

Publicaciones Kinescan/IBV

Campo, S. S., de Benito Trigueros, A. M., Velasco, J. M. I., Castán, J. C. R., Castán, R. *Validación de un protocolo para la medición de la velocidad de golpeo en fútbol.* Apunts. Educación física y deportes, 2009; 2(96), 42–46.

De Rosario, H., Belda-Lois, J. M., Fos, F., Medina, E., Poveda-Puente, R., & Kroll, M. *Correction of joint angles from Kinect for balance exercising and assessment.* Journal of Applied Biomechanics, 2014; 30(2), 294-299.

De Rosario, H., Page, A., Besa, A., Mata, V., Conejero, E. *Kinematic description of soft tissue artifacts: quantifying rigid versus deformation components and their relation with bone motion.* Med Biol Eng Comput., 2012; 50 (11):1173–1181.

De Rosario, H., Page, A., Besa, A., Valera, A. *Propagation of soft tissue artifacts to the center of rotation: A model for the correction of functional calibration techniques.* Journal of Biomechanics, 2013; 46: 2619–2625.

De Rosario, H., Page, A., Mata, V. *Point of optimal kinematic error: Improvement of the instantaneous helical pivot method for locating centers of rotation.* Journal of Biomechanics, 2014; 47: 1742 – 1747.

Epifanio, I., Ávila, C., Page, A., Atienza, C. *Analysis of multiple waveforms by means of functional principal component analysis: normal versus pathological patterns in sit-to-stand movement.* Med Biol Eng Comput, 2008; 46: 551 – 561.

Gámez, J., Zarzoso, M., Raventós, A., Valero, M., Alcántara, E., López, A.,...Vera, P. *Determination of the optimal saddle height for leisure cycling (P188).* The Engineering of Sport 7, 2009; 255–260. Springer, Paris.

Gianikellis, K., Pantrigo, J.J., Pulido, J.M. *“Biomsoft: A software for biomechanical analysis of human movement.* Biomechanics Symposia 2001 / University of San Francisco.

Gianikellis, K., Skiadopoulos, A., Espino Palma, C., Sanchez-Margallo, F. M., Pagador Carrasco, J. B., & Sanchez-Margallo, J. A. *A method to assess upper-body postural variability in laparoscopic surgery.* En Biomedical Robotics and Biomechatronics (2014 5th IEEE RAS & EMBS International Conference on (pp. 76–81).

Gil-Agudo, A., Del Ama-Espinosa, A., Pérez-Rizo, E., Pérez-Nombela, S., & Crespo-Ruiz, B. *Shoulder joint kinetics during wheelchair propulsion on a treadmill at two different speeds in spinal cord injury patients.* Spinal cord, 2010; 48(4), 290–296.

Gil-Agudo, A., Del Ama-Espinosa, A., Pérez-Rizo, E., Pérez-Nombela, S., & Rodríguez-Rodríguez, L. P. *Upper limb joint kinetics during manual wheelchair propulsion in patients with different levels of spinal cord injury.* Journal of biomechanics, 2010; 43(13), 2508–2515.

Gutiérrez Dávila, M., Campos Granell, J., Bilbao Guerrero, A., Oña Sicilia, A. *Relación entre la fuerza horizontal ejercida contra los tacos, previa a una salida de velocidad, sobre el tiempo de movimiento y la velocidad.* Biomecánica, 2003; 11: 39-45.

Page, A., Candelas, P., Belmar, F., de Rosario, H. *Analysis of 3D rigid-body motion using photogrammetry: A simple model based on a mechanical analogy.* Am. J. Phys., 2007; 75 (1): 56-61.

Page, A., Candelas, P., Belmar. *Application of video photogrammetry to analyse mechanical systems in the undergraduate physics laboratory.* Eur. J. Phys., 2006, 27: 647–655.

Page, A., de Rosario, H., Gálvez, J.A., Mata, V. *Representation of planar motion of complex joints by means of rolling pairs. Application to neck motion.* Journal of Biomechanics, 2011; 44: 747 -750.

Page, A., de Rosario, H., Mata, V., Atienza, C. *Experimental Analysis of Rigid Body Motion. A Vector Method to Determine Finite and Infinitesimal Displacements From Point Coordinates.* Journal of Mechanical Design, 2009; 131: 031005-1 - 031005-8.

