

PUBLICATIONS OF INTEREST

Compiled by Beryl M. Benjers, Ph.D.

Departments Editor

This list of references offers *Journal* readers significant information on the availability of recent rehabilitation literature in various scientific, engineering, and clinical fields. The *Journal* provides this service in an effort to fill the need for a comprehensive and interdisciplinary indexing source for rehabilitation literature.

All entries are numbered so that multidisciplinary publications may be cross-referenced. They are indicated as *See also* at the end of categories where applicable. A listing of the periodicals reported on follows the references. In addition to the periodicals covered regularly, other publications will be included when determined to be of special interest to the rehabilitation community. To obtain reprints of a particular article or report, direct your request to the appropriate contact source listed in each citation.

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BIOENGINEERING and BIOMECHANICS

1. Analysis of Intentional Head Gestures to Assist Computer Access by Physically Disabled People. Harwin WS, Jackson RD, *J Biomed Eng* 12(3):193-198, 1990.

Contact: William S. Harwin, Cambridge University Engineering Dept., Trumpington St., Cambridge CB2 1PZ, UK

2. An Approach for Time-Dependent Bone Modeling and Remodeling—Theoretical Development. Beaupre GS, Orr TE, Carter DR, *J Orthop Res* 8(5):651-661, 1990.

Contact: G.S. Beaupre, RR&D (153), VA Medical Center, 3801 Miranda Ave., Palo Alto, CA 94304

3. An Approach for Time-Dependent Bone Modeling and Remodeling—Application: A Preliminary Remodeling Simulation. Beaupre GS, Orr TE, Carter DR, *J Orthop Res* 8(5):662-670, 1990.

Contact: G.S. Beaupre, RR&D (153), VA Medical Center, 3801 Miranda Ave., Palo Alto, CA 94304

4. Axial Rotation Gravity Goniometer: A Simple Design of Instrument and a Controlled Reliability Study.

Laupattarakasem W, *et al.*, *Clin Orthop* 251:271-274, 1990.
Contact: Wiroon Laupattarakasem, MD, Dept. of Orthopaedics, Faculty of Medicine, Khon Kaen University, Khon Kaen 40002, Thailand

