PUBLICATIONS OF INTEREST

The Journal’s “Publications of Interest” list is compiled by Lily W. Hom, M.L.S., M.S., who is Technical Information Specialist of the Office of Technology Transfer. Most of the articles cited are selected from journals subscribed to by the O.T.T. Reference Collection, while others have been obtained directly from the authors after the works were abstracted in Bioengineering Abstracts and/or Excerpta Medica or were cited as references or noted in reviews elsewhere.

To obtain a copy or reprint of a specific paper, our readers are advised to direct inquiries to the appropriate author. The name and address of the author to be contacted appears at the end of each listing. In most instances, a reprint of a recent paper is available as a professional courtesy from the author.

A book or report should be obtained from the publisher. The name and address of the publisher, and the price, appear with the listing.

BIOENGINEERING


External control of the neuromuscular system. Solomonow M. IEEE Trans Biomed Eng 1984 Dec;BME-31(12):752-763. (CONTACT: Moshe Solomonow, Bioengineering Lab, Dept. of Orthopaedic Surgery, Louisiana State University Medical Center, New Orleans, LA 70112, USA)


PUBLICATIONS OF INTEREST


BIOMECHANICS


Hospital for Joint Diseases Orthopaedic Institute, 301 East 17th St., New York, NY 10003, USA


(Contact: Margareta Nordin, Dept. of Orthopedic Surgery I, Sahlgren Hospital, S-413 45 Göteborg, Sweden)


(Contact: M. Garrett, Dept. of Physiology, Trinity College, Dublin 2, Republic of Ireland)


(Contact: J. H. M. van Eijndhoven, Dept. of Neurology, Faculty of Medicine, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam, The Netherlands)


(Contact: R. Shiavi, Dept. of Biomedical Engineering, Vanderbilt University, Nashville, TN 37235, USA)


(Contact: R. Shiavi, Dept. of Biomedical Engineering, Vanderbilt University, Nashville, TN 37235, USA)


(Contact: Chandler A. Phillips, Bioengineering and Biomechanics Labs, Depts. of Engineering and Physiology, Wright State University, Dayton, OH 45435, USA)


(Contact: Carlo J. De Luca, Dept. of Biomedical Engineering, Boston University, Boston, MA 02215, USA)


(Contact: J. Kiwerski, Rehabilitation Clinic, Warsaw Medical Academy, Warsaw, Poland)


(Contact: S. Khodadadeh, Orthotic Research and Locomotor Assessment Unit, The Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, Shropshire SY10 7AG, UK)


(Contact: S. Siegler, Dept. of Mechanical Engineering and Mechanics, Drexel University and Rehabilitation Engineering Center, Moss Rehabilitation Hospital, Philadelphia, PA 19141, USA)


Restoration of movement by electrical stimulation: a contemporary view of the basic problems. Solomomow M. Orthopedics 1984 Feb;7(2):245–250. (CONTACT: M. Solomonow, Dept. of Orthopedic Surgery, Louisiana State University School of Medicine, 1542 Tulane Ave., New Orleans, LA 70112, USA)


A system to measure the forces and moments at the knee and hip during level walking. Gilbert JA, Maxwell GM, McElhaney JH, and Chippering FW. J Orthop Res 1984;2(3):281–288. (CONTACT: Jerome A. Gilbert, Division of Orthopaedics, University of North Carolina School of Medicine, 276 Burnett-Womack, Building 229-H, Chapel Hill, NC 27514, USA)

Thoracic spine centers of rotation in the sagittal plane. Panjabi MM. Krag MH, Dimet JC, Walter SD and Brand RA. J Orthop Res 1984;1(4):387–394. (CONTACT: M. M. Panjabi, Dept. of Surgery, Yale University School of Medicine, 333 Cedar St., New Haven, CT 06510, USA)


