MEDICAL BIBLIOGRAPHY

ARTICLES BY TOPIC

In-Shoe Plantar Pressure & Gait Analysis

Joint Research

Platform Based Plantar Pressure & Gait Analysis

Pressure Garment Research

Prosthetic Research

Seating Systems

General/Educational

Animal Studies

Ergonomics

Miscellaneous Applications

Tekscan in the News

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	173	Agins, S., Ghizzone, R., Kessler, H. *Evaluation of F-Scan instrument.* Wound Care of Northern NJ.
	19	Ahroni, J. H., Boyko, E. J., & Forsberg, R. (1998). Reliability of F-Scan in-shoe measurements of plantar pressure. *Foot and Ankle International, 9* (10), 668-673.
	20	Albert, S., & Rinoie, C. (1994). Effect of custom orthotics on plantar pressure distribution in the pronated diabetic foot. *The Journal of Foot And Ankle Surgery, 33* (6), 598-604.
	21	Albert, S. F., & Christensen, L. C. (1994). Diabetic foot pressure studies. *The Lower Extremity, 1* (1), 21-27.
	354	Ando, N., Ando, M., Takayanagi, T., Mano, Y., & Suzumura, A. (2000). *New corrective shoes to improve ataxic gait of patients with spinocerebellar degeneration.* Hokkaido University, Sapporo, Japan, 181-182.
	74	Awbrey, B. J., Siliski, J. M., & Tlumacki, M. (1998). *Biomechanical and clinical effectiveness of a new heel-accommodating orthosis to manage calcaneal fracture.* Paper presented at the 44th Annual Meeting, Orthopaedic Research Society, New Orleans, LA.
	22	Bailey, G. (1993). Computerized pressure mapping system for orthotic intervention. *The Canadian Association of Prosthetists and Orthotists Yearbook (93-94).*
	663	Barrett, S. (2005). Equinus deformity as a factor in forefoot nerve entrapment: Treatment with endoscopic gastrocnemius recession. *Journal of the American Podiatric Medical Association,* 464-468.
	23	Baumann, W., Krabbe, B., & Farkas, R. (1992). The application of in-shoe pressure distribution measurements in the controlled therapy of diabetes patients. *VTA Berichte Nr, 940* , 413-419.
	24	Birke, J. A., Foto, J. G., Deepak, S., & Watson, J. (1994). Measurement of pressure walking in footwear used in leprosy, *Lepr Rev 65,* 262-271.
	820	Botek, G., & Owings, T. M. (2009). Diabetes: Pressure data guide offloading efforts. *Lower Extremity Review, 1* (3), 25-30.
	550	Birke, J. A., Fred, B., Krieger, L. A., & Sliman, K. (2003). The effectiveness of an accommodative dressing in offloading pressure over areas of previous metatarsal head ulceration. *Wounds: A Compendium of Clinical Research and Practice, 15* (2), 33-39.
	315	Caselli, M. A. (1998). Foot management guidelines for the diabetic patient. *Podiatry Management,* 44-58.
	633	Caselli, M. A. (2004). Orthoses, materials, and foot function. *Podiatry Management,* 131-138.
	78	Chen, F. C. (1994). *A study of normal plantar pressure patter of the foot during the support phase of walking.* (Doctoral dissertation). University of Oregon, Eugene, OR.

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	26	Christensen, L. C., & Albert, S. F. (1994). Diabetic foot pressure studies ankle equinus and its effect on the forefoot. *The Lower Extremity.*
	27	Cibulka, M. T., & Mueller, M. J. (1994). Shin splints and forefoot contact running: A case report. *The Journal of Orthopaedic & Sports Physical Therapy, 20* (2), 98-102.
	28	Conti, S. F., Martin, R. L., Chaytor, E. R., Hughes, C., & Luttrell, L. (1996). Plantar pressure measurements during ambulation in weightbearing conventional short leg casts and total contact casts. *Foot & Ankle, 17* (8), 464-469.
	29	Cooper, P. S., Leone, D., B., T., & Nowak, M., D. (1995). Mechanical quantification of diabetic ankle foot orthosis for ulcer reduction potential in the diabetic patient. *Advances in Bioengineering, ASME, 31* , 79-80.
	30	Corbett, M. L. Abramowitz, A. J., Fowble, C. D., Rask, B., & Whitelaw, G. P. (1993). In-Shoe plantar pressure measurement of the first metatarsophalangeal joint in assymptomatic patients. *Foot & Ankle, 14* (9), 520-524.
	725	Crews, R. T. (2007). Pressure and activity level in the development of diabetic foot ulcers. *Podiatry Management, 26* (5), 101-104.
	280	Croome, J. C. S., Reymondes, E., Docampo, L. E., Carril, E., & Zavala, O. *Plantar pressure analysis in rehabilitation of hemiplegia patients* , 1-13.
	31	D'Amico, J. (1998). The F-Scan system with EDG module for gait analysis in the pediatric patient. *Journal of the American Podiatric Medical Association, 88* (4) 166-175.
	643	Dananberg, H., & Curran, S. A. (2005). Future of gait analysis: A podiatric medical perspective. *Journal of the American Podiatric Medical Association,* 130-142.
	625	Danaberg, H. (2004). Breakthroughs in orthotic fitting. *OrthoKinetic Review,* 30-32.
	472	Dananberg, H. (2001). Can in-shoe pressure analysis reinvent orthotics?. *Podiatry Today, 14* (2), 27-28.
	189	Dananberg, H. J., & Trachtenberg, G. C. (2000). High heel design puts less pressure on forefoot. *Biomechanics, 11* (2), 75-80.
	32	Deaver, T. (1999). Nature and use of the F-Scan gait analysis system. *New York College of Podiatric Medicine, 1* (1), 32-33.
	33	Donaghue, V. M., & Veves, A. (1997). Foot pressure measurement. *Orthopaedic Physical Therapy Clinics of North America, 6* (1), 1-16.
	85	Donaghue, V. M., Sarnow, M.R., Giurini, J.M., Chrzan, J.S., Habershaw, G.M., & Veves, A. (1996). Longitudinal in-shoe foot pressure relief achieved by specially designed footwear in high risk diabetic patients. *Diabetes Research and Clinical Practice, 31* , 109-114.

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	693	**Dilulio, R. (2006). Sole success. *PT Products,* 12-18.**
	34	**Esquenazi, A., & Keenan, M. (1993). Gait analysis. *Rehabilitation Medicine, Principals and Practice.***
	276	**Fitzgerald, B. New technology speeds up diagnoses of foot disorders. Boston University, 1-3.**
	752	**Foster, J. B. (2006). Impulse ratio data favor multi-axis ankles. *BioMechanics, 13* .**
	37	**Frederick, E. C. & Hartner, K. P. (1993). The evolution of foot pressure measurements. *Sensors Magazine,* 30-35.**
	90	**Frykberg, R., Bailey, L. F., Matz, A., Panthel, L. A., & Ruesch, G. (2002). Offloading properties of a rocker insole. *American Diabetes Association 58th Scientific Sessions, 92* (1), 48-53.**
	39	**Frykberg, R. G. (1997). Team approach toward lower extremity amputation prevention in diabetes. *Journal of the American Podiatric Medical Association* , *87* (7), 305-312.**
	40	**Frykberg, R. G., Lavery L. A., Pham, H., Harvey, C., Harkless, L. & Veves, A. (1998). Role of neuropathy and high foot pressures in diabetic foot ulceration. *Diabetes Care, 21* , 1714-1719.**
	649	**Garrow, A. P., Van Schie, C. H. M., Boulton, M. D., & Andrew, J. M. (2005). Efficacy of multilayered hosiery in reducing in-shoe plantar foot pressure in high-risk patients with diabetes. *Diabetes Care,* 2001-2005.**
	515	**Goldman, R., & Salcido, R. (2002). More than one way to measure a wound: An overview of tools and techniques. *Advances in Skin & Wound Care,* 236-243.**
	869	**Groner, C. (2010). Pressure treatment: Dynamic data guide orthotic therapy. *Lower Extremity Review,* 22-26.**
	719	**Han, T. R., Paik, N. J., & Im, M. S. (1999). Quantification of the path of center of pressure (COP) using an F-Scan in-shoe transducer. *Gait and Posture,* 248-254.**
	720	**Hayes, S. (2006). Athletic technology shapes more footwear (Part one). *CP - Current Pedorthics, 38* (9), 6-8 & 23.**
	721	**Hayes, S. (2006). Althetic fusion, part 2: The making of an athletic fusion shoe (Part two). *CP - Current Pedorthics, 38* (10), 8-10 & 61.**
	190	**Haynie, S., & Blair, K. (1999). Walking with a safer step. *Advance for Directors in Rehabilitation, 63* .**