- 5. The Biocompatibility of Hydroxyapatite Ceramic: A Study of Retrieved Human Middle Ear Implants.** van Blitterswijk CA, *et al.*, *J Biomed Mater Res* 24(4):433-453, 1990.
Contact: C.A. Blitterswijk, Ear, Nose and Throat Dept., Bldg. 25, Leiden University Hospital, Leiden, Rijnsburgerweg 10, 2333 AA Leiden, The Netherlands
- 6. Biomechanical Analysis of Pin Placement and Pin Size for External Fixation of Distal Radius Fractures.** Seitz WH Jr, *et al.*, *Clin Orthop* 251:207-212, 1990.
Contact: William H. Seitz, Jr., MD, Hand and Upper Extremity Surgery Clinics, Mt. Sinai Medical Center, 1 Mt. Sinai Dr., Cleveland, OH 44106
- 7. A Biomechanical Basis for Rehabilitation Programs Involving the Patellofemoral Joint.** Woodall W, Welsh J, *J Orthop Sports Phys Ther* 11(11):535-542, 1990.
Contact: William Woodall, MEd, Dept. of Physical Therapy, School of Health Related Professions, University of Mississippi Medical Center, Jackson, MS 39216
- 8. Biomechanical Comparison of Two Paraplegic Gait Patterns.** Crosbie WJ, Nicol AC, *Clin Biomech* 5(2):97-107, 1990.
Contact: W.J. Crosbie, PhD, School of Physiotherapy, Cumberland College of Health Sciences, Lidcombe, NSW 2141, Australia
- 9. Biomechanical Measurement of Fracture Healing.** Cunningham JL, Kenwright J, Kershaw CJ, *J Med Eng Technol* 14(3):92-101, 1990.
Contact: J.L. Cunningham, Centre for Biomedical Engineering, School of Engineering and Applied Science, University of Durham, Science Laboratories, South Rd., Durham DH1 3LE, UK
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Contact: Joseph M. Looney, Jr., Omega Medical Corp., 1221 Turner St., Clearwater, FL 34616
- 11. A Comparison of the Accuracy of Several Hip Center Location Prediction Methods.** Bell AL, Pedersen DR, Brand RA, *J Biomech* 23(6):617-621, 1990.
Contact: Richard A. Brand, Biomechanics Laboratory, Dept. of Orthopedic Surgery, University of Iowa College of Medicine, Iowa City, IA 52242
- 12. Design Optimization of a Prosthesis Stem Reinforcing Shell in Total Hip Arthroplasty.** de Beus AM, Hoeltzel DA, Eftekhari NS, *J Biomech Eng* 112(3):347-357, 1990.
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- 13. Dynamic Analysis of a Simplified Bone Model During the Process of Fracture Healing.** Laura PAA, Rossi RE, Maurizi MJ, *J Biomed Eng* 12(2):157-160, 1990.
Contact: M.J. Maurizi, Dept. of Engineering, Universidad Nacional del Sur, 8000-Bahia Blanca, Argentina
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Contact: Samer S. Hasan, Human Performance Laboratory, School of Engineering, Vanderbilt University, Nashville, TN 37232
- 15. Effect of Lumbar Traction on Stature.** Bridger RS, Ossey S, Fourie G, *Spine* 15(6):522-524, 1990.
Contact: R.S. Bridger, Dept. of Biomedical Engineering, University of Cape Town, Observatory 7925, South Africa
- 16. The Evaluation of Cortical Bone Remodeling with a New Ultrasonic Technique.** Zimmerman MC, *et al.*, *IEEE Trans Biomed Eng* 37(5):433-441, 1990.
Contact: Mark C. Zimmerman, Dept. of Orthopaedic Surgery, University of Medicine and Dentistry of New Jersey, Newark, NJ 07103
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Contact: Ensor E. Transfeldt, MD, Twin Cities Scoliosis Spine Center, University of Minnesota, Dept. of Orthopaedic Surgery, 2737 Chicago Ave. S., LL-200, Minneapolis, MN 55407
- 18. The Foot as a Shock Absorber.** Salathe EP Jr, Arangio GA, Salathe EP, *J Biomech* 23(7):655-659, 1990.
Contact: Eric P. Salathe, Jr., Eastern Scientific and Education Foundation, 1230 S. Cedar Crest Blvd., Suite 101, Allentown, PA 18103
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Contact: Vivek Kulkarni, Dept. of Biomedical Physics and

Bioengineering, University of Aberdeen, Forresterhill, Aberdeen AB9 2ZD, Scotland

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Contact: Eva Mattsson, RPT, Dept. of Orthopaedics, Karolinska Hospital, S-10401 Stockholm, Sweden

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Contact: Sean McCarthy, Joint Graduate Group in Bioengineering, University of California, Berkeley, CA 94720

22. The Influence of Bone and Bone Cement Debris on Counterface Roughness in Sliding Wear Tests of Ultra-High Molecular Weight Polyethylene on Stainless Steel. Caravia L, *et al.*, *Proc Instn Mech Engrs—Part H: J Eng Med* 204(H1):65-70, 1990.
Contact: L. Caravia, Dept. of Mechanical Engineering, University of Leeds, Leeds, UK

23. An Interactive Graphics-Based Model of the Lower Extremity to Study Orthopaedic Surgical Procedures. Delp SL, *et al.*, *IEEE Trans Biomed Eng* 37(8):757-767, 1990.
Contact: Scott L. Delp, RR&D (153), VA Medical Center, Palo Alto, CA 94304

24. Isokinetic Evaluation of Quadriceps and Hamstrings Symmetry Following Anterior Cruciate Ligament Reconstruction. Harter RA, Osternig LR, Standifer LW, *Arch Phys Med Rehabil* 71(7):465-468, 1990.
Contact: Rod A. Harter, PhD, Dept. of Human Performance, San Jose State University, San Jose, CA 95192-0054

