



## MEDICAL BIBLIOGRAPHY

### *ARTICLES BY TOPIC*

- P. 2      Knee Joint
- P. 3      Knee Joint  
          Elbow Joint  
          Disks & Vertebrae Joints  
          Shoulder Joint
- P. 4      Ankle Joint  
          Accuracy Articles

<u>Topic</u>	<u>No.</u>	<u>Paper</u>
Knee Joint	1507	Van Haver, A., De Roo, K., De Beule, M., Labey, L., De Baets, P., Dejour, D., Claessens, T., & Verdonk, P. (2007). The Effect of Trochlear Dysplasia on Patellofemoral Biomechanics: A Cadveric Study with Simulated Trochlear Deformities. <i>The American Journal of Sports Medicine</i> , 35(6): 1354-1361.
	1454	Lee, T.Q. (2014). Biomechanics of Hyperflexion and Kneeling Before and After Total Knee Arthroplasty. <i>Clinics in Orthopedic Surgery</i> , 6(2): 117-126.
	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. <i>The American Journal of Sports Medicine</i> , 35(3), 395-403.
	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. <i>The Knee</i> .
	714	Ostermeier, S., Fobbe, A., Krakow, N., Hurschler, C., & Stukenborg-Colsman, C. (2007). <i>Dynamic in-vitro measurement of tibiofemoral contact point after posterior cruciate retaining and substituting total knee arthroplasty</i> . Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	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. <i>The American Journal of Sports Medicine</i> , 34(8): 1334-1344.
	706	Ogden, S., Mukherjee, DP., Keating, EM., Odgen, AL., Robinson, E., & McCall, R. (2007). <i>Load distribution in knees after opening of closing wedge high tibial osteotomy</i> . 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). <i>Dynamic in-vitro measurement of patellofemoral pressure after lateral retinacular release</i> . Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	704	Cottrell, J., Scholten, P., Kadmas, W., Peterson, M., Warren, R., Wright, T., & Maher, S. (2007). <i>Dynamic contact mechanics of intact, meniscectomized, and allograft implanted knees - A preclinical experimental model</i> . Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	703	James, K. B., Lintner, D. M., Yeh, M. L., Luo, Z. P., Lazar, D., & Noble, P. (2007). <i>Contact pressure changes at osteochondral graft donor sites following graft harvesting: A predictor of postoperative donor site morbidity</i> . Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	698	Shani, R. H., Dewan, A. K., Kulkarni, N., Ismaili, S. K., Conditt, M. A., & Noble, P. C. (2007). <i>What are the contact stresses in the knee in deep flexion?</i> Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	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. <i>Arch Orthop Trauma Surg</i> , 124: 575-584.
	667	Beck, P. R., Thomas, A. L., Farr, J., Lewis, P. B., & Cole, B. J. (2005). Trochlear contact pressures after anteromedialization of the tibial tubercle. <i>American Journal of Sports Medicine</i> , 33(11), 1710 - 1715.
	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. <i>Journal of Biomechanics</i> , 36(9): 1391-1395.
	613	von Lewinski, G. (2004). <i>Effect of pre-tensioning of meniscal transplants on the tibiofemoral contact area</i> . Paper presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
	609	Papaioannou, G., Demetropoulous, C., Guettler, J., Jurist, K., Fyhrie, D., Tashman, S., & Yang, K. (2004). <i>Osteochondral defects in the human knee with evaluation of defect size on cartilage rim stress: In-situ study for finite element model validation</i> . Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.
608	Papaioannou, G., Yang, K., Fyhrie, D., & Tashman, S. (2004). <i>Validation of a subject specific finite element model of the human knee developed for in-vivo tibio-femoral contact analysis</i> . Poster presented at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA.	

