

- 
- [118] E. Breslin, C. van der Schans, S. Breukink, P. Meek, K. Mercer, W. Volz, and S. Louie, "Perception of fatigue and quality of life in patients with copd," *CHEST Journal*, vol. 114, no. 4, pp. 958–964, 1998.
- [119] N. J. Wesensten, T. J. Balkin, and G. Belenky, "Does sleep fragmentation impact recuperation? a review and reanalysis," *Journal of sleep research*, vol. 8, no. 4, pp. 237–245, 1999.
- [120] H. Demeyer, C. Burtin, H. Van Remoortel, M. Hornikx, D. Langer, M. Decramer, R. Gosselink, W. Janssens, and T. Troosters, "Standardizing the analysis of physical activity in patients with copd following a pulmonary rehabilitation program," *CHEST Journal*, vol. 146, no. 2, pp. 318–327, 2014.
- [121] X. Soler, E. Gaio, F. L. Powell, J. W. Ramsdell, J. S. Loredo, A. Malhotra, and A. L. Ries, "High prevalence of obstructive sleep apnea in patients with moderate to severe chronic obstructive pulmonary disease," *Annals of the American Thoracic Society*, vol. 12, no. 8, pp. 1219–1225, 2015.
- [122] M. D. Wirth, J. R. Hébert, G. A. Hand, S. D. Youngstedt, T. G. Hurley, R. P. Shook, A. E. Paluch, X. Sui, S. L. James, and S. N. Blair, "Association between actigraphic sleep metrics and body composition," *Annals of epidemiology*, vol. 25, no. 10, pp. 773–778, 2015.
- [123] L. Graat-Verboom, B. E. van den Borne, F. W. Smeenk, M. A. Spruit, and E. F. Wouters, "Osteoporosis in copd outpatients based on bone mineral density and vertebral fractures," *Journal of Bone and Mineral Research*, vol. 26, no. 3, pp. 561–568, 2011.
- [124] C. J. Caspersen, K. E. Powell, and G. M. Christenson, "Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research." *Public health reports*, vol. 100, no. 2, p. 126, 1985.
- [125] F. Pitta, T. Troosters, M. A. Spruit, M. Decramer, and R. Gosselink, "Activity monitoring for assessment of physical activities in daily life in patients with chronic obstructive pulmonary disease," *Archives of physical medicine and rehabilitation*, vol. 86, no. 10, pp. 1979–1985, 2005.
- [126] F. Pitta, T. Troosters, V. Probst, M. Spruit, M. Decramer, and R. Gosselink, "Quantifying physical activity in daily life with questionnaires and motion sensors in copd," *European Respiratory Journal*, vol. 27, no. 5, pp. 1040–1055, 2006.
- [127] S.-Y. Liao, R. Benzo, A. L. Ries, X. Soler *et al.*, "Physical activity monitoring in patients with chronic obstructive pulmonary disease," *Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation*, vol. 1, no. 2, pp. 155–165, 2014.
- [128] S. Patel, C. Mancinelli, P. Bonato, J. Healey, and M. Moy, "Using wearable sensors to monitor physical activities of patients with copd: A comparison of classifier performance," in *Wearable and Implantable Body Sensor Networks, 2009. BSN 2009. Sixth International Workshop on*. IEEE, 2009, pp. 234–239.
- [129] S. N. Vorrink, H. S. Kort, T. Troosters, and J. Lammers, "Level of daily physical activity in individuals with copd compared with healthy controls," *Respir Res*, vol. 12, no. 1, p. 33, 2011.
- [130] J. Lin, E. Keogh, S. Lonardi, and B. Chiu, "A symbolic representation of time series, with implications for streaming algorithms," in *Proceedings of the 8th ACM SIGMOD workshop on Research issues in data mining and knowledge discovery*. ACM, 2003, pp. 2–11.
- [131] M. M. M. Fuad, *Genetic algorithms-based symbolic aggregate approximation*. Springer, 2012.
- [132] N. Y. Hammerla, R. Kirkham, P. Andras, and T. Ploetz, "On preserving statistical characteristics of accelerometry data using their empirical cumulative distribution," in