25. A Model of the Stimulation of a Nerve Fiber by Electromagnetic Induction. Roth BJ, Basser PJ, *IEEE Trans Biomed Eng* 37(6):588-597, 1990.
Contact: Bradley J. Roth, Biomedical Engineering and Instrumentation Branch, Division of Research Services, NIH, Bethesda, MD 20892

26. Multiaxis Cyclic Biomechanical Testing of Harrington, Luque, and Drummond Implants. Nasca RJ, *et al.*, *Spine* 15(1):15-20, 1990.
Contact: Richard J. Nasca, MD, Dept. of Orthopaedic Research, VA Medical Center (4R 14), Birmingham, AL 35233

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Contact: M. Bramanti, Prof., Istituto di Elaborazione dell'Informazione del CNR, Via S. Maria, 46, 56100 Pisa, Italy

28. Normal Functional Range of Motion of Upper Limb Joints During Performance of Three Feeding Activities. Safaee-Rad R, *et al.*, *Arch Phys Med Rehabil* 71(7):505-509, 1990.
Contact: Edward Shwedyk, PhD, Dept. of Electrical Engineering, University of Manitoba, Winnipeg, Manitoba R3T 2N2, Canada

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Contact: Mark C. Zimmerman, UMDNJ-New Jersey Medical School, Section of Orthopaedic Surgery, 185 S. Orange Ave., Newark, NJ 07103

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Contact: J.L. van Leeuwen, Neuroregulation Group, Dept. of Physiology, University of Leiden, Wassenaarseweg 62, PO Box 9604, NL-2300 RC Leiden, The Netherlands

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Contact: Fu-Kuo Chang, Dept. of Aeronautics and Astronautics, Stanford University, Stanford, CA 94305

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Contact: Phillip B. Messersmith, Dept. of Materials Science and Engineering, University of Illinois, 1304 W. Green St., Urbana, IL 61801

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Contact: P.K. Humphreys, MEng, Dept. of Mechanical and Manufacturing Engineering, Queen's University of Belfast, Northern Ireland

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Contact: H.J. Biedermann, PhD, Dept. of Rehabilitation Medicine, Queen's University, Kingston, Ontario K7L 3N6, Canada

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36. Computer Access for the Disabled: Entering the New Decade. Lynch WJ, *J Head Trauma Rehabil* 5(2):87-89, 1990.

Contact: William J. Lynch, PhD, Brain Injury Rehabilitation Unit, VA Medical Center, Palo Alto, CA 94304

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Contact: John G. Williams, PhD, Dept. of Movement Science and Physical Education, University of Liverpool, Liverpool, UK

38. Managing End User Computing for Users with Disabilities. 1989.

Contact: GSA, Clearinghouse on Computer Accommodation, Room 2022, KGDO, 18th and F Sts. NW, Washington, DC 20405

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Contact: Simon P. Levine, PhD, Dept. of PM&R, IC335 University of Michigan Hospitals, Ann Arbor, MI 48109-0032

40. Control of Functional Electrical Stimulation with Extended Physiological Proprioception. Kirtley C, Andrews BJ, *J Biomed Eng* 12(3):183-188, 1990.

Contact: C. Kirtley, Bioengineering Unit, University of Strathclyde, Glasgow G4 0NW, UK

41. A Controlled Trial of Transcutaneous Electrical Nerve Stimulation (TENS) and Exercise for Chronic Low Back Pain. Deyo RA, *et al.*, *N Engl J Med* 322(23):1627-1634, 1990.

Contact: Richard A. Deyo, MD, Health Services R&D (152), Seattle VA Medical Center, 1660 S. Columbian Way, Seattle, WA 98108

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Contact: Dean P. Currier, PhD, University of Kentucky, Division of Physical Therapy, Annex 1, Room 4, Lexington, KY 40536-0079

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Contact: Charles R. Miller, Jr, MS, PT, 32 Rockland Rd., Trenton, NJ 08638

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Contact: Roger K. Cady, MD, Shealy Institute for Comprehensive Health Care, 1328 E. Evergreen, Springfield, MO 65803

45. Experimentally Induced Ischemic Pain and So-Called Diaphase Fix Current. Hamalainen O, Kempainen P, *Scand J Rehabil Med* 22(1):25-27, 1990.