Page, A., De Rosario, H., Mata, V., Hoyos, J.V., Porcar, R. *Effect of marker cluster design on the accuracy of human movement analysis using stereophotogrammetry.* Med Bio Eng Comput., 2006; 44:1113–1119.

Page, A., de Rosario, H., Mata, V., Porcar, R., Solaz, J., Such, M.J. *Kinematics of the trunk in sitting posture: An analysis based on the instantaneous axis of rotation.* Ergonomics, 2009; 52(6):695–706.

Page, A., Galvez, J.A., de Rosario, H., Mata, V., Prat, J. *Optimal average path of the instantaneous helical axis in planar motions with one functional degree of freedom.* Journal of Biomechanics, 2010;43: 375–378.

Page, A., Mata, V., Hoyos, J.V., Porcar, R. *Experimental determination of instantaneous screw axis in human motions. Error analysis.* Mechanism and Machine Theory, 2007; 42: 429–441.

Sánchez-Zuriaga, D., López-Pascual, J., Garrido-Jaen, D., García-Más, M.A. *A comparison of lumbopelvic motion patterns and erector spinae behavior between a symptomatic subjects and patients with recurrent low back pain during pain -free periods.* Journal of Manipulative and Physiological Therapeutics, 2015; 38 (2):130–137.

Comunicaciones/ Congresos

De Rosario, H., Page, A., Mata, V., Besa, A., Conejero, E. *Kinematic characterization of soft tissue artifacts in human movement analysis.* The 2nd Joint International Conference on Multibody System Dynamics. May 29-June 1, 2012, Stuttgart, Germany.

Page, A., Gálvez, J.A., de Rosario, H., Mata, V., Baydal, J.M. *Optimal average path of the instantaneous screw axis in 3d human movements*. 7 th EUROMECH Solid Mechanics Conference. J. Ambrósio et.al. (eds.). Lisbon, Portugal, September 7-11, 2009.

Gianikellis,K., Skiadopwlos, A. “3d Kinematic analysis of the three main stroke in paddle tennis motor patterns”. 34th International Conference on Biomechanics in Sports, Tsukuba, Japan; July 18-22, 2016.

Enlaces web Valoración Funcional Lumbar IBV

Nuevos avances en la valoración biomecánica clínica.

Dra. M^a Dolores Sánchez Ruiz. Médico Especialista en Medicina Física y Rehabilitación, Hospital Universitario y Politécnico de La Fe. IX Jornadas de Valoración Funcional del IBV (2014).

http://www.dailymotion.com/video/x2ag4tc_ix-jornadas-valoracion-funcional-del-ibv-segunda-parte_tech&start=145 (1:35:40-1:45:44)

Valoración Funcional: Escalas clínicas y tecnologías. ¿Pugna o Alianza?

Dra. Adela Albero Sarrió, Hospital Universitario y Politécnico La Fe. IX Jornadas de Valoración Funcional del IBV (2014).

http://www.dailymotion.com/video/x2ag8ez_ix-jornadas-de-valoracion-funcional-del-ibv_tech&start=673 (32:28-43:59)

Análisis cinemático de la marcha.

Dr. Luis Garcés, Médico Especialista en Medicina Física y Rehabilitación, IBV. Dña. Magda Cáceres Cáceres, Fisioterapeuta IBV. VI Jornadas de Valoración Funcional del IBV (2011).

http://www.dailymotion.com/video/xnkn2l_analisis-cinematico-de-la-marcha-luis-garces-ibv_tech

Valoración cinemática de la marcha.

Dra. Carolina Colomer Font, Servicio de Daño Cerebral, Hospital Valencia al Mar. VI Jornadas de Valoración Funcional del IBV (2011).

http://www.dailymotion.com/video/xpwd0y_valoracion-cinematica-de-marcha-dra-carolina-colomer-hospital-valencia-al-mar_tech

Estudio cinético y cinemático del hombro durante la propulsión de la silla de ruedas.

Dr. Ángel M. Gil Agudo, Unidad de Biomecánica y Ayudas Técnicas. Hospital Nacional de Paraplégicos de Toledo. IV Jornadas de Valoración Funcional del IBV (2009).

<https://vimeo.com/12590032>