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	715	Herring, K. M. (2007). Pertinent pearls on treating overuse injuries in endurance athletes. *Podiatry Today,* 92-96.
	518	Hsiao, H., Guan, J., & Weatherly, M. (2002). Accuracy and precision of two in-shoe pressure measurement systems. *Ergonomics, 45* (8), 537-555.
	503	Imamura, M., Imamura, S.T., Salomao, O., Pereira, C.A.M., De Carvalho, A.E., & Neto, R.B. (2002). Pedobarometric evaluation of the normal adult male foot. *Foot & Ankle International,* 804-809.
	43	Imamura, M., & Salomao, O. (1995). Prevention of plantar ulceration's recurrence in insensate feet. *Archives of Physical Medicine and Rehabilitation.*
	712	Ishii, K., Noyori, K., Inaba, Y., Nakashima, K., Kobayashi, N., & Saito, T. (2007). *Analysis of plantar pressure after total hip arthroplasty using F-Scan system.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society.
	622	Jackson, L., Binning, J., & Potter, J. (2004). Plantar pressures in rheumatoid arthritis using prefabricated metatarsal padding. *Journal of the American Podiatric Medical Association* , *94* (3), 239-245.
	3	Johnson, H., & Schiffman, R. (1992). How to feel a tour pro's foot pressure. *Golf Digest,* 62.
	197	Jong Paik, N., & Sik Im, M. (1997). The path of center of pressure of the foot during walking. *Journal of Korean Academy of Rehabilitation Medicine* , *21* (4), 762.
	1020	Kearney, R. S., Lamb, S. E., Dphil, Achten, J., Parsons, N. R., & Costa, M. L. (2011). In-Shoe plantar pressures within ankle-foot orthoses: Implications for the management of achilles tendon ruptures. *The American Journal of Sports Medicine.*
	596	Kirtley, C. (2003). Efficiency of gait. *Catholic University of America* .
	673	Kumar, V., Maru, M., Attar, F., & Adedapo, A.O. (2006) Plantar foot pressure study using the F-Scan Pedobarograph: Comparison of normal with hallux rigidus and metatarsalgia. *Journal of Bone & Joint Surgery (Br), 88-B* .
	324	Langer Biomechanics Group. (1995). Two intelligent systems made better. *A Step Ahead* ,1-8.
	46	Lavery, L., Lavery, D., & Quebedeax - Farnham, T. L. (1995). Increased foot pressures after great toe amputation in diabetes. *Diabetes Care, 18* (11), 1460-1462.
	446	Lawless, M. W., Reveal, G. T., & Laughlin, R. T. (2001). Foot pressures during gait: A comparison of techniques for reducing pressure points. *Foot & Ankle International* , *22* (7), 594-597.
	748	Lennon, N., Coleman, S., Church, C., Henley, J., Angeli, T., & Miller, F. (2006). *Tracking dynamic foot pressure patterns in young children with spastic cerebral palsy* . Paper presented at the 1st Joint ESMAC - GCMAS Meeting, Amsterdam, Netherlands.

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	655	Lennon, N., Coleman, S., Church, C., & Miller, F. (2005). Dynamic foot pressure in the early evolution of foot deformities for children with spastic cerebral palsy. *Gait & Clinical Movement Analysis Society.* Portland, OR.
	468	Leung, A. K. L., Cheng, J. C. Y., & Mak, A. F. T. (2001). Calculation of contact area ratio using dynamic footprint. *Orthopadie Technik,* 7-10.
	651	Levine, D. (2005). A closer look at case studies in gait analysis. *Podiatry Today,* 66-72.
	443	Levitz, S. J., & Sobel, E. (2000). Pressure analysis of the foot in gait. *Podiatry Management,* 87-96.
	48	Lord, M. (1997). Spatial resolution in plantar pressure measurement. *Medical Engineering and Physic, 19* , 140-144.
	49	Lord, M., Hosein, R., & Williams, R. B. (1992). Method for in-shoe shear stress measurement. *Journal of Biomedical Engineering, 14,* 181-186.
	593	Macfarlane, D. J., & Jensen, J. L., (2003). Factors in diabetic footwear compliance. *Journal of the American Podiatric Medical Association* , *93* (6), 485-491.
	1043	Martin, A. (2011). Step by step. *O&P Almanac,* 20-27.
	694	Mehrotra, T. (2005). If the shoe fits… it may be thanks to gait analysis. *2006 Biomechanics Desk Reference* , *7* (12), 164.
	109	Mizumura, T., Momohara, S., & Inoue, K. (1998). *Plantar pressure at walking in patients with rheumatoid arthritis.* Paper presented at the 44th Annual Meeting, Orthopaedic Research Society, New Orleans, LA.
	52	Mueller, M. J., & Strube, M. J. (1996). Generalizability of in-shoe peak pressure measurement using the F-Scan system. *Clinical Biomechanics* , *11* (3), 159-164.
	50	Mueller, M. J. (1992). Etiology, evaluation, and treatment of the neuropathic foot. *Critical Reviews in Physical and Rehabilitation Medicine* , *3* (4), 289-309.
	513	Mueller, M. J., Hastings, M., Commean, P. K., Smith, K., Pilgram, T. K., Robertson, D., & Johnson, J., (2002). *Forefoot structural predictors of plantar pressures during walking in people with diabetes and peripheral neuropathy.* Paper presented at the IV World Congress Biomechanics, Calgary, AB.
	675	Mueller, M. J., Lott, D., Hastings, M., Commean, P., Smith, K., & Pilgram, T. (2006). Efficacy and mechanism of orthotic devices to unload metatarsal heads in people with diabetes and a history of plantar ulcers. *Physical Therapy, 86* (6), 833-842.
	110	Mueller, M. J., Sinacore, D. R., Hoogstrate, S., & Daly, L. (1994). Hip and ankle walking strategies: Effect on plantar pressures and implications for neuropathic ulceration. *Arch Phys Med Rehabil, 74* (5), 1196-1200.

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In-Shoe Plantar Pressure & Gait Analysis	51	**Mueller, M. J. (1995). Use of an in-shoe pressure measurement system in the management of patients with neuropathic ulcers or metarsalgia. *JOSPT, 21* (6), 328-336.**
	684	**Mueller, M. J., Zou, D., & Lott, D. (2006). Effect of peak pressure and pressure gradient on subsurface shear stresses in the neuropathic foot. *Journal of Biomechanics,* 1-8.**
	681	**Mueller, M. J., Zou, D., & Lott, D. (2005). "Pressure gradient" as an indicator of plantar skin injury. *Diabetes Care, 28* (12), 2908-2912.**
	53	**Murphy, J. (1993). Inside industry: Tekscan offers computer-aided observation for gait analysis. *Advance Magazine for Physical Therapists,* 24.**
	1072	**El- Nahas, M. R., Gawish, H. M, Tarshoby, M. M., State, O.I., & Aboelyazid, A. (2011). Effect of simulated leg length discrepancy on plantar pressure distribution in diabetic patients with neuropathic foot ulceration. *J Wound Care, 20* (10), 473-477.**
	457	**New system at the capitol hill foot zone looks good for runners. (2000). *Northwest Runner* , 7.**
	690	**Nguyen, H. (2006). Diabetic shoe and insole stress reduction for ulcer care. *BioMechanics,* 63-66.**
	54	**Novick, A., Stone, J., Birke, J. A., Brasseaux, D. M., Broussard, J. B., Hoard, A.S., & Hawkins, E. S. (1993). Reduction of plantar pressure with the rigid relief orthosis. *Journal of the American Podiatric Medical Association, 83* (3), 115-122.**
	112	**Nowak, M. D., Cooper, P. S., & Abu-Hasaballah, K. S. (2008). *Plantar ulceration reduction ankle-foot orthoses: Subject - brace contact pressure evaluation during activities of daily living and finite alement modeling to reduce weight.* Paper presented at the 44th Annual Meeting, Orthopaedic Research Society, New Orleans, LA.**
	377	**Nowak, M. D., & Cooper, P. S. (2000). Design enhancement of a solid ankle-foot orthosis: Real -time contact pressures evaluation. *VA Research & Development* , *37* (3), 1-11.**
	546	**Pace, L. (2003). Gait way to revenue. *Physical Therapy Products* , 28-32.**
	1030	**Park, K. B., Park H. W., Lee K. S., Joo, S.Y., & Kim, H. W. (2008). Changes in dynamic foot pressure after surgical treatment of valgus deformity of the hindfoot in cerebral palsy. *J Bone Joint Surg Am, 90* (8), 1712-1721.**
	1031	**Park, K. B., H. W. Park, Joo, S.Y., & Kim, H. W. (2008). Surgical treatment of calcaneal deformity in a select group of patients with myelomeningocele. *J Bone Joint Surg Am, 90* (10), 2149-2159.**
	680	**Paton, J., & Spooner, K. (2006). Effect of extrinsic rearfoot post design on the lateral-to-medial position and velocity of the center of pressure. *Journal of the American Podiatric Medical Association* , *96* (5), 383-392.**
	771	**Paton, J., Stenhouse, E., Jones, R., & Bruce, G. (2007). Custom-made total contact insoles and prefabricated functional diabetic insoles: A case report. *The Diabetic Foot Journal,* 138-143.**

