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- bone mineral density on dxa in patients with copd," *Journal of Bone and Mineral Research*, vol. 27, no. 11, pp. 2338–2343, 2012.
- [165] H. Watz, B. Waschki, C. Boehme, M. Claussen, T. Meyer, and H. Magnussen, "Extrapulmonary effects of chronic obstructive pulmonary disease on physical activity: a cross-sectional study," *American journal of respiratory and critical care medicine*, vol. 177, no. 7, pp. 743–751, 2008.
- [166] D. A. Cockayne, D. T. Cheng, B. Waschki, S. Sridhar, P. Ravindran, H. Hilton, G. Kourteva, H. Bitter, S. G. Pillai, S. Visvanathan *et al.*, "Systemic biomarkers of neutrophilic inflammation, tissue injury and repair in copd patients with differing levels of disease severity," *PLoS One*, vol. 7, no. 6, p. e38629, 2012.
- [167] B. Waschki, M. Schaper, A.-L. Sack, O. Holz, A. Kirsten, T. Meyer, K. F. Rabe, H. Magnussen, and H. Watz, "Decrease of physical activity in patients with copd in the course of the disease," *European Respiratory Journal*, vol. 40, no. Suppl 56, p. 3091, 2012.
- [168] A. J. van Gestel, C. F. Clarenbach, A. C. Stöwhas, V. A. Rossi, N. A. Sievi, G. Camen, E. W. Russi, and M. Kohler, "Predicting daily physical activity in patients with chronic obstructive pulmonary disease," *PloS one*, vol. 7, no. 11, p. e48081, 2012.
- [169] S. Dürr, S. Zogg, D. Miedinger, E. H. Steveling, S. Maier, and J. D. Leuppi, "Daily physical activity, functional capacity and quality of life in patients with copd," *COPD: Journal of Chronic Obstructive Pulmonary Disease*, vol. 11, no. 6, pp. 689–696, 2014.
- [170] J. Garcia-Aymerich, F. P. Gómez, J. M. Antó, P.-C. research group *et al.*, "Phenotypic characterization and course of chronic obstructive pulmonary disease in the pac-copd study: design and methods," *Archivos de Bronconeumología ((English Edition))*, vol. 45, no. 1, pp. 4–11, 2009.
- [171] C. Karpman, N. K. LeBrasseur, Z. S. DePew, P. J. Novotny, and R. P. Benzo, "Measuring gait speed in the outpatient clinic: methodology and feasibility," *Respiratory care*, pp. resp-care-02688, 2013.
- [172] C. Karpman, R. Benzo, P. Novotny, and B. Abascal-Bolado, "The effect of hospitalization on physical activity level in chronic obstructive pulmonary disease," *Hospital*, vol. 2, no. 2, pp. 2–3, 2014.
- [173] N. A. Hernandes, T. Sant'Anna, K. Furlanetto, V. S. Probst, and F. Pitta, "Which is the variable of physical activity monitoring that better correlates with functional exercise capacity in copd?" *European Respiratory Journal*, vol. 42, no. Suppl 57, p. 1983, 2013.
- [174] S. L. Wootton, C. Ng, Z. J. McKeough, S. Jenkins, K. Hill, and J. A. Alison, "Estimating endurance shuttle walk test speed using the six-minute walk test in people with chronic obstructive pulmonary disease," *Chronic respiratory disease*, vol. 11, no. 2, pp. 89–94, 2014.
- [175] G. Spina, F. Roberts, J. Weppner, P. Lukowicz, and O. Amft, "Crntc+: A smartphone-based sensor processing framework for prototyping personal healthcare applications," in *Pervasive Computing Technologies for Healthcare (PervasiveHealth), 2013 7th International Conference on*. IEEE, 2013, pp. 252–255.
- [176] G. Spina, G. Huang, A. Vaes, M. Spruit, and O. Amft, "Copdtrainer: a smartphone-based motion rehabilitation training system with real-time acoustic feedback," in *Proceedings of the 2013 ACM international joint conference on Pervasive and ubiquitous computing*. ACM, 2013, pp. 597–606.
- [177] R. Mesquita, G. Spina *et al.*, "Physical activity patterns and clusters in 1001 patients with copd," *Submitted to the Journal of Chronic Respiratory Disease*, 2016.