Contact: Olavi Hamalainen, MD, 62375 Yliharma, Finland

46. Functional Neuromuscular Stimulation in 4 Patients with Complete Paraplegia. Hjeltnes N, Lannem A, *Paraplegia* 28(4):235-243, 1990.

Contact: N. Hjeltnes, MD, Specialist in Physical Medicine and Rehabilitation, Sunnaas Hospital, 1450 Nesoddtangen, Norway

47. Increasing Involuntary Torque Production by Using TENS. Underwood FB, et al., *J Orthop Sports Phys Ther* 12(3):101-104, 1990.

Contact: Gary L. Kremser, PT, Physical Therapy Clinic, U.S. Naval Academy Hospital, Annapolis, MD 21402

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Contact: W.F. Agnew, Huntington Medical Research Institutes, 734 Fairmount Ave., Pasadena, CA 91105

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Contact: Mark Hallett, MD, National Institute of Neurological Disorders and Stroke, NIH, Bldg. 10, Room 5N226, Bethesda, MD 20892

50. A Method for Real-Time Processing to Study Recovery Functions of Evoked Potentials. Nakamura M, et al., *IEEE Trans Biomed Eng* 37(7):738-740, 1990.

Contact: Masatoshi Nakamura, Dept. of Electrical Engineering, Saga University, Honjomachi, Saga 840, Japan

51. A Nerve Cuff Technique for Selective Excitation of Peripheral Nerve Trunk Regions. Sweeney JD, Ksienski DA, Mortimer JT, *IEEE Trans Biomed Eng* 37(7):706-715, 1990.

Contact: James D. Sweeney, Dept. of Chemical, Bio and Materials Engineering, Arizona State University, Tempe, AZ 85287

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Contact: Roger J. Green, Dept. of Electrical Engineering, University of Bradford, Bradford, West Yorkshire BD7 1DP, England

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Contact: Douglas B. McCreery, Huntington Medical Research Institutes, 734 Fairmount Ave., Pasadena, CA 91105

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Contact: Pauline M. Mills, MSc, Withington Hospital School of Physiotherapy, Manchester, UK

55. Phrenic Nerve Stimulation in Tetraplegia: A New Regimen to Condition the Diaphragm for Full-Time Respiration. Baer GA, et al., *Scand J Rehabil Med* 22(2):107-111, 1990.

Contact: Gerhard A. Baer, Tampere University Central Hospital, Tampere, Finland

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Contact: Ken W. Altman, Dept. of Biomedical Engineering, Duke University, Durham, NC 27706

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Contact: Robert V. Shannon, House Ear Institute, 256 S. Lake St., Los Angeles, CA 90057

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Contact: J. Mizrahi, Dept. of Biomedical Engineering, Technion, Israel Institute of Technology, Haifa 32000, Israel

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Contact: Judy W. Griffin, PT, Dept. of Rehabilitation Sciences, University of Tennessee, 847 Monroe Ave., Memphis, TN 38163

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Contact: T. Andersson, Dept. of Clinical Neurophysiology, Huddinge University Hospital, S-141 86 Huddinge, Sweden

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Contact: Harry R. Elden, PhD, Xienta Skin Research, Bernville, PA 19506

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Contact: Tadej Bajd, Prof., Faculty of Electrical and Computer Engineering, Edvard Kardelj University, Ljubljana, Yugoslavia

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Contact: David R. Sinacore, PT, 7 Dartmouth Rd., Morgantown, WV 26505

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Contact: Roger H. Nathan, PhD, Mechanical Engineering Dept., Ben-Gurion University of the Negev, PO Box 653, Beer Sheva 84105, Israel

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Contact: Daniel L. Angulo, PT, 15025 Innovation Dr., San Diego, CA 92128

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Contact: J. Monique Bebout, c/o *The Hearing Journal*, 63 Great Rd., Maynard, MA 01754

67. Application of the ICDH in Rehabilitation Medicine. Jiwa-Boerrigter H, van Engelen HGM, Lankhorst GJ, *Int Disabil Stud* 12(1):17-19, 1990.