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In-Shoe Plantar Pressure & Gait Analysis	7	Payne - Herbold, J. A. (1992). Using computerized foot scan. *Advance Magazine for Physical Therapists,* 15-17.
	362	Pham, H. T., & Smakowki, P. (2000). Under the surface: F-Scan helps patients with diabetes manage foot ulcers. *Advance for Directors in Rehabilitation* , 77-78.
	269	Pham, H. T., Smakowski, P., & Dinh, T. L. (2001). The F-Scan in management of diabetic patients with high risk for neuropathic ulceration. *Primary Intention* , 27-30.
	8	Pinzur, M. S., & Vogel, E. C. (1998). Running shoes: Do they lose shock absorption with wear?. *Biomechanics, 98* (5), 61-63.
	117	Pitei, D. L., Edmonds, M. E. E., Lord, M., & Watkins, P. J. (1994). *F-Scan - A new method of in-shoe dynamic measurement of foot pressures.* Diabetic Department and Medical Engineering and Physics Department, King's College Hospital, London.
	186	Pitei, D. L., Lord, M., Foster, A., Wilson, S., Watkins, P., & Edmonds, M. E. (1999). Plantar pressures are elevated in the neuroischemic and the neuropathis diabetic foot. *Diabetes Care, 23* (12), 1966-1970.
	410	Polizos, T. (2001). Pressure sensitive: Tekscan can prevent ulcerations in the diabetic population, *Advance for Directors in Rehabilitation* , *10* (5), 77.
	328	Randolph, A. L., Nelson, M., Akkapeddi, S., Levin, A., & Alexandrescu, R. (2000). Reliability of measurements of pressures applied on the foot during walking by a computerized insole sensor system. *Archives of Physical Medicine and Rehabilitation* , *81* (5), 573-578.
	239	Randolph, A. L., Nelson, M., deAraujo, M. P., Perez-Millan, R. & Wynn, T. T. (1999). Use of computerized insole sensor system to evaluate the efficacy of a modified ankle-foot orthosis for redistributing heel pressures. *Archives of Physical Medicine and Rehabilitation, 80* , 801-804.
	120	Rash, G. S., & Quesada, P. M. (1997). *Static assessment of pedar and F-Scan inshoe pressure sensors; Revisited* . Gait and Biomechanics Lab, Frazier Rehab Center and Department of Mechanical Engineering, University of Louisville. Louisville, KY.
	12	Reichley, M. L. (1994). High-tech gait analysis enhances PT's skills. *Advance Magazine for Physical Therapists,* 24-25.
	741	Riad, J., Coleman, S., Henley, J., & Miller, F. (2006). *Reliability of pediobarographs for paediatric foot deformity.* Paper presented at the 1st Joint ESMAC - GCMAS Meeting, Amsterdam, Netherlands.
	1025	Rome, K., Survepalli, D. G., Lobo, M., Dalbeth, N., McQueen, F., & McNair, P. (2011). Evaluating intratester reliability of manual masking of plantar pressure measurements associated with chronic gout. *Journal of the American Podiatric Medical Association, 101* (5), 424-429.
	13	Rose, N.E., Farwell, L. A., & Cracchiolo, A. (1992). A method for measuring foot pressures using a high resolution, computerized insole sensor: The effect of heel wedges on plantar pressure distribution and center of force. *Foot & Ankle, 13* , 263-270.
	100	Saltzman, C. L., Johnson, K. A., Goldstein, R .H., & Donnelly, R. E. (1992). Patellar tendon bearing brace as treatment of neurotrophic arthropathy: A dynamic force monitoring study. *Foot and Ankle, 13* (1), 14-21.

Topic	No.	Paper
In-Shoe Plantar Pressure & Gait Analysis	15	Sarnow, M., Veves, A., Giurini, J., Rosenblum, B., C., J., & Habershaw, G. (1994). In-Shoe foot pressure measurements in diabetic patients with at-risk feet and in healthy subjects. *Diabetes Care* , *17* , 9.
	672	Scherer, P., Sanders, J., Eldredge, D., Duffy, S., & Lee, R. (2006). Effect of functional foot orthoses on first metatarsophalangeal joint dorsiflexion in stance and gait. J*ournal of the American Podiatric Medical Association, 96* (6),474-481.
	778	Scherer, Paul. (2007, August). Understanding the biomechanical effects of hallux limitus. *Podiatry Today* , 62-67.
	357	Smith, R. (2000). Gait-way to fee-for-service. *Podiatric Products,* 14-17.
	333	Smith, R. (2000). Walk this way. *Podiatric Products,* 14-17.
	783	Smith, Rich. (2008). Walking toward recovery. *Physical Therapy Products* , 12-15.
	361	Sol, N. (2000). Using in-shoe pressure analysis for orthotic accuracy. *Current Pedorthics, 6* (10), 31.
	763	Spencer, Scott. (2007, December). Current insights on custom and prefabricated foot orthoses. *Podiatry Today* , 30-35.
	61	Stewart, D. J. & Berezowski, B. (1993). Ulceration risk of a charcot foot: F-Scan in-shoe plantar pressure analysis, barefoot versus orthosis and shoe. *The Canadian Association of Prosthetists and Orthotists Yearbook* .
	62	Sutherland, D.H. (1992). Varus foot in cerebral palsy: An overview. *The Diplegic Child, Evaluation Management* .
	125	Tam, E., Leung, K. S., Evans, J. H., & Tsui, H. (1997). Post-operative effect of calcaneal fracture - An evaluation using dynamic plantar pressure. *Hong Kong Orthopaedic Association's 17th Annual Congress.* Hong Kong: Chinese University of Hong Kong & Hong Kong Polytechnic University.
	128	Tekscan, & Warnick. (1995). *F-Scan system accuracy & repeatability study,* 1-8.
	632	Thies, S., & Ashton-Miller, J.S. (2004). What causes a cross-over step when walking on uneven ground? A study in healthy young women. *American Society of Biomechanics* (8-11). Portland, OR.
	1058	Tong, J. W. K., Acharya, U.R., Chua, K.C., & Tan, P.H. (2011). In-shoe plantar pressure distribution in nonneuropathic type 2 diabetic patients in Singapore. *Journal of the American Podiatric Medical Association, 101* (6), 509-516.
	464	Trachtenberg, G. C. (2001). F-Scan business model. *Podiatry Management,* 124.

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In-Shoe Plantar Pressure & Gait Analysis	308	Tradati, A. (1999). Speciale test trekking. *Outdoor Montebianco* .
	777	Tranberg, R., Zügner, R., Wensby, L., Millesten, B., & Kärrholm, J. (2007). *How does two custom moulded insoles influence the diabetic patient. A comparison between insoles in different stiffness's.* Paper presented at the 12th World Congress of the International Society for Prosthetics and Orthotics, Vancouver, BC.
	129	Tremaine, M. D., Banco, S. P., Hayda, R., D124Rayman, M., Teed, K. C., & Tremaine, K. (1993). *The effect of metatarsal pads and their positioning: A quantitative assessment.* Anderson Orthopaedic Research Institute, Arlington, VA.
	304	Tsai, Y.S. (1999). The effects of wearing platform shoes on foot pressure in women. (Master's Thesis). New York University, New York, NY.
	207	Veves, A., & Donaghue, V. M. Pressure assessment methods in the foot, 1-32.
	131	Veves, A., Lyons, T. E., & Habershaw, G. M. (1994). *Foot pressure reduction with specially designed footwear in diabetic patients at risk of foot ulceration.* Paper presented at the American Diabetes Association, 54th Annual Meeting & Scientific Sessions, New Orleans, LA.
	63	Veves, A., Saouaf R., Donaghue, V.M., Mullooly, C.A., Kistler, J.A., Giurini, J.M., . . .Horton, E.S. (1997, November). Aerobic exercise capacity remains normal despite impaired endothelial function in the micro and macrocirculation of physically active IDDM patients. *Diabetes, 46* , 1846-1852.
	64	Veves, A., Sarnow, M. R., Giurini, J. M., Rosenblum, B. I., Lyons, T. E., Chrzan, J. S. & Habershaw, G. M. (1995). Differences in joint mobility and foot pressure between black and white diabetic patients. *Diabetic Medicine* ,*12* , 585-589.
	1064	Vidmar, G., & Novak, P. (2009). Reliability of in-shoe plantar pressure measurements in rheumatoid arthritis patients. *International Journal of Rehabilitation Research, 32* (1), 36-40.
	145	Walter, J. H., Ng, G.K. (2002). The evaluation of cleated shoes with the adolescent athlete in soccer. *The Foot* , *12* , 158-165
	592	Ward, E.D., Smith, K.M., Cocheba, J.R., Patterson, P.E., & Phillips, R. D. (2003). In vivo forces in the plantar fascia during the stance phase of gait. *Journal of the American Podiatric Medical Association* , *93* (6), 429-442.
	237	Wilford, A. (1999). Does softness equal comfort?. *SATRA,* 2-3.
	722	Williams, Bruce. (2007, February). High-tech evaluation of the athlete. *Podiatry Management,* 67-74.
	671	Williams, B., & Yakel, J. (2007). Clinical uses of in-shoe pressure analysis in podiatric sports medicine. *Journal of the American Podiatric Medical Association* , *97* (1), 49-58.
	604	Williams, B. (2004). In-shoe insights. *OrthoKinetic Review,* 30-32.

