

**John O. Barr, PT, PhD**  
**Professor**  
**Physical Therapy Department**  
**563/333-6404**  
**[BarrJohnO@sau.edu](mailto:BarrJohnO@sau.edu)**

Education: University of Iowa  
Iowa Geriatric Education Center  
Iowa City, IA  
1989-1990  
Fellow

University of Iowa  
Iowa City, IA  
1980-1989  
Exercise Science, Physical Education, PhD

University of Iowa  
Iowa City, IA  
1976-1980  
Physical Therapy, MA

SUNY Upstate Medical Center  
Syracuse, NY  
1971-1973  
Physical Therapy, BS

Syracuse University  
Syracuse, NY  
1969-1971

Licensure Information/Registration Number:

Iowa #0708  
Wisconsin #1357-inactive  
New York #3722-inactive

Certifications: None

## Employment and Positions Held:

Professor, Physical Therapy Department, St. Ambrose University, Davenport, IA, 01/02 to present, (Sabbatical, 1/1/02-4/31/02)

Professor and Director, Physical Therapy Department, St. Ambrose University, Davenport, IA, 07/96-12/01 (Tenured, 1996)

Associate Professor and Director, Physical Therapy Department, St. Ambrose University, Davenport, IA, 01/92-06/96

Research Health Science Specialist, Veterans Administration Medical Center, Iowa City, IA, 10/90-12/91

Physical Therapist, Geriatric Evaluation Unit, Veterans Administration Medical Center, Iowa City, IA, 04/87-10/90

Lecturer, Physical Therapy Education, University of Iowa, Iowa City, IA, 07/84-12/91

Part-time Staff Physical Therapist, Neuromuscular Division, Physical Therapy Department, University of Iowa Hospitals & Clinics, Iowa City, IA, 09/83-05/84

Associate, Physical Therapy Education, University of Iowa, Iowa City, IA, 08/80-06/84

Research Assistant, Physical Therapy Education, University of Iowa, Iowa City, IA, 10/77-08/80

Teaching Assistant, Physical Therapy Education, University of Iowa, Iowa City, IA, 07/77-10/77

Staff Physical Therapist, University of Iowa Hospitals and Clinics, Iowa City, IA, 06/77-07/77

Teaching Assistant, Physical Therapy Education, University of Iowa, Iowa City, IA, 08/76-05/77

Staff Physical Therapist, University of Wisconsin Hospitals and Clinics, Madison, WI, 07/73-07/76

## Peer Reviewed Publications:

Kauffman TL, Barr JO, Moran ML (eds). *Geriatric Rehabilitation Manual* (2<sup>nd</sup> ed), Churchill Livingstone / Elsevier, Edinburgh, 2007

Barr JO. Conservative interventions for pain control. In: Kauffman TL, Barr JO, Moran ML (eds). *Geriatric Rehabilitation Manual* (2<sup>nd</sup> ed), Churchill Livingstone / Elsevier, Edinburgh, 2007

Barr JO. Evaluation of pain in older individuals. In: Kauffman TL, Barr JO, Moran ML (eds). *Geriatric Rehabilitation Manual* (2<sup>nd</sup> ed), Churchill Livingstone / Elsevier, Edinburgh, 2007

Barr JO, Kauffman TL, Thompson LV. Iatrogenesis in older individuals. In: Kauffman TL, Barr JO, Moran ML (eds). *Geriatric Rehabilitation Manual* (2<sup>nd</sup> ed), Churchill Livingstone / Elsevier, Edinburgh, 2007

Barr JO, Weissenbuehler SA, Cleary CK. Effectiveness and comfort of transcutaneous electrical nerve stimulation for older persons with chronic pain. *J Geriatr Phys Ther.*, 2004; 27(3):93-99

Rakel B, Barr JO. Physical Modalities in Chronic Pain Management. *Nursing Clinics of North America*, 2003; 38(3):477-494

Brown M, Kern F, Barr JO: How do we look? Aging within the physical therapy Community, with an emphasis on changes in ambulation. *Journal of Geriatric Physical Therapy*, 2003; 26(2):17-25

Domholdt E, Stewart JC, Barr JO, Melzer B: Entry level Doctoral Degrees in Physical Therapy: Status as of Spring 2000. *Journal of Physical Therapy Education*, 2002; 16(1): 60-68

Wong RA, Barr JO, Farina N, Lusardi M: Evidence Based Practice: A Resource for Physical Therapists. *Issues on Aging*, 2000; 23(3):19-26