Aerobic capacity of severely disabled Indians. Goswami A, Ghosh AK, Ganguli S, and Banerjee AK. Ergonomics 1984 Dec;27(12):1267–1269. (CONTACT: A. Goswami, Bioengineering Unit, Dept. of Orthopaedics, University College of Medicine, Goenka Hospital, Calcutta University, 145 Muktaram Babu St., Calcutta 700 007, India)


Electrodiagnostic values through the thoracic outlet using C8 root needle studies, F-waves, and cervical somatosensory evoked potentials. Livingstone Er, DeLisa JA, and Halar EM. Arch Phys Med Rehab 1984 Nov;65(11):726–730. (CONTACT: Joel A. DeLisa, Associate Chief of Staff/Education/11E, Veterans Administration Medical Center, 1660 South Columbian Way, Seattle, WA 98108, USA)

(CONTACT: Simon P. Levine, Dept. of Physical Medicine and Rehabilitation, University of Michigan Medical Center, Ann Arbor, MI 48109, USA)


(CONTACT: Lynda Hollett Hundertmark, R.D. 2, Clove Valley Rd., La-Grangeville, NY 12540, USA)


(CONTACT: K.T.V. Grattan, Measurement and Instrumentation Centre, School of Electrical Engineering and Applied Physics, The City University, London EC1V 0HB, UK)


(CONTACT: Edwin G. Gonzales, 622 West 168 St., Box 438, New York, NY 10032, USA)


(CONTACT: John F. Howe, Group Health Cooperative, Neurosurgery Clinic, 200 15th Ave. East, Seattle, WA 98112, USA)


(CONTACT: T. Duckworth, Dept. of Orthopaedic Surgery, Royal Hallamshire Hospital, Sheffield S10 2JF, England)


(CONTACT: Shraga Hocherman, Dept. of Physiology and Biophysics, Technion Faculty of Medicine, P.O. Box 9649, Haifa 31096, Israel)


(CONTACT: Mehrsheed Sinaki, Dept. of Physical Medicine and Rehabilitation, Mayo Clinic, Rochester, MN 55905, USA)


(CONTACT: Robert L. Rhodes, 3149 Southern Ave., Memphis, TN 38111, USA)


(CONTACT: Joel A. DeLisa, Associate Chief Staff/Education/11E, Veterans Administration Medical Center, 1660 South Columbian Way, Seattle, WA 98108, USA)


(CONTACT: Edwin G. Gonzales, Columbia Presbyterian Medical Center, 622 West 168 St., New York, NY 10032, USA)


(CONTACT: Larry Leifer, Rehabilitation Research and Development Center/MS-153, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)


(CONTACT: Charles H. Pritham, Editor of CPO, American Academy of Orthotists and Prosthetists, 717 Pendleton St., Alexandria, VA 22314, USA)


(CONTACT: Joel B. Myklebust, Dept. of Neurosurgery, Medical College of Wisconsin, 8700 West Wisconsin Ave., Milwaukee, WI 53226, USA)


(CONTACT: R. I. Damper, Dept. of Electronics, University of Southampton, Southampton S09 5NH, UK)


(CONTACT: Simon P. Levine, Dept. of Physical Medicine and Rehabilitation, University of Michigan Medical Center, Ann Arbor, MI 48109, USA)


(CONTACT: Rosemary E. Hills, Dept. of Physiotherapy, New Cross Hospital, London SE14, England)


(CONTACT: Richard K. Olney, Rehabilitation Medicine Service/127-P, Veterans Administration Medical Center, P.O. Box 1034, Portland, OR 97207, USA)


(CONTACT: Susan L. Garber, Dept. of Occupational Therapy, Institute for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77030, USA)


(CONTACT: J. G. B. Madorsky, Casa Colina Hospital for Rehabilitation Medicine, 255 East Bonita Ave., Pomona, CA 91767, USA)

ORTHOPEDIC IMPLANTS


(CONTACT: Indong Oh, Dept. of Orthopaedic Surgery, Suite 103, Huntington Memorial Hospital, 10 Congress St., Pasadena, CA 91105, USA)