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In-Shoe Plantar Pressure & Gait Analysis	66	Young, C. R. (1993). The F-Scan system of foot pressure analysis. *Clinics In Podiatric Medicine And Surgery* , *10* (3), 455-461.
	585	Zhang, S., Wortley, M., Clowers, K., & Kohstal, C. (2003). *Longitudinal characteristics of plantar pressure measurements of a running shoe.* Paper presented at American Society of Biomechanics, Toledo, OH.
	364	Zimny, S., Reinsch, B., Schatz, H., & Pfohl, M. (2001, December). Effects of felted foam on plantar pressures in the treatment of neuropathic diabetic foot ulcers. *Diabetes Care* , *24* (12), 2153-2154.
Joint Research	582	Agins, H., Harder, V.S., Lautenschlager, E.P., & Kudrna, J.C. (2003). Effects of sterilization on the Tekscan digital pressure sensor. *Medical Engineering & Physics,* 1-6.
	677	Agneskirchner, J.D., Hurschler, C., Stukenborg-Colsman, C., Imhoff, A.B., & Lobenhoffer, P. (2004). Effect of high tibial flexion osteotomy on cartilage pressure and joint kinematics: A biomechanical study in human cadaveric knees. *Arch Orthop Trauma Surg* , *124* , 575-584.
	620	Anderson, I. A., MacDiarmid, A. A., Harris, M. L., Gillies, R. M., Phelps, R., & Walsh, W. R. (2003). A novel method for measuring medial compartment pressures within the knee joint in-vivo. *Journal of Biomechanics* , *36* (9), 1391-1395.
	713	Anglin, C., Brimacombe, J., Wilson, D., Masri, B., Greidanus, N., Tonetti, J., & Hodgson, A. (2007). *Intraoperative vs. weightbearing flexion ex vivo: Comparison of patellar mechanics.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	151	Arizono, T., Emoto, G., & Whiteside, I.A. (1999). *Effect of malrotation on tibiofemoral articular contact pressure and kinematics with a conforming tibial articulation in total knee replacement.* Paper presented at the 45th Annual Meeting, Orthopaedic Research Society, Anaheim, CA.
	193	Bachus, K. N., Brodke, D. S., Gollogly, S., & Mohr, R.A. (2000). *Dynamic cervical plates: Does load sharing cause instability.* Poster session presented at the 46th Annual Meeting, Orthopaedic Research Society, Orlando, FL.
	363	Bai, B., F. J. Kummer, Sala, D. A., Koval, K. J., & Wolinsky, P.R. (2001). Effect of articular step-off and meniscectomy on joint alignment and contact pressures for fractures of the lateral tibia plateau. *Journal of Orthopaedic Trauma, 15* (2), 101-106.
	699	Balasubramanian, S., Demetropoulos, C. K., Bilkhu, S. K., Sohn, D. H., Guettler, J., Jurist, K., & Yang, K. H. (2007). *Knee kinematics and tibiofemoral contact pressure measurements in normal, PCL deficient and PCL reconstructed knees.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	667	Beck, P. R., Thomas, A. L., Farr, J., Lewis, P. B., & Cole, B. J. (2205). Trochlear contact pressures after anteromedialization of the tibial tubercle. *American Journal of Sports Medicine* , *33* (11), 1710 - 1715.
	576	Blakemore, D., Allard, R., & Levine, D. (2000). Contact area and stress measurement utilizing Tekscan for a sublexed glenoid component under simulated loading conditions. *Biomaterials.*
	494	Blakemore, D.M., & Levine, D. (2000). *Comparison of methods to measure contact stresses in UHMWPE.* Paper presented at the SEM Conference.
	1047	Brady, M. F., Bradley, M.P., Fleming, B.C., Fadale, P.D., Hulstyn, M.J., & Banerjee, R. (2007). Effects of initial graft tension on the tibiofemoral compressive forces and joint position after anterior cruciate ligament reconstruction. *The American Journal of Sports Medicine, 35* (3), 395-403.

Topic	No.	Paper
Joint Research	648	Brimacombe, J. M., Anglin, C., Hodgson, A. J., & Wilson, D. R. (2005). *Validation of calibration techniques for Tekscan pressure sensors.* Paper presented at the ISB XXth Congress - ASB 29th Annual Meeting, Cleveland, OH.
	810	Brimacombe, J. M., Wilson, D. R., Hodgson, A. J., Ho, K. C.T., & Anglin, C. (2009). Effect of calibration method on Tekscan sensor accuracy. *Journal of Biomechanical Engineering,* 131.
	75	Booth, R. E., Sutton, D. C., & Hershberger, T. (1994, February). *Computerized bio-sensor analysis of total knee arthroplasty.* Paper presented at The Knee Society Scientific Meeting, New Orleans, LA.
	76	Caputo, A. E., Mazzocca, A. D. & Nowak, M. D. (1998, March). *Joint contact patterns of the radiocapitellar joint with forearm rotation in a cadaveric model.* Paper presented at the 44th Annual Meeting, Orthopaedic Research Society, New Orleans, LA.
	488	Conditt, M., Ismaily, S., Merves, M., Alexander, J., Bartz, R., & Lionberger, D. (2002). *Effect of notchplasty size on tibiofemoral contact area.* Paper presented at the 48th Annual Meeting, Orthopaedic Research Society, Dallas, TX.
	82	Cooper, P. S., Nowak, M. D. & Shaer, J. (1997). Calcaneocuboid joint pressure with lateral column lengthening (Evans) procedure. *Foot & Ankle International* , *18* (4), 199-205.
	704	Cottrell, J., Scholten, P., Kadrmas, W., Peterson, M., Warren, R., Wright, T., & Maher, S. (2007). *Dynamic contact mechanics of intact, meniscectomized, and allograft implanted knees - A preclinical experimental model.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	426	Davitt, J.S., Beals, T.C., & Bachus, K.N. (2001). The effects of medical and lateral displacment calcaneal osteotomies on ankle and subtalar joint pressure distribution. *Foot & Ankle International, 22* (11), 885-889.
	612	DeFrate, L., Gill, T.J., Park, S.E., Stamos, B.D., & Li, G. (2004). *Tibiofemoral joint kinematics affect patellofemoral joint contact pressures.* Paper presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	191	DeMarco, A. L., Rust, D. A. & Bachus, K. N. (2000, March). *Measuring contact pressure and contact area in orthopedic applications: Fuji Film vs Tekscan.* Paper presented at the Orthopaedic Research Society 46th Annual Meeting, Orlando, FL.
	512	Elias, J., Wilson, D. R., Adamson, R., MacIntyre, N. J., Cosgarea, A. J. (2002, August). *Experimental validation of a computational model of the patellofemoral joint.* Paper presented at the IV World Congress Biomechanics, Calgary, AB.
	489	Essner, A., Wang, A., & Poggie, M. (2002). *Crosslinked UHMEPR subject to mal-aligned knee wear.* Paper presented at the 48th Annual Meeting, Orthopaedic Research Society, Dallas, TX.
	149	Fishkin, Z., Serpe, L., Kester, M.A., Edidin, A., Mahoney, O.M., & Schmalzried, T.P. (1999). *Maximizing conformity without excess rotational constraint in TKA* . Paper presented at the Orthopedic Research Society 45th Annual Meeting, Anaheim, CA.
	710	Fitzpatrick, M., Udall, J., McGarry, M., Leba, T., & Lee, T. (2007). *Medial ulnar collateral ligament Injuries of the elbow: A comparison on stretching and cutting models.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	500	Guettler, J.H. (2002). *Osteochondral defects in the human knee: Influence of defect size on cartilage rim stresses and load redistribution to surrounding cartilage.* Poster presented at theAmerican Academy of Orthopedic Surgeons 69th Annual Meeting, Dallas, TX.