Barr JO: Conservative Pain Management for the Older Patient. In: Guccione AA (ed) *Geriatric Physical Therapy: Principles & Practice* (2<sup>nd</sup> ed), Mosby-Year Book, Chicago, IL, 2000

Barr JO: Transcutaneous Electrical Nerve Stimulation for Pain Management. In: Nelson RM, Hayes KW, Currier DP (eds) *Clinical Electrotherapy* (3<sup>rd</sup> ed), Appleton-Century-Crofts, East Norwalk, CT, 1999

Gerleman DG, Barr JO: Instrumentation and Product Safety. In: Nelson RM, Hayes KW, Currier DP (eds) *Clinical Electrotherapy* (3<sup>rd</sup> ed), Appleton-Century-Crofts, East Norwalk, CT, 1999

Barr JO: Pain Management of the Older Patient. In: Guccione AA (ed) *Geriatric*

*Physical Therapy: Principles & Practice*, Mosby-Year Book, Chicago, IL, 1993

Bork BE, Barr JO, Wadsworth CT: Teaching Practicum: Course Designed to Improve Teaching Skills of Physical Therapy Students. *Journal of Physical Therapy Education*, 1991; 5(2):820-821

Barr JO: (Letter to the editor) TENS for Chronic Low Back Pain, *New England Journal of Medicine*, 1990; 323(20):1423-1424

Barr JO, Nielsen DH, Soderberg GL: Investigation of Transcutaneous Electrical Nerve Stimulation Parameters for Altering Pain Perception. *Physical Therapy*, 1986; 66:1515-1521

Barr JO: (Invited commentary on) A Comparison of Isometric Exercise and High Voltage Galvanic Stimulation on Quadriceps Femoris Strength, *Physical Therapy*, 1985; 65(5):609-611

Soderberg G, Barr JO: Muscular Function in Chronic Low Back Dysfunction. *Spine*, 1983; 8(1):79-85

Published Abstracts of Peer Reviewed Presentations:

Barr JO, Gillette JH, Hoffman H, Treiber K, Schultes S, Thomson E: Stress Perceived by entry-level Master of Physical Therapy Students. *Physical Therapy*, 1999; 79(5):S10

Kern F, Brown M, Barr J, Greenwald N: Patterns of Aging in the Physical Therapy Community. *Physical Therapy*, 1994; 74(5):S22

Goode J, Barr JO: Comparison of Two Methods of Pain Assessment by the Elderly: Pain Estimate vs. Visual Analogue Scale. *Physical Therapy*, 1993; 73(6): S77

Kern F, Brown M, Barr, JO, Greenwald, N: Impact of Aging on Older Physical Therapists. *Issues on Aging*, 1993; 16(2):23

Maurer CL, Miller RS, Peterson BR, Welper LM, Barr JO, Miller BA: The Effectiveness of Micro electrical Neural Stimulation (MENS) on Exercise-Induced Muscle Trauma. *Physical Therapy*, 1992; 72(6):S74

Barr JO, Coppoletti SM, Fisher DS, Wenger CJ, Gilmer JS: Perceived Facilitators and Barriers to Careers in Physical Therapy. *Physical Therapy*, 1991; 71(6):576

Barr JO, Forrest SE, Potratz PE, Reed VL: Effectiveness of Transcutaneous Electrical Nerve Stimulation (TENS) in the Elderly with Chronic Pain. *Physical Therapy*, 1989; 65(5):165

Barr JO, Weissenbuehler SA, Bandstra EJ, Koppes CA: Effectiveness and Comfort Level of Transcutaneous Electrical Nerve Stimulation (TENS) in Elderly with Chronic Pain. *Physical Therapy*, 1987; 67(5):775

Barr JO, Nielsen DH, Cook TM, Jacobsen JJ, Swanson DA, Orwoll SC, Mescher LM, Brennecke KK: Acute Neuromuscular Responses to Isometric Training of the Biceps Brachii. *Physical Therapy*, 1987; 67(5):757-758

Schwarcz AE, Barr JO: Effect of TENS and Therapeutic Exercise on Rehabilitation of Acute Ankle Sprains. *Physical Therapy*, 1986; 66(5):802

Barr JO, Bork BE, Soderberg GL: Physical Therapy As Your Future? A Career Workshop. *Physical Therapy*, 1985; 65(5):678