A biomechanical comparison of various methods of stabilization of subtrochanteric fractures of the femur. Tencer AF, Johnson...
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Comparative fatigue behavior of different bone cements. Gates EI, Carter DR, and Harris WH. Clin Orthop Rel Res 1984 Oct;199:294–299. (CONTACT: William H. Harris, Orthopaedic Research Laboratory, Massachusetts General Hospital, Boston, MA 02114, USA)


ORTHOTICS


Conventional versus reciprocating braces: effect on gait and spinal posture. Morden ML and Herman E. Inter-Clin Info Bull 1984 Autumn;19(3):65. (CONTACT: Mary L. Morden, Johns Hopkins Hospital, 600 North Wolfe St., Baltimore, MD 21205, USA)


Dynamics and the L3 through L5 myoelectromyoecelexl child. Glinzy J. Clin Prosth Orthot 1984 Fall;8(4):15–23. (CONTACT: John Glancy, Orthotics Division, James Whitcomb Riley Hospital for Children, Room 1100, Indiana University Medical Center, 702 Barnhill Drive, Indianapolis, IN 46223, USA)


Effectiveness of braces in mild idiopathic scoliosis. Miller JAA, Nachemson AL and Schultz AB. Spine 1984 Sept;9(6):632-635. (CONTACT: James A. A. Miller, Dept. of Mechanical Engineering and Applied Mechanics, University of Michigan, Ann Arbor, MI 48109, USA)


An improved ankle-foot orthosis for correction of equinus. Pinzur MS and Gavin T. Orthopedics 1984 Feb;7(2):263-264. (CONTACT: Michael S. Pinzur, Dept. of Orthopaedics and Rehabilitation, Loyola University Stritch School of Medicine, 2160 South First Ave., Maywood, IL 60153, USA)

Low temperature hand splinting with thermoplastic materials. Swan D. Physiother 1984;70(9):341-345. (CONTACT: Diana Swan, Dept. of Occupational Therapy, Swindon Health Authority, Princess Margaret Hospital, Okus Rd., Swindon, Wiltts SN1 4JU, UK)


Orthotic control of ground reaction forces during running (a preliminary report). Glancy J. Orthot Prosth 1984 Autumn;38(3):12-40. (CONTACT: John Glancy, Orthotics Division, Room 1100, Indiana University Medical Center, 702 Barnhill Drive, Indianapolis, IN 46223, USA)

Orthotic maintenance program for the myodysplastic child. Supan TJ. Clin Prosth Orthot 1984 Fall;8(4):12-14. (CONTACT: Terry J. Supan, Division of Orthopaedics and Rehabilitation, Prosthetic-Orthotic Services, Dept. of Surgery, Southern Illinois University School of Medicine, P.O. Box 39265, Springfield, IL 62708, USA)


Physical properties of cross-linked polyethylene foam (plastazote) under clinical conditions. Minns RJ and Craxford AD. J Biomech 1984;17(10):709-712. (CONTACT: R. J. Minns, Regional Medical Physics Dept., Durham Unit, Dryburn Hospital, Durham, UK)


PUBLICATIONS OF INTEREST


CONTACT: David C. Showers, Orthotics and Prosthetics Lab, Dept. of Physical Medicine and Rehabilitation, Hospital of the University of Pennsylvania, 3400 Spruce St., G-1, Philadelphia, PA 19104, USA

Prosthetics


CONTACT: Daniel T. Barry, University of Michigan Hospital, Box 55, 1405 East Ann St., Ann Arbor, MI 48109, USA


CONTACT: Robert Radocy, Therapeutic Recreation Systems, 1280 28th St., Boulder, CO 80083, USA


CONTACT: Timothy B. Staats, Prosthetics and Orthotics Education Program, Rehabilitation Center, Room 22-56, UCLA School of Medicine, 1000 Veteran Ave., Los Angeles, CA 90024, USA


CONTACT: Gustav Rubin, Special Prosthetic Clinic Team, Veterans Administration, 252 Seventh Ave., New York, NY 10001, USA