Topic	No.	Paper
Joint Research	502	Guettler, J. H., Glisson, R. R., Stubbs, A. J., Jurist, K. A., & Higgins, L. D. (2002). *Triad of varus malalignment, meniscectomy, and chondral damage: A biomechanical explanation for joint degeneration based on pressure and force distribution within the medial knee compartment.* Paper presented at the American Orthopedic Society for Sports Medicine 28th Annual Meeting, Orlando, FL.
	700	Hansen, M. L., Glousman, R. E., Hosseinzadeh, P., Kornswiet, M., McGarry, M. H., Tibone, J. E., & Lee, T. Q. (2007). *The effect of rotator cuff tear and repair site on glenohumeral joint contact.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	709	Hansen, M. L., Glousman, R. E., Hosseinzadeh, P., Kornswiet, M., McGarry, M. H., Tibone, J. E., & Lee, T. Q. (2007). *Glenohumeral joint contact characteristics in abduction and forward flexion.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	161	Harris, M. L., Morberg, P., Bruce, W. J. M., & Walsh, W.R. (1999). An improved method for measuring tibiofemoral contact areas in total knee arthroplasty: A comparison of K-Scan sensor and Fuji Film. *Journal of Biomechanics* , *32* , 951-958.
	490	Hatrick, C., O'Leary, S., Miller, B., Goldberg, J., Sonnabend, D., & Walsh, W. (2002). *Should acute anterior dislocation of the shoulder be treated in external rotation.* Poster presented at the 48th Annual Meeting of the Orthopaedic Research Society, Dallas, TX.
	492	Hurschler, C., Wuelker, N., Windhagen, H., & Klages, A. (2002). *Glenoid component loading patterns in total shoulder arthroplasty: Dependence on head component medial-lateral offset and rotator cuff function.* Poster presented at the 48th Annual Meeting of the Orthopaedic Research Society, Dallas, TX.
	703	James, K. B., Lintner, D. M., Yeh, M. L., Luo, Z. P., Lazar, D., & Noble, P. (2007). *Contact pressure changes at osteochondral graft donor sites following graft harvesting: A predictor of postoperative donor site morbidity* . Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	491	Kirking, B., Conditt, M., & Parduhn, C. (2002). *Validation of knee insert stress during virtual testing* . Poster presented at the 48th Annual Meeting of the Orthopaedic Research Society, Dallas, TX.
	135	Kirstukas, S.J. *Accuracy of Tekscan I-Scan force measurements in repeated deforming use* . Research Department, National College of Chiropractic, IL.
	610	Laman, B. L. White, J. T., Thompson, M. T., Conditt, M. A., & Noble, P. C. (2004). *Tibial and patellar component forces during kneeling after total knee replacement.* Poster presented in 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	1044	Latt, L. D., Glisson, R. R., Montijo, H. E., Usuelli, F. G., & Easley, M. E. (2011). Effect of graft height mismatch on contact pressures with osteochondral grafting of the talus. *The American Journal of Sports Medicine.*
	762	Lee, S. J., Aadalen, K. J., Malaviya, P., Lorenz, E. P., Hayden, J. K., Farr, J., …& Kang, R.W. (2006). Tibiofemoral contact mechanics after serial medial meniscectomies in the human cadaveric knee. *The American Journal of Sports Medicine, 34* (8), 1334-1344.
	707	Limpisvasti, O., Yang, B., Hosseinzadeh, P., Leba, T., Tibone, J., & Lee, T. (2007). *The effect of glenohumeral position following traumatic anterior dislocation.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	688	McKinley, T., Rudert, J., Koos, D. C., Tochigi, Y., Baer, T. E., & Brown, T. (2004). Pathomechanic determinants of posttraumatic arthritis. *Clinical Orthopaedics and Related Research, 427S* , S78-S88.
	702	McKinley, T., Tochigi, Y., Rudert, M., & Brown, T. (2007). *The effect of instability on contact stress and contact rates in cadaveric ankles.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.

Topic	No.	Paper
Joint Research	17	Mag, S. (1994). Sensor measures forces in knee implants. *Design News, Engineering News, 222,* 55.
	611	Matsuda, S., Mizu-uchi, H., Nakayama, K., Miura, H., Mawatari, T., Okazaki, K., . . . & Higaki, H. (2004). *Contact stress analysis at the post-cam mechanism in posterior stabilized total knee arthroplasty.* Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	106	Matsuda, S., Ishinishi, T., McCarthy, D. S., & Whiteside, L. A. (1996, February). *Contact stresses with an unresurfaced patella in total knee arthroplasty: The effect of femoral component design.* Paper presented at the 63rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Atlanta, GA.
	107	Matsuda, S., Williams, V. G., Whiteside, L. A., & White, S.E. (1994, February). *A comparison of pressure sensitive film and digital electronic sensors to measure contact area and contact stress.* Paper presented at the 41st Annual Meeting, Orthopaedic Research Society, Orlando, Florida.
	578	Matsuda, S., Whiteside, L., & Ishinishi, T. (1998). Effect of patellar meniscus on patellofemoral contact stress in total knee arthroplasty. *The Journal of Arthroplasty* ,*13* (6), 722-727.
	577	Matsuda, S., Whiteside, L. A., White, S. E., & McCarthy, D. S. (1997). Knee kinematics of posterior cruciate ligament sacrificed total knee arthroplasty. *Clinical Orthopaedics and Related Research* , *341* , 257-266.
	579	Matsuda, S., Ishinishi, T., White, S. E., & Whiteside, L. A. (1997). Patellofemoral joint after total knee arthroplasty. *The Journal of Arthroplasty* , *12* (7), 790-796.
	708	Mihata, T., McGarry, M., Kinoshita, M., & Lee, T. (2007). *Anterior capsular laxity may result in pathologic shoulder internal impingement: A cadaveric study.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	886	Mulcahey, M. K., Monchik, K. O., Yongpravat, C., Badger, G. J., Fadale, P. D., Hulstyn, M. J., & Fleming, B. C. (2011). Effects of single-bundle and double-bundle ACL reconstruction on tibiofemoral compressive stresses and joint kinematics during simulated squatting. *The Knee.*
	113	Ochoa, J. A., Sommerich, R. E. & Zalenski, E. B. (1993, February). *Application of an innovative experimental method to characterize contact mechanics of total joint replacements.* Paper presented at the 9th Annual Meeting, Orthopaedic Research Society, San Francisco, CA.
	706	Ogden, S., Mukherjee, DP., Keating, EM., Odgen, AL., Robinson, E., & McCall, R. (2007). *Load distribution in knees after opening of closing wedge high tibial osteotomy.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	714	Ostermeier, S., Fobbe, A., Krakow, N., Hurschler, C., & Stukenborg-Colsman, C. (2007). *Dynamic in-vitro measurement of tibiofemoral contact point after posterior cruciate retaining and substituing total knee arthroplasty.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	705	Ostermeier, S., Holst, M., Hurschler, C., Bohnsack, M., & Stukenborg-Colsman, C. (2007). *Dynamic in-vitro measurement of patellofemoral pressure after lateral retinacular release.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	192	Ostermeier, S., Stukenberg-Colsman, C., Wenger, K., & Wirth, C. (2000, February). *Dynamic in vitro comparison of tibiofemoral contact stress after TKA with fixed and mobile bearing inlay.* Poster presented at the Orthopaedic Research Society, Orlando, FL.
	835	Stukenborg-Colsman, C., Ostermeier, S., Hurschler, C., & Wirth, C. J. (2002). Tibiofemoral contact stress after total knee arthroplasty - Comparison of fixed and mobile-bearing inlay designs. *Acta Orthop Scand.* , *73* (6), 638-646.