Contact: Dr. G.J. Lankhorst, Dept. of Rehabilitation Medicine, Jan van Breemen Institute, Center for Rheumatology and Rehabilitation, Dr Jan van Breemenstraat 2, 1056 AB Amsterdam, The Netherlands

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Contact: Shah B. Ebrahim, Dept. of Health Care of the Elderly, The London Hospital, Bancroft Rd., London E1 4DG, UK

69. Chronic Disease and Disability. Hayes R, Stolov WC, Kraft GH, 250 pp, 1990.

Contact: Demos Publications, 156 Fifth Ave., Suite 1018, New York, NY 10160-0556

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Contact: J. Paul Thomas, PhD, Medical Science Programs, NIDRR, Office of Special Education and Rehabilitative Services, Dept. of Education, Washington, DC 20202-2701

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Contact: Nancy Buecker, Electronics Industries Foundation, 1901 Pennsylvania Ave. NW, Suite 700, Washington, DC 20006

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Contact: Derick T. Wade, Rivermead Rehabilitation Centre, Abingdon Rd., Oxford OX1 4XD, UK

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Contact: Information Institute of Rehabilitation, China Rehabilitation Research Centre, No. 59, Majiapu St., PO Box 2619, Beijing 100077, China

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Contact: Dr. Gustaaf J. Lankhorst, c/o Rehabilitation Dept., University Hospital Rotterdam-Dijkzigt, Dr Molewaterplein 40, 3015 GD, Rotterdam, The Netherlands

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Contact: Leona H. Liberty, St. John's University, Grand Central and Utopia Pkwy., Jamaica, NY 11439

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Contact: John H. Bowker, MD, University of Miami Medical School, Coral Gables, FL 33124

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Contact: Robert J. Huler, MD, Orthopaedic Spinal Surgery, Dewar Spine Unit, Toronto General Hospital, Toronto, Ontario, Canada

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Contact: Dr. Helga Roth, Stauffenbergstrasse 3, D-8000 Munchen, Federal Republic of Germany

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Contact: Clarence D. Brown, 1234 Haley Center, Auburn University, Auburn, AL 36849

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Contact: William R. Frey, PhD, College of St. Francis, Joliet, IL 60435

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Contact: Terrence P. Glennon, MD, Baylor College of Medicine, Dept. of Physical Medicine, Smith Tower, 6550 Fannin, Suite 1421, Houston, TX 77030

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Contact: Demos Publications, 156 Fifth Ave., Suite 1018, New York, NY 10160-0556

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Contact: Risto Seppalainen, Rehabilitation International Finnish Committee, Painotalo Miktor, Helsinki, Finland

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Contact: Marcus J. Fuhrer, PhD, Dept. of Rehabilitation, Baylor College of Medicine, 1333 Moursund Ave., Houston, TX 77030

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Contact: David M. Buchner, MD, Kessler Institute for Rehabilitation, Pleasant Valley Way, West Orange, NJ 07052

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Contact: Thomas W. Findley, MD, PhD, Kessler Institute for Rehabilitation, Pleasant Valley Way, West Orange, NJ 07052

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Contact: A. Kovindha, MD, Rehabilitation Medicine Division, Faculty of Medicine, Chiang Mai University, Chiang Mai 50000, Thailand

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Contact: J. William Hollingsworth, MD, Medical Service (111), San Diego VA Medical Center, 3350 La Jolla Village Dr., San Diego, CA 92161

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Contact: James H. Rimmer, PhD, Dept. of Physical Education, Northern Illinois University, DeKalb, IL 60115

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Contact: *Paraplegia News*, 5201 North 19th Ave., Suite 111, Phoenix, AZ 85015

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Contact: *DAV Magazine*, 807 Maine Ave. SW, Washington, DC 20024

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Contact: M. Valls, Dept. of Geriatric Medicine, University of Goteborg, Vasa Hospital, 411 33 Goteborg, Sweden

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Contact: (See journal for individual articles.) *Physical & Occupational Therapy in Geriatrics*, The Haworth Press, Inc., 10 Alice St., Binghamton, NY 13904-1580

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