CONTACT: Beverly Diurba, Children’s Hospital of Pittsburgh, Amputee and Orthotic Clinic, 125 DeSoto St., Pittsburgh, PA 15213, USA


CONTACT: Carl T. Sumida, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA


CONTACT: Robert D. Young, Lee Orthopedic Appliances, 1210 Madison Ave., Memphis, TN 38104, USA


CONTACT: Joanna G. Paton, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA


CONTACT: Charles H. Dankmeyer, Dankmeyer, Inc., 2010 Madison Ave., Baltimore, MD 21216, USA


CONTACT: Vert Mooney, Division of Orthopedic Surgery, Southwest Medical School, University of Texas, 5323 Harry Hines Blvd., Dallas, TX 75235, USA


CONTACT: Morris D. Kerstein, Dept. of Surgery, Tulane University School of Medicine, 1430 Tulane Ave., New Orleans, LA 70112, USA


CONTACT: Sidney Fishman, Prosthetics and Orthotics, New York University Medical Center, 317 East 34th St., New York, NY 10016, USA


CONTACT: T. R. Scotland, Ontario Crippled Children’s Center, 350 Rumsey Rd., Toronto, Ontario M4G 1R8, Canada


Stochastic analysis of myoelectric temporal signatures for multifunctional single-site activation of prostheses and orthoses.

A study of reaching by a user of a manually-operated artificial hand. Fraser C. Physiother 1984 Oct;70(10):393-394. (CONTACT: C. Fraser, Dept. of Occupational Therapy, Addenbrooke’s Hospital, Hill Rd., Cambridge CB2 2QO, England)


Twenty-five-year longitudinal study of children fitted with below-elbow prostheses before the age of two. Clarke SD. Inter-Clin Info Bull 1984 Autumn;19(3):51. (CONTACT: Susan D. Clarke, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA)


Valgus lower-limb deformity in the juvenile amputee. Kiburz D and Jacobs R. Inter-Clin Info Bull 1984 Autumn;19(3):84. (CONTACT: Douglas Kiburz, University of Kansas School of Medicine, 39th and Rainbow Blvd., Kansas City, KS 64103, USA)


SENSORY AIDS


Speech perception through the skin: design and testing of a single-channel tactile aid to supplement lipreading. Gentile FE, April 20, 1984, 40p, Princeton University, Dept. of Psychology, Princeton, NJ 08544, USA

HEARING IMPAIRED


Auditory deficits in multiple sclerosis: a review. Mustillo P. Audiology 1984;23(2):145-146. (CONTACT: P. Mustillo, Dept. of Psychology, Concordia University, Montreal, Quebec H3G 1M8 Canada)


The deaf child: habilitation with and without a cochlear implant. Ling D and Nienhuys TG. Ann Otol Rhino Laryngol 1983;92(6): 593-593. (CONTACT: D. Ling, School of Human Communication Disorders, McGill University, Montreal, Quebec H3G 1A8, Canada)


Operating ranges and intensity psychophysics for cochlear implants: Implications for speech processing strategies. Pfingst BE. Arch Otalaryngol 1984;110(3):140-144. (CONTACT: B. E. Pfingst, Regional Primate Research Center SJ-50, University of Washington, Seattle, WA 98195, USA)


Relationship between two measures of aided binaural advantage. Cox RM and Bisset JD. J Speech Hear Disord 1984 Nov;49(4):399-406. (CONTACT: Robyn M. Cox, Memphis Speech and Hearing Center, 807 Jefferson Ave., Memphis, TN 38105, USA)


PUBLICATIONS OF INTEREST


(VISUALLY IMPAIRED)


(CONTACT: J. L. Hanley Cohn, 60 Temple St., New Haven, CT 06510, USA)


(CONTACT: J. H. Ten Kate, Applied Physics Dept., Delft University of Technology, Lorentzweg 1, P.O. Box 5046, 2600 GA Delft, The Netherlands)