Topic	No.	Paper
Joint Research	152	Otto, J. K., Brown, R. D., Heiner, A. D., & Callaghan, J. J. (1999, February). *Heredity integral drift compensation in piezoresistive contact stress sensors.* Paper presented at the 45th Annual Meeting, Orthopaedic Research Society, Anaheim, CA.
	114	Otto, J. K., Brown, T. D., Heiner, A. D., Pedersen, D. R., & Callaghan, J. J. (1998, March). *Characterization of the dynamic response of a piezoresistive contact stress sensor* . Paper presented at the 44th Annual Meeting, Orthopaedic Research Society, New Orleans, LA.
	609	Papaioannou, G., Demetropoulous, C., Guettler, J., Jurist, K., Fyhrie, D., Tashman, S., & Yang, K. (2004). *Osteochondral defects in the human knee with evaluation of defect size on cartilage rim stress: In-situ study for finite element model validation.* Posted presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	608	Papaioannou, G., Yang, K., Fyhrie, D., & Tashman, S. (2004). *Validation of a subject specific finite element model of the human knee developed for in-vivo tibio-femoral contact analysis.* Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	493	Parks, B., Sparks, N., & Stroud, C. (2002, February). *Contact pressures before and after repair of an osteochondral lesion of the anterolateral dome of the talus.* Poster Presented at the 48th Annual Meeting, Orthopaedic Research Society, Dallas, TX.
	115	Pavlovic, J. L., Takahashi, Y., Bechtold, J. E., Gustilo, R. B., & Kyle, R. F. (1991, October). *Can the Tekscan sensor accurately measure dynamic pressures in the knee joint?* Paper presented at the 17th Annual Meeting, American Society of Biomechanics, Iowa City, IA.
	701	Peltier, K. E., McGarry, M. H., Tibone, J. E., & Lee, T. Q. (2007). *Balanced repair of the IGHLC for anterior glenohumeral instability: A Biomechanical Study.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	751	Ramappa, A., Apreleva, M., Harrold, F., Fitzgibbons, P., Wilson, D., & Gill, T. (2006). The effects of medialization and anteromedialization of the tibial tubercle on patellofemoral mechanics and kinematics. *The American Journal of Sports Medicine, 34* (5), 749-756.
	614	Reach, J., Haleem, A., Talac, R., Riemer, R., Kaufman, K., An, K., … Adams, J. (2004). *Off-loading of the medial compartment of the knee using implanted magnets.* Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	696	Reese, K., Leba, T., McGarry, M., Ross, S. D. K., & Lee, T. Q. (2007). *Biomechanical effects of graft shape for lateral column lengthening.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	153	Rulkoetter, P. J., Gabriel, S. M., Colleran, D. P., & Zalenski, E. B. (1999, February). *The relationship between contact stress and contact area with implications for TKR evaluation and design.* 45th Annual Meeting, Orthopaedic Research Society, Anaheim, CA.
	698	Shani, R. H., Dewan, A. K., Kulkarni, N., Ismaily, S. K., Conditt, M. A., & Noble, P. C. (2007). *What are the contact stresses in the knee in deep flexion?* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	365	Short, W. H., Werner, F. W., Fortino, M. D., Palmer, A. K., & Mann, K. A. (1995). A dynamic biomechanical study of scapholunate ligament sectioning. *The Journal of Hand Surgery, 20A,* 986-999.
	615	Stubbs, D., Deakin, M., Hartwright, D., Bruce, W., Goldberg, J., Gillies, R. M., & Walsh, W. R. (2004). *Increasing tendon-bone contact area and pressure with a new device.* Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	514	Thambyah, A., Goh, J., & Das De, S. (2002, August). *Are the articular contact stresses in the knee joint during deep flexion critical?.* Paper presented at the IV World Congress of Biomechanics, Calgary, AB.

Topic	No.	Paper
Joint Research	547	U.S.-Russian partnership in prosthetics and rehabilitation. (2002). *O & P World, 2* (4).
	255	Wallace, A. L., Harris, M., Walsh, W. R., & Bruce, W. J. (1998). Intraoperative assessment of tibiofemoral contact stresses in total knee arthroplasty. *The Journal of Arthroplasty,* 13(8), 923-927.
	132	Werner, F., Green, J., Fortino, M. M, Mann, K., & Short, W. (1995, February). *Evaluation of a dynamic intra-articular contact pressure sensing system.* Paper presented at the 41st Annual Meeting, Orthopaedic Research Society, Orlando, FL.
	380	Wilson, D., Apreleva, M., Ramappa, M., Harrold, F., & Steiner, M. (1990). *Tibial tubercle anteromedialization restores patellar force distribution.* Paper presented at the XIth Congress of the Canadian Society of Biomechanics, Quebec City, QC.
	133	Wilson, D. R., Eichler, M. J. & Hayes, W. C. (1998, March). *Accuracy of the I-scan pressure measurement system.* Paper presented at the 44th Annual Meeting, Research Society, New Orleans, LA.
Platform Based Plantar Pressure & Gait Analysis	616	Calmes, J. W., Sullivan, E., Munroe, S. M., & Barnes, D. A. (2004). *Lateral column lengthening for planovalgus deformity in ambulatory children with cerebral palsy.* Paper presented at the 9th Annual Gait and Clinical Movement Analysis Society Meeting, Lexington, KY.
	77	Castagno, P., Miller, F., Richards, J., Gaboury, L., & Lennon, N. (1996). Reliability of foot pressure measurements in clinical gait analysis. *Gait and Posture, 4,* 170.
	766	Chapin, Krisanne. (2007, September). Walk of life: Computerized gait analysis can evaluate gait deficiencies. *Advance for Directors in Rehabilitation* , 39-42.
	685	Clough, James G. (2006). Functional hallux limitus and lesser-metatarsal overload. *Journal of the American Podiatric Medical Association* , 95(6), 593-602.
	621	Ducic, I., Short, K., & Dellon, A. L. (2004). Relationship between loss of pedal sensibility, balance, and falls in patients with peripheral neuropathy. *Annals of Plastic Surgery* , *52* (6), 535-540.
	654	El-Shammaa, M., Gryfakis, N., Lenard, K., Lashley, N., & Santangelo, L. D. (2005). *The effect of muscle imbalance on foot pressure in pediatric patients.* Paper presented at the Gait and Clinical Movement Analysis Society, Portland, OR.
	572	Hadfield, M. H., Snyder, J. W., Liacouras, P. C., Owen, J. R., Wayne, J. S., & Adelaar, R. S. (2003) Effects of medializing calcaneal osteotomy on achilles tendon lengthening and plantar foot pressures. *Foot & Ankle International* , *24* (7), 523-529.
	769	Hall, Carl. (2007, September). Computerized electronic foot pressure analysis - What does all this data mean? Part 1. *Podiatry Management* , 159-166.
	770	Hall, Carl. (2007, October). Computerized electronic foot pressure analysis - What does all this data mean? Part 2. *Podiatry Management* , 193-197.
	42	Henderson, J., Brown, S. E. P., & Darr, N. (1993, December). Foot pressures during a common ballet jump in standing and supine positions. *Medical Problems of Performing Artists,* 125-131.

Topic	No.	Paper
Platform Based Plantar Pressure & Gait Analysis	697	**Hendry, TM., Scott, AT., Robertson, RN., Iaquinto, JM., Owen, JR., Byrd, WA., . . .Wayne, JS. (2007). *Analysis of plantar pressures in cadaveric feet after corrective procedures for posterior tibial tendon deficiency.* Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.**
	757	**Hinesly, D. (2007, March). Walk the walk. *Physical Therapy Products,* 30-31.**
	782	**Hyer, S.; Plank, M., Rodin, A., & Patel, S. (2007, Winter). Postural instability in postmenopausal women with Type 2 diabetes. *Diabetic Foot Journal*, 210-214.**
	711	**Iaquinto, J., & Wayne, J. (2007). *Contact gait simulation system recreates regional plantar pressure distributions in the cadaveric lower leg.* Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.**
	745	**Jameson, G., Davids, J., Anderson, J., & Davis, R. (2006). *Quantitative analysis of foot function for children with cerebral palsy.* Paper presented at the 1st Joint ESMAC - GCMAS Meeting, Amsterdam, Netherlands.**
	679	**King, M., Bowers, R., & Boucher, J. (2006). *The role of foot position in postural stability and balance.* Paper presented at the 53rd Annual Meeting - ACSM, Denver, Colorado.**
	691	**Kirby, K. A. (2006, December). Emerging concepts in podiatric biomechanics. *Podiatry Today,* 36-48.**
	1028	**Ko, M., Hughes, L., & Lewis, H. (2011). Walking speed and peak plantar pressure distribution during barefoot walking in persons with diabetes. Physiotherapy Research International.**
	45	**Lavery, L. A., Fleishli, J. G., Laughlin, T. J., Vela, S. A., Lavery, D. C., & Armstrong, D .G. (1998). Is postural instability exacerbated by off-loading devices in high risk diabetics with foot ulcers?. *Ostomy/Wound Management,* 26-34.**
	780	**McKeon, P. O., Hertel, J. (2008). Systematic review of postural control and lateral ankle instability, Part II: Is balance training clinically effective?. *Journal of Athletic Training, 43* (3)*, 305-315.***
	116	**Pham, H., Lavery, L. A., Harvey, C., Rosenblum, B. I., Frykberg, R. G., Harkless, L. B., & Veves, A. *Risk factors of foot ulceration in a large diabetic population; Two year prospective follow-up.* Boston, MA, San Francisco, CA, San Antonio, TX.**
	411	**Rich, J. & Veves, A. (2000, July/August). Forefoot and rearfoot plantar pressures in diabetic patients: Correlation to foot ulceration. *Wounds: A Compendium of Clinical Research And Practice, 12* (4), 82-95.**
	392	**Richards, J., Royer, T., Schuyler, J., & Miller, F. (2002). *Changes in heel and forefoot loading after gastrocnemius fascia lengthening.* Abstract presented at the Gait and Clinical Movement Analysis Society, Chattanooga, TN.**
	716	**Richie, D. (2006, October). Chronic ankle instability: Can orthotics help?. *Podiatry Today,* 48-57.**
	674	**Richie, D. H. (2007, January/February). Effects on foot orthoses on patients with chronic ankle instability. *Journal of the American Podiatric Medical Association, 97* (1), 19-30.**