Aikman HD, Majerus JJ, Van Wart KW, Barr JO, Cook TM: Effect of Sit-ups vs. Electrical Stimulation on Strength and Endurance of Abdominal Muscles: A Controlled Study. *Physical Therapy*, 1985; 65(5):696

Iehl CR, Danielson DA, Hoegh JE, Barr JO, Cook TM: Training Effects of Functional Electrical Stimulation on Abdominal Muscles. *Physical Therapy*, 1984; 64(5):751

Richardson DL, Schawl DL, Hoenig CL, Barr JO: Effects of Voluntary and Electrically Stimulated Exercise on Knee Torque. *Physical Therapy*, 1982; 62(5):660-661

Barr JO: The Effect of Transcutaneous Electrical Nerve Stimulation Parameters on Experimentally Induced Acute Pain. *Physical Therapy*, 1981; 61(4):582

Barr JO, Soderberg GL, Nielsen DH: The Effectiveness of Transcutaneous Electrical Nerv Stimulation (TENS) Waveform and Frequency in Attenuating Experimental Pain. *Physical Therapy*, 1981;61(5):734

Soderberg GL, Barr JO: Trunk EMG in Posture and Function: Back Pain Versus Normals. *Physical Therapy*, 1980; 60(5):573

Barr JO, Soderberg, GL: Erector Spinae Electromyography During Posture. *Physical Therapy*, 1979;59\_(5):580

#### Peer Reviewed Scientific and Professional Presentations:

Barr JO, Ferguson J, Hird K, Koch M, Vaughan J. Instructional style influences pain perception during TENS. Platform presentation. 15<sup>th</sup> International WCPT Congress, Vancouver, BC, Canada, 06/2007

Ferguson J, Hird K, Koch M, Vaughan J, Barr JO. Influence of instructional style on pain perception during treatment with TENS. Platform presentation, Combined Sections Meeting, APTA, 02/2005

Ferguson J, Hird K, Koch M, Vaughan J, Barr JO. The effects of instructional style on pain perception during treatment with TENS. Poster presentation, Fall Conference, IPTA 10/2004

Bajema J, Kelley K, Krasowski K, Schultz T, Barr JO. Effectiveness of transcutaneous electrical nerve stimulation (TENS) for conservative management of knee osteoarthritis in older individuals. Poster presentation, Fall Conference, IPTA, 10/2004

Barr, JO: The Placebo Effect in Physical Therapy. Special interest poster presentation, Combined Sections Meeting, APTA, 02/2003

Barr, JO: Selecting Articles for the Hooked on Evidence Data Base: TENS for Pain Management. Invited platform presentation followed by panel discussion, Combined Sections Meeting, APTA, 02/2003

Humphries H, Hute K, DeGroote C, Heinz C, Barr JO, Riley N: Effects of a Short Term Home-Based Gait Training Program on Individuals with Chronic Hemiplegia: A Pilot Study. Poster presentation, Spring Conference, IPTA, 03/2001

Domholdt E, Stewart J, Barr JO, Melzer B: Professional Doctoral Degrees in Physical Therapy. Poster presentation, Spring Conference, IPTA, 03/2001

Domholdt E, Barr JO, Melzer B: Entry-Level Doctoral Programs in Physical Therapy: Status as of Spring 2000. Platform presentation, Combined Sections Meeting, APTA, 02/2001

Barr JO, Domholdt E, Melzer B: DPT Forum, Combined Sections Meeting, APTA, 02/2001

Domholdt E, Barr JO, Melzer: Entry-Level Doctoral Programs in Physical Therapy: Status as of Spring 2000. Platform presentation, Academic Administrators Special Interest Group Annual Meeting, Education Section-APTA, 10/2000

Kern F, Brown M, Barr JO, Greenwald N: Impact of Aging on Older Physical Therapists. Poster presentation, Combined Sections Meeting, APTA, 02/1993

Barr JO, Nielsen DH, Soderberg GL: Evaluation of an Interpolated Response Technique Used to Assess Strength Training. Poster presentation, Research Retreat, Section on Research, APTA, 08/1991

Barr JO, Nielsen DH, Soderberg GL: Neural vs. Muscular Responses to Isometric

Strength Training of the Triceps Brachii. Platform presentation, Annual Conference, APTA, 06/1990

Barr, JO: TENS for Pain Control in the Elderly. Invited speaker, Combined Sections Meeting, APTA, 02/1990

Barr JO, Bork BE, Soderberg GL: Physical Therapy as Your Future? A Career Workