

Referencias bibliográficas Kinescan/IBV

Kinescan/IBV

Caceres, M., Serra, P., López, J., Page, A. *Reliability of the Shoulder Instantaneous Helical Axis measurement during the scaption movement.* Gait and Posture, <http://dx.doi.org/10.1016/j.gaitpost.2016.07.322>

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.

Referencias bibliográficas Kinescan/IBV

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.

Referencias bibliográficas Kinescan/IBV

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.

Gianikellis, K., Skiadopoulos, 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.

Page del Pozo, A., Passera Herrero, c., Baydal Bertomeu, J.M., Vivas Broseta, M.J. *27_ Descripción de la cinemática cervical mediante análisis de datos funcionales. Aplicación al estudio de la evolución de pacientes de latigazo cervical*. Primer Congreso Biomecánica y Sistemas Inteligentes de Rehabilitación CIBSIR 2017; November, 28 - 30, 2017, Quito, Ecuador.

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*. 7th EUROMECH Solid Mechanics Conference. J. Ambrósio et.al. (eds.). Lisbon, Portugal, September 7-11, 2009.

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

Referencias bibliográficas Kinescan/IBV

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>