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Platform Based Plantar Pressure & Gait Analysis	765	Sakaguchi, K., Mehta, N., Abdallah, E., Forgione, A., Hirayama, H., Kawasaki, T., & Yokoyama, A. (2007, October). Examination of the relationship between mandibular position and body posture. *The Journal of Craniomandibular Practice* , *25(* 4), 237-249.
	1032	Scott, G., Menz, H. B., & Newcombe, L. (2007). Age-related differences in foot structure and function. *Gait & Posture* 26(1), 68-75.
	728	Srinivasan, P., Birchfield, D., Qian, G., & Kidane, A. *A pressure sensing floor for interactive media applications* . Arizona State University, Tempe, AZ.
	781	Thériault-Proulx, M., Comtois, A. S., Murphy, N., & Boucher, J.P. (2008, May) Validation of MatScan pressure matress for sway analysis. *American College of Sports Medicine* . Indianapolis, IN.
	304	Tsai, Y. (1999) The effects of wearing platform shoes on foot pressure in women. (Masters Thesis). New York, 1-20.
	640	Wrobel, J. S., Connolly, J. E., & Beach, M. L., (2004). Associations between static and functional measures of joint function in the foot and ankle. *Journal of the American Podiatric Medical Association, 94* (6), 535-541.
	603	Wrobel, J.S., Birkmeyer, N. J., Dercoli, J. L., & Connolly, J. E. (2003). Do clinical examination variable predict high plantar pressures in the diabetic foot?. *Journal of the American Podiatric Medical Association, 93* (5), 367-372.
	1023	Zammit, G. V., Menz, H. B., & Munteanu, S. E. (2010). Reliability of the TekScan MatScan® system for the measurement of plantar forces and pressures during barefoot level walking in healthy adults. *J Foot Ankle Res, 3* (11).
Pressure Garment Research	105	Mann, R., Yeong, EK., Moore, M., Colescott, D., & Engrav, L.H. *Do custom fitted pressure garments provide adequate pressure?* American Burn Association, Nashville, TN.
	4	Mann, R., Yeong, E. K., Moore, M. L. & Engrav, L. H. (1997, March/April). A new tool to measure pressure under burn garments. *Journal of Burn Care & Rehabilitation, 18* (2), 160-163.
Prosthetic Research	811	Agrawal, V., Gailey, R., O'Toole, C., Gaunaurd, I., & Dowell, T. (2009, June). Symmetry in external work (SEW): A novel method of quantifying gait differences between prosthetic feet. *Prosthetics and Orthotics International, 33* (2), 148-156.
	2	Buis, A., & Convery, P. (1996). Calibration problems encountered while monitoring stump/socket interface pressures with force sensing pesistors: Techniques adopted to minimise inaccuracies. *Prosthetics and Orthotics International* , *21* , 179-182.
	97	Houston, V. L., Mason, C. P., LaBlanc, K. P., Beattie, A. C., Garbarini, M. A. & Lorenze, E. J. (1994, March). *Preliminary results with the DVA-Tekscan BK Prosthetic Socket / Residual Limb stress measurement system.* Paper presented at the 20th Annual Meeting & Scientific Symposium, Nashville, TN.
Prosthetic Research	164	Houston, V.L., Luo, G., Mason, C.P., Arena, L., Beattie, A., LaBlanc, K., & Garbarini, M.A. (1998). *FEA for quantification of prosthetics CAD.* Paper presented at the CAD/CAM Systems in Pedorthics, Prosthetics, Orthotics Symposium. Dortmund, Germany, 254-276.
	772	Maurer, J., Ronsky, J., Loitz-Ramage, B., Anderson, M., Zernicke, R., & Harder, J. (2003, June). *Prosthetic socket interface pressures: Customized calibration technique for the Tekscan F-Socket system.* Paper presented at the Summer Bioengineering Conference. Key Biscayne, FL.

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Prosthetic Research	560	Neumann, E. S., Wong, J., & Drollinger, R. (2003). *Socket interface pressure and discomfort.* Poster presented at the American Academy of Orthotists and Prosthetists Annual Meeting. San Diego, CA.
	549	Pitkin, M., Smirnova, L., Scherbina, K., & Suslyaev, V. (2002). *Biomechanical evaluation of the adjustment of the prostetic free-flow (Rolling Joint) foot to minimize the pressure on stump.* Paper presented at the 7th Russian National Congress"People and Health". St. Petersburg, Russia.
	548	Pitkin, M., Smirnova, L., Scherbina, K., & Suslyaev, S. (2002). *Biomechanics of ice hockey skating in amputees with foot and ankle prostheses.* Paper presented at the *7* th Annual Russian National Congress: People and Health. St. Petersburg, Russia.
	146	Pitkin, M., Quesada, P.M., Colvin, J., Hays, J., & White, C. (1999) *Moment of resistance in the prosthetic feet as possible predictor of patient's performance and comfort.* Paper presented at the 25th Academy Annual Meeting and Scientific Symposium, American Academy of Orthotists and Prosthetists. New Orleans, LA.
	586	Pitkin, M., Smirnova, L., Scherbina, K., Suslyaev, S., & Zvonareva, E. (2003). *Preliminary biomechnical analysis of comfort in standing amputee hockey: Comparison of skating and walking* . IPRLS, Tuffs University School of Medicine, Boston MA, USA & Albrecht Center for Occupational Expertise, Prosthetics & Rehabilitation, St. Petersburg, Russia.
	686	Pitkin, M., Smirnova, L., Scherbina, K., Kurdybailo, S., Evseev, S., & Maslov, N. (2005, September). Pressure measurements on amputee's residuum in classifaction for standing ice hockey. *The Bulletin of the International Council of Sport Science and Physical Education (ICSSPE).*
	370	Polliack, A. A., Sieh, R. C., Craig, D. D., Landsberger, S., Mcneil, D.R., & Ayyappa, E. (2000). Scientific validation of two commercial pressure sensor systems for prosthetic socket fit. *Prosthetics and Orthotics International* , *24* , 63-73.
	118	Polliack, A. A., Landsberger, S., & McNeal, D. R. (1998). *Scientific characterization of the rincoe socket and Tekscan F-Socket interface pressure measurement systems: Implications for clinical utility* . Rancho Los Amigos Medical Center. Downey, CA.
	1084	Razak, N. A. A., & Osman N. A. A. (2011). Comparison study of the transradial prosthetics and body powered prosthetics using pressure distribution approach. *International Federation for Medical and Biological Engineering Proceedings, 35,* 743-746.
	316	Schmid, M., Zambarbieri, D., & Verni, G. *The pattern of centre of pressure during walking in lower limb amputee subjects budrio.* Universita degli Studi di Pavia. Budrio, Italy.
	383	Silver-Thorn, B., Steege, J. W., & Childress, D.S. (1996, July). A review of prosthetic stress investigations. *Journal of Rehabilitation Research and Development,33* (3), 253-266.
	730	Zelle, J., Barink, M., Loeffen, R., De Waal Malefijt, M., & Verdonschot, N. (2007). Thigh-calf contact force measurements in deep knee flexion. *Clinical Biomechanics* , *22,* 821-826.
Seating Systems	605	Andreoni, G., Pedotti, A., & Ferrarin, M. (2001). Pressure distribution on wheelchair cushions in static sitting and during manual propulsion. *Journal of Mechanics in Medicine and Biology, 1* (1), 33-44.
	448	Anwar, R., Ezra, A., & Jacknow, L. (2001, Fall). Treating decubitus ulscers in wheelchair users. *Rehab and Community Care Management,* 24-25.
	687	Bury, E. (2006, November). Navigating the pressure gradient. *Mobility Management, 5* (11), 14-24.