<u>Topic</u>	<u>No.</u>	<u>Paper</u>
<b>Knee Joint</b>	582	Agins, H., Harder, V.S., Lautenschlager, E.P., & Kudrna, J.C. (2003). Effects of sterilization on the Tekscan digital pressure sensor. <i>Medical Engineering &amp; Physics</i> , 1-6.
	514	Thambyah, A., Goh, J., & Das De, S. (2002, August). <i>Are the articular contact stresses in the knee joint during deep flexion critical?</i> . Paper presented at the IV World Congress of Biomechanics, Calgary, AB.
	491	Kirking, B., Conditt, M., & Parduhn, C. (2002). <i>Validation of knee insert stress during virtual testing</i> . Poster presented at the 48th Annual Meeting of the Orthopaedic Research Society, Dallas, TX.
	488	Conditt, M., Ismaily, S., Merves, M., Alexander, J., Bartz, R., & Lionberger, D. (2002). <i>Effect of notchplasty size on tibiofemoral contact area</i> . Paper presented at the 48th Annual Meeting, Orthopaedic Research Society, Dallas, TX.
	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. <i>Journal of Biomechanics</i> , 32: 951-958.
	115	Pavlovic, J. L., Takahashi, Y., Bechtold, J. E., Gustilo, R. B., & Kyle, R. F. (1991, October). <i>Can the Tekscan sensor accurately measure dynamic pressures in the knee joint?</i> Paper presented at the 17th Annual Meeting, American Society of Biomechanics, Iowa City, IA.
	75	Booth, R. E., Sutton, D. C., & Hershberger, T. (1994, February). <i>Computerized bio-sensor analysis of total knee arthroplasty</i> . Paper presented at The Knee Society Scientific Meeting, New Orleans, LA.
<b>Elbow</b>	710	Fitzpatrick, M., Udall, J., McGarry, M., Leba, T., & Lee, T. (2007). <i>Medial ulnar collateral ligament Injuries of the elbow: A comparison on stretching and cutting models</i> . Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
<b>Disks &amp; Vertebrae</b>	1396	Hale, R., deBock, M., & Gonzalez, R., (2013). <i>Estimation of Individual Muscle Forces During Squatting and Lunging and Their Load Effect on the Tibial Plateau</i> . Paper presented at the Annual Meeting of the American Society of Biomechanics, Omaha, NE.
	193	Bachus, K. N., Brodke, D. S., Gollogly, S., & Mohr, R.A. (2000). <i>Dynamic cervical plates: Does load sharing cause instability</i> . Poster session presented at the 46th Annual Meeting, Orthopaedic Research Society, Orlando, FL.
<b>Shoulder</b>	1543	Przestrzelski, B.T., Hawkins, R.J., Colbath, G.P., Gagliano, J.R., Njinimbam, N.B., Helms, S.M., Marionneaux, A. M., & DesJardins, J.D. (2014). <i>A pilot study of glenoid loading and stability of the inlay versus onlay shoulder system</i> . Paper presented at the 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA.
	1384	Giles, J.W., Puskas, G.J., Welsh, M.F., Johnson, J. A., & Athwal, G. S., (2013). Suture Anchor Fixation of Bony Bankart Fractures. <i>American Journal of Sports Medicine</i> . 44 (11): 263-2631.
	709	Hansen, M. L., Glousman, R. E., Hosseinzadeh, P., Kornswiet, M., McGarry, M. H., Tibone, J. E., & Lee, T. Q. (2007). <i>Glenohumeral joint contact characteristics in abduction and forward flexion</i> . Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	700	Hansen, M. L., Glousman, R. E., Hosseinzadeh, P., Kornswiet, M., McGarry, M. H., Tibone, J. E., & Lee, T. Q. (2007). <i>The effect of rotator cuff tear and repair site on glenohumeral joint contact</i> . Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
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<u>Topic</u>	<u>No.</u>	<u>Paper</u>
<b>Ankle Joint</b>	1489	Lareau, C.R., Bariteau, J.T., Paller, D.J., Koruprolu, S.C., & DiGiovanni, C.W., (2014). Contribution of the Medial Malleolus to Tibiotalar Joint Contact Characteristics. <i>Foot &amp; Ankle Specialist</i> . 8 (1): 23-28.
	1144	Nguyen, M.L., Quigley, R.J., McGarry, M.H., Hanypsiak, B.; Morgan, C., Gupta, R., & Lee, T.Q. (2012). <i>The Role of the Biceps Brachii in Overhead Throwing: A Biomechanical Study</i> . Paper presented at the 58th Annual 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. <i>The American Journal of Sports Medicine</i> .
	702	McKinley, T., Tochigi, Y., Rudert, M., & Brown, T. (2007). <i>The effect of instability on contact stress and contact rates in cadaveric ankles</i> . Poster presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	696	Reese, K., Leba, T., McGarry, M., Ross, S. D. K., & Lee, T. Q. (2007). <i>Biomechanical effects of graft shape for lateral column lengthening</i> . Paper presented at the 53rd Annual Meeting of the Orthopaedic Research Society, San Diego, CA.
	<b>Accuracy Articles</b>	615
426		Davitt, J.S., Beals, T.C., & Bachus, K.N. (2001). The effects of medial and lateral displacement calcaneal osteotomies on ankle and subtalar joint pressure distribution. <i>Foot &amp; Ankle International</i> , 22(11), 885-889.
107		Matsuda, S., Williams, V. G., Whiteside, L. A., & White, S.E. (1994, February). <i>A comparison of pressure sensitive film and digital electronic sensors to measure contact area and contact stress</i> . Paper presented at the 41st Annual Meeting, Orthopaedic Research Society, Orlando, Florida.
1223		Jansson, K.S., Michalski, M.P., Smith, S.D., LaPrade, R.F., Wijdicks, C.A. (2012, September). Tekscan pressure sensor output changes in the presence of liquid exposure. <i>Journal of Biomechanics</i>
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. <i>Journal of Biomechanical Engineering</i> , 131.
648		Brimacombe, J. M., Anglin, C., Hodgson, A. J., & Wilson, D. R. (2005). <i>Validation of calibration techniques for Tekscan pressure sensors</i> . Paper presented at the ISB XXth Congress - ASB 29th Annual Meeting, Cleveland, OH.
555		Hooper, R.H. & Jones, G. R. (2003). <i>Are interface pressure measurements a true reflection of skin contact pressure when made over diferent layers of clothing?</i> . Loughborough University, Dept Human Services.
494		Blakemore, D.M., & Levine, D. (2000). <i>Comparison of methods to measure contact stresses in UHMWPE</i> . Paper presented at the SEM Conference.
191		DeMarco, A. L., Rust, D. A. & Bachus, K. N. (2000, March). <i>Measuring contact pressure and contact area in orthopedic applications: Fuji Film vs Tekscan</i> . Paper presented at the Orthopaedic Research Society 46th Annual Meeting, Orlando, FL.
152		Otto, J. K., Brown, R. D., Heiner, A. D., & Callaghan, J. J. (1999, February). <i>Heredity integral drift compensation in piezoresistive contact stress sensors</i> . Paper presented at the 45th Annual Meeting, Orthopaedic Research Society, Anaheim, CA.
135		Kirstukas, S.J. <i>Accuracy of Tekscan I-Scan force measurements in repeated deforming use</i> . Research Department, National College of Chiropractic, IL.
133		Wilson, D. R., Eichler, M. J. & Hayes, W. C. (1998, March). <i>Accuracy of the I-scan pressure measurement system</i> . Paper presented at the 44th Annual Meeting, Research Society, New Orleans, LA.