

PRINCIPALES PUBLICACIONES DEL PROFESOR NARANJO SOBRE VARIABILIDAD Y COMPLEJIDAD.

1. De La Cruz Torres B, López López C, **Naranjo Orellana J**. Analysis Of Heart Rate Variability At Rest And During Aerobic Exercise. A Study In Healthy People And Cardiac Patients. *Br J Sports Med* 2008; 42:715-20.
2. J. Algaba del Castillo, B. de la Cruz Torres, **J. Naranjo Orellana**, R. A. Centeno Prada y J. de D. Beas Jiménez. Análisis del equilibrio estático en sujetos sanos mediante el cálculo de la entropía muestral. *Rev Andal Med Deporte*, 2008; 1(3):98-101.
3. De La Cruz Torres B, **Naranjo Orellana J**. Multiscale Time Irreversibility of Heartbeat at Rest and During Aerobic Exercise. *Cardiovasc Eng* 2010; 10(1):1-4.
4. De la Cruz Torres B, **Naranjo Orellana J**. Use of pNNx statistics in the evaluation of heart rate variability at rest and during exercise. *Arch Med Deporte*, 2010;138:255-59.
5. **Naranjo Orellana J**; De la Cruz Torres B. La entropía y la irreversibilidad temporal multiescala en el análisis de sistemas complejos en Fisiología Humana. *Rev Andal Med Deporte*, 2010; 3(1):29-32.
6. Sánchez M D, De la Cruz B, Algaba J, **Naranjo J**. Aportaciones del análisis no lineal al estudio de la marcha humana. *Arch Med Deporte*, 2011; 146: 374-382.
7. Medina Corrales M, De la Cruz torres B, Garrido esquivel A, Garrido Salazar MA, **Naranjo Orellana J**. Normal values of heart rate variability at rest in a young, healthy and active Mexican population. *Health*, 2012; 4:377-385.
8. Goya-Esteban R, Barquero-Perez O, Sarabia-Cachadiña E, **Naranjo-Orellana J**, Rojo-Alvarez JL. Heart Rate Variability Non Linear Dynamics in Intense Exercise. *Computing in Cardiology*. 2012;39:177-80.
9. Sarabia Cachadita E; De la Cruz Torres B; **Naranjo Orellana J**. Estudio comparativo de los perfiles semanales de Creatin Kinasa, Urea y Variabilidad de la Frecuencia Cardiaca en remeros de élite españoles. *Arch Med Deporte*, 2012; 152: 952-958.
10. Sarabia-Cachadiña E, Granados-García P, Tonon Da Luz SC, Goya-Esteban R, Barquero-Perez O, **Naranjo-Orellana J**, Berral de la Rosa FJ. Heart rate variability and phantom pain in male amputees: application of linear and nonlinear methods. *J Rehabil Res Dev*, 2013; 50(3):449-454.
11. Goya-Esteban R, Barquero-Perez O, Sarabia-Cachadiña E, **Naranjo-Orellana J**, Rojo-Alvarez JL. A modified Hilbert-Huang algorithm to assess spectral parameters in Intense Exercise. *Computing in Cardiology*. 2013;40:409-12.

12. De La Cruz Torres B, Sánchez López MD, Sarabia Cachadiña E, **Naranjo Orellana J**. Entropy in the Analysis of Gait Complexity: A State of the Art. *British Journal of Applied Science and Technology* 2013; 3(4):1097-1105.
13. **Naranjo Orellana J**, De La Cruz Torres B, Sarabia Cachadiña E, De Hoyo Lora M, Dominguez Cobo S. Two New Indexes for the Assessment of Autonomic Balance in Elite Soccer Players. *Int J Sports Physiol Perform* 2015; 10:452-457.
14. **Naranjo Orellana J**, De La Cruz Torres B, Sarabia Cachadiña E, De Hoyo Lora M, Dominguez Cobo S. Heart Rate Variability: a follow-up in elite soccer players throughout the season. *Int J Sports Med*. 2015; 36(11):881-886.
15. Hernández Cruz G, **Naranjo Orellana J**, Rosas Taraco A, Rangel Colmenero B. Leukocyte populations are associated with heart rate variability after a triathlon. *J Hum Kinet* 2016; 54:55-63.
16. De La Cruz Torres B, Albornoz Cabello M, García Bermejo P, **Naranjo Orellana J**. Autonomic responses to ultrasound-guided percutaneous needle electrolysis of the patellar tendon in healthy male footballers. *Acupunct Med*. 2016; 34(4):275-279.
17. García P, De la Cruz B, **Naranjo J**, Albornoz M. Autonomic activity in women during percutaneous needle electrolysis. *Eur J Integr Med* 2017; 11:53-58.
18. Aranda C, De La Cruz B, **Naranjo J**. Effects of different automatic filters on the analysis of heart rate variability with Kubios HRV Software. *Arch Med Deporte. Arch Med Deporte* 2017;34(4):196-200.