Topic	No.	Paper
Seating Systems	767	Carlson, A. H. (2007, October). Relieving pressure. *Rehab Management* , 28-32.
	35	Ferguson-Pell, M., Cardi, M. (1993). Pressure mapping systems: Pressure mapping systems can add a powerful tool to a therapist's seating and positioning evaluations. *Team Rehab Report,* 28-32.
	36	Ferguson-Pell, M., Cardi, M. (1993). Prototype development and comparative evaluation of wheelchair pressure mapping system. *Assistive Technology, 5* (2), 78-91.
	759	Ferguson-Pell, M., Nicholson, G., Bain, D., Call, E., Grady, J., & deVries, J. The role of wheelchair seating standards in determining clinical practices and funding policy. *RESNA, 17* (1).
	623	Gutierrez, E., Alm M., Hulting, C., & Saraste, H. (2003). Measuring seating pressure, area, and asymmetry in persons with spinal cord injury. *European Spine Journal, 13,* 374-379.
	824	Hanson, D. S., Langerno, D., Anderson, J., Thompson, P., & Hunter, S. (2009, June). Can pressure mapping prevent ulcers?. *Nursing,* 50-51.
	41	Henderson , J., Price, S., Brandstater, M. & Mandac, B. (1994, May). Efficacy of three measures to relieve pressure in seated persons with spinal cord injury. *Archives Physical Medicine Rehabilitation, 75* , 535-539.
	367	Inagaki, H., Taguchi, T., & Yasuda, E. (2000). Evaluation of riding comfort: From the viewpoint of interaction of human body and seat for static, dynamic, long time driving. *SAE Technical Paper Series,* 1-5.
	47	Lee, Y. L., & Lau, M. W. Y. (1996, June). Evaluation of static and dynamic pressure reliefing intervention in seated persons with spinal cord injury. *Proceedings of the International Conference on Biomedical Engineering* , Hong Kong, 91-93.
	692	Martucci, N. (2006, December). An ounce of prevention. *Rehab Management, 19* (10), 36-39.
	870	O'Rourke, J. (2010, October). Q & A with Lauren E. Rosen - Tips for choosing the optimal wheelchair cushion for clietns with mobility impairments. *Rehab Management,* 26-29.
	471	Palfy, T., & Foam, D. (2001, April/May). Finding the comfort zone through pressure-mat testing of seat cushions. *Urethanes Technology,* 29-31.
	669	Parkinson, M. B., Chaffin, D. B., & Reed, M. P. *Balance maintenance in normal seated research* . University of Michigan.
Seating Systems	9	Podoloff, R. M. (1992, October). Automotive seating analysis using thin, flexible tactile sensor arrays.
	56	Ragavan, R., Benoit, P., & Ohanna, F. *Clinical applications of real-time measurements of seating pressures among spinal cord injury patients.* Centre Propara (Spinal Unit), Montpellier, FR.

Topic	No.	Paper
Seating Systems	760	Smith, Rich. (2008, March). Devising a system: New tools help therapists find solutions. *Rehab Management, 21* (2), 10-15.
	729	Takeda, M., & Furusawa, K. (2007, June). Measurement of pressure relief positions in seated persons with spinal cord injury. Poster presented at the World Congress of Physiotherapy. Vancouver, BC.
General/ Educational	520	Ashruf, C.M.A. (2002). Thin flexible pressure sensors. *Sensor Review* , *22* (4), 322-327.
	584	D'Amico, J. (2003, September/October). What lies beneath?. *OrthoKinetic Review,* 18-19.
	597	American Diabetes Association. (2004, January). Preventive foot care in diabetes. *Diabetes Care, 27* (1), S63-S64.
	530	Murphy, N. (2002, October). Tekscan: More than ever meeting customer needs and market demands in pressure measurement, foot function assessment, and gait analysis. *Podiatry Management,* 124.
	575	Smith, R. (2003, July/August). The case for space. *OrthoKinetic Review,* 10 - 14.
	642	Vasquez, J. (2004-2005). Pedorthics & the golfer's foot: In-shoe, over ground, during swing. *Current Pedorthics, 38* , 12-14.
	334	Williams, M. G. (2000, June). Under pressure: An introduction to pressure mapping. ACPOC News-The Bulletin of the Association of Children's Prosthetic/Orthotic Clinics, *6* , 1-12.
	758	Wrobel, J. S. (2007, March). Practitioners innovate for foot ulcer prevention strategy. *BioMechanic* , 49-57.
Animal Studies	194	Barber, D., Arnold, W., Song, Y., Felt, J. & Martin, T. (2000, March). *Gait analysis for assessment of loading in the ovine model: Test method development.* Poster presented at the Orthopaedic Reseach Society 46th Annual Meeting, Orlando, FL.
	666	Besancon, M.F., Conzemius M. G., Derrick, T. R., & Ritter, M. J. *Comparison of vertical forces in normal dogs between the AMTI model OR6-5 Force Platform and the Tekscan (I-Scan Pressure Measurement System) Pressure Walkway [PowerPoint slides].* Iowa State University, Departments of Veterinary Clinical Sciences and School of Health and Human Performance.
	774	Boyd, B., Puttlitz, C., Noble-Haeusslin, L., John, C., Trivedi, A., & Topp, K. (2007, May). Deviations in gait pattern in experimental models of hindlimb paresis shown by a Novel pressure mapping system. *Journal of Neuroscience Research* , 2272-2283.
	272	Carter, Judy E., & Galuppo, L. D. (2000). An in-shoe pressure measurement system for the evaluation of lameness in horses. *Veterinary Medical Teaching Hospital* , 1-3. Retrieved from http://www.vmth.ucdavis.edu/vmth/What's%20New/Equine/lameness/lameness.htm
	531	Carter, Judy., Galuppo, L. D., Snyder, J. R., & Willits, N. H., (2001). Evaluation of an in-shoe pressure measurement system in horses. *AJVR, 62* (1), 23-28.

Topic	No.	Paper
Animal Studies	670	Carvalho, V. R. C., Bucklin, R. A., Shearer, J. K., & Shearer, L. (2005, June). Effects of trimming on dairy cattle hoof weight bearing and pressure distributions during the stance phase. *American Society of Agricultural Engineers* , 48(4), 1653-1659.
	447	Franks, J. N., Boothe, H. W., Taylor, L., Geller, S., Carroll, G. L., Cracas, V., & Boothe, D. M. (2000). Evaluation of transdermal fentanyl patches for analgesia in cats undergoing onychectomy. *JAVMA, 217* (7), 1013-1018.
	717	Galuppo, L.D., Stover, S. M., & Jensen, D. G. (2002). A biomechanical comparison of equine third metacarpal condylar bone fragment compression and screw pushout strength between headless tapered variable pitch and AO cortical bone screws. *The American College of Veterinary Surgeons, 31* , 201-210.
	894	Gillette, R. L., Angle, T. C. (2008). Recent developments in canine locomotar analysis: A review. *The Veterinary Journal* , *178,* 165-176
	641	Hood, D. M., Taylor, D., & Wagner, I.P. (2001, June). Effects of ground surface deformability, trimming, and shoeing on quasistatic hoof loading patterns in horses. *AJVR, 62* (6), 895-900.
	1075	Jay, G. D., Elsaid, K. A., Kelly, K. A., Anderson, S. C., Zhang, L., Teeple, E., . . . Waller, K. (2011). Prevention of cartilage degeneration and gait asymmetry by lubricin tribosupplementation in the rat following ACL transection. *Arthritis & Rheumatism* . Atlanta, GA: American College of Rheumatology.
	1021	Kim, J. & Breur, G. J. (2008). Temporospatial and kinetic characteristics of sheep walking on a pressure sensing walkway. *Can J Vet Res, 72* (1), 50-55.
	718	Lascelles, D., Findley, K., Correa, M., Marcellin-Little, D., & Roe, S. (2007, April). Kinetic evaluation of normal walking and jumping in cats, using a pressure-sensitive walkway. *The Veterinary Record, 160* , 512-516.
	689	Lascelles, D., Roe, S., Smith, E., Reynolds, L., Markham, J., Marcellin-Little, D., Bergh, M., & Budsberg, S. (2006, February). Evaluation of a pressure walkway system for measurement of vertical limb forces in clinically normal dogs. *American Journal of Veterinary Research* , *67* (2), 277-282.
	624	Lessiter, F. (2004). Computerized hoof analysis offers instant look at footcare worries. *American Farriers Journal,* 30(5), 20-22.
	613	von Lewinski, G. (2004). *Effect of pre-tensioning of meniscal transplants on the tibiofemoral contact area.* Paper presented at the 50th Annual Meeting of the Orthopaedic Research Society. San Francisco, CA.
	676	Winslow, Susan. (2006, August). New research provides insight into the physics of horseshoeing. *Equine Journal* , 138-141.
Ergonomics	555	Hooper, R.H. & Jones, G. R. (2003). *Are interface pressure measurements a true reflection of skin contact pressure when made over diferent layers of clothing?* . Loughborough University, Dept Human Services.
	872	Kim, S. E. A., Pozzi, Banks, S., Conrad, B., Lewis, D. D. (2009). Effect of tibial plateau leveling osteotomy on femorotibial contact mechanics and stifle kinematics. *Veterinary Surgery, 38* , 23-32.
	606	Macias, B.R., Chambers, H., Murthy, G.. (2004). *Loaded backpacks may pose a serious health risk to school children.* Paper presented at the 50th Annual Meeting of the Orthopaedic Research Society. San Francisco, CA.

Topic	No.	Paper
Ergonomics	893	Mastalerz, A., Nowak, E., Palczewska, I., & Kalka, E. (2009). Maximal grip force during holding a cylindrical handle with different diameters. *Human Movement, 10* (1), 26-30.
Misc. Applications	683	Romano, M., Carabalona, R., Petrilli, S., Sibilla, P., & Negrini, S. (2006, July). Forces exerted during exercise by patients with adolescent idiopathic scoliosis wearing fiberglass braces. *Scoliosis Journal,* 1-12.
Tekscan in the News	668	Goldman, M. (2005, November). Broadcast science: Cost effective workflow options for HD, Mo-cap, and CG. *Millimeter* , 12-20.