul AJ.
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TELEMEDICINE

ITM support for patients with chronic respiratory and cardiovascular diseases: a protocol for a randomised controlled trial.
Redfern J, Hyun K, Singleton A, Hafiz N, Raeside R, Spencer L, Carr B, Caterson I, Cullen J, Ferry C, Santo K, Hayes A, Leung RWM, Raadsma S, Swinbourne J, Cho JG, King M, Roberts M, Kok C, Jenkins C, Chow C.
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Miravitlles M, Koblizek V, Esquinas C, Milenkovic B, Barczyk A, Tkacova R, Somfay A, Zykov K, Tudoric N, Kostov K, Zbozinkova Z, Svoboda M, Sorli J, Krams A, Valipour A.
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INTERSTITIAL LUNG DISEASE

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Frailty and geriatric conditions in older patients with idiopathic pulmonary fibrosis.
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