(CONTACT: David R. Beukelman, Dept. of Electrical Engineering, University of Florida, Gainesville, FL 32611, USA)


(CONTACT: Donald G. Childers, Dept. of Electrical Engineering, University of Washington, Seattle, WA 98105, USA. Price: $22.50)


(CONTACT: David R. Beukelman, Rehabilitation Medicine, Indiana University School of Medicine, 1100 S Pennsylvania St., Indianapolis, IN 46223, USA)


(CONTACT: Michael D. Maves, Dept. of Otolaryngology–Head and Neck Surgery, Indiana University School of Medicine, 1100 West Michigan St., Indianapolis, IN 46223, USA)


VISUALLY IMPAIRED


(CONTACT: Jim Kessler, Handicapped Student Services, University of North Carolina-Chapel Hill, Chapel Hill, NC 27514, USA)


(CONTACT: Gregory L. Goodrich, Western Blind Rehabilitation Center, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)

Blindness in the information age: equality or irony? Scadden LA. J Vis Impair Blind 1984 Nov;78(9):394-400.

(CONTACT: Lawrence A. Scadden, 3122 North Nottingham St., Arlington, VA 22207, USA)


(CONTACT: Edmund Gerhard, Elektromechanische Konstruktion, Univ-GH-Duisburg, Bismarkstrasse 81, D-4100 Duisburg 1, Federal Republic of Germany)


(CONTACT: William De L'Aune, Eastern Blind Rehabilitation Center, Veterans Administration Medical Center, West Spring St., West Haven, CT 06516, USA)


(CONTACT: Jim Kessler, Handicapped Student Services, University of North Carolina-Chapel Hill, Chapel Hill, NC 27514, USA)


(CONTACT: Gregory L. Goodrich, Western Blind Rehabilitation Center, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)

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(CONTACT: Lawrence A. Scadden, 3122 North Nottingham St., Arlington, VA 22207, USA)


(CONTACT: Edmund Gerhard, Elektromechanische Konstruktion, Univ-GH-Duisburg, Bismarkstrasse 81, D-4100 Duisburg 1, Federal Republic of Germany)


(CONTACT: William De L'Aune, Eastern Blind Rehabilitation Center, Veterans Administration Medical Center, West Spring St., West Haven, CT 06516, USA)

Constraints on microcomputer access for visually impaired persons. Young MF. J Vis Impair Blind 1984 Nov;78(9):426-427.

(CONTACT: Michael F. Young, George Peabody College, Vanderbilt University, Nashville, TN 37203, USA)


(CONTACT: Donald D. Kirtley, Dept. of Psychology, California State University, Fresno, CA 93740, USA)


(CONTACT: Jeffrey J. Moyer, Cleveland Society for the Blind, 1909 East 101st St., Cleveland, OH 44106, USA)


(CONTACT: Gregory L. Goodrich, Western Blind Rehabilitation Center/124, Veterans Administration Medical Center, 3801 Miranda Ave., Palo Alto, CA 94304, USA)


(CONTACT: G. Fonda, Low Vision Service, Saint Barnabas Medical Center, Old Short Hills Rd., Livingston, NJ 07039, USA)


(CONTACT: Arlene Dumas, Western Blind Rehabilitation Center/

CONTACT: C. C. Krischer, Institut fur Neurobiologie, Kernforschungsanlage Julich GmbH, D-5170 Julich, West Germany


CONTACT: Elga Joffe, Bi-County Center, Lynbrook Annex, Services for Blind and Visually Impaired Persons, 272 Merrick Rd., Lynbrook, NY 11563, USA


CONTACT: Alan Madras, 460 Abelard, #1D, Verdun, Quebec H3E 1B5, Canada

SPINAL CORD INJURY


CONTACT: Paul C. McAfee, Dept. of Orthopaedics, Johns Hopkins Hospital and Johns Hopkins University School of Medicine, Harvey 608, Baltimore, MD 21205, USA


CONTACT: J. Kiwerski, Rehabilitation Institute, Konstancin, Poland


CONTACT: James M. Houston, Virginia Spinal Cord Injuries System, Woodrow Wilson Rehabilitation Centre, Fishersville, VA, USA


CONTACT: Colette Ray, Dept. of Psychology, Brunel University, Uxbridge, Middlesex UB8 3PH, UK


CONTACT: Newton C. McCollough, III, Dept. of Orthopedics and Rehabilitation, University of Miami School of Medicine, Box 100960, Miami, FL 33101, USA


CONTACT: I. Perkash, Spinal Cord Injury Service, Veterans Administration Medical Center, Palo Alto, CA 94304, USA


CONTACT: R. C. Tervo, University Hospital, Saskatoon, Saskatchewan S7N 0X0, Canada


CONTACT: James W. Little, Rehabilitation Medicine Service/117, Veterans Administration Medical Center, 1660 Columbian Way South, Seattle, WA 98108, USA


Rehabilitation after spinal cord injuries complicated by previous lesions. Ohry A and Frankel HL. Paraplegia 1984 Oct;22(5):291-296. (CONTACT: Abraham Ohry, The Neurological Rehabilitation Dep't., Chaim Sheba Medical Centre, Tel Hashomer 52621, Israel)


Rehabilitation after spinal cord injuries complicated by previous lesions. Ohry A and Frankel HL. Paraplegia 1984 Oct;22(5):291-296. (CONTACT: Abraham Ohry, The Neurological Rehabilitation Dep't., Chaim Sheba Medical Centre, Tel Hashomer 52621, Israel)
(CONTACT: William H. Donovan, Institute for Rehabilitation and Research, 1333 Moursundi Ave., Houston, TX 77030, USA)

(CONTACT: David A. Bundens, Orthopaedic Service, Naval Regional Medical Center, Portsmouth, VA 23708, USA)

Surgery

(CONTACT: M. F. Adinolfi, Dept. of Surgery, Tulane University School of Medicine, New Orleans, LA 70112, USA)

(CONTACT: Anthony J. Dorto, Dept. of Rehabilitation Medicine, Mount Sinai Services, City Hospital Center at Elmhurst, 79-01 Broadway, Elmhurst, NY 11373, USA)

From straps, braces, and buckles to implants and replacements. (CONTACT: A. A. Savastano, Dept. of Orthopaedic Surgery, Rhode Island Hospital, Providence, Rhode Island 02903, USA)

(CONTACT: K. E. McIntyre, Jr., Surgical Service, Veterans Administration Medical Center, Tucson, AZ 85723, USA)

(CONTACT: Dorothy M. Thompson, Social Worker Service, Burton House, Withington Hospital, Neil Lane, Manchester M20 8 LR, UK)

(CONTACT: George A. Snook, 6 Hatfield St., Northampton, MA 01060, USA)

(CONTACT: D. J. Grundy, Midland Spinal Injuries Unit, The Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, Shropshire SY10 7AG, Great Britain)

(CONTACT: R. Rees, Plastic Surgery Service, Veterans Administration Medical Center, South Nashville, TN 37203, USA)

(CONTACT: William P. Cooney, Dept. of Orthopedics, Mayo Clinic, Rochester, MN 55905, USA)

(CONTACT: R. A. Yeager, Section of Vascular Surgery, Dept. of Surgery, University of Medicine and Dentistry of New Jersey, Newark, NJ, USA)

(CONTACT: Richard T. Katz, Dept. of Rehabilitation Medicine, Northwestern University Medical School, 345 East Superior St., Chicago, IL 60611, USA)

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(CONTACT: Rae J. Jacobs, Section of Orthopaedic Surgery, Kansas University Medical Center, 39th and Rainbow Blvd., Kansas City, KS 66103, USA)

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(CONTACT: Alvin A. Freehafer, Director of Orthopaedics, Cleveland Metropolitan General Hospital and Viewpoint Hospital, 3395 Clarendon Rd., Cleveland, OH 44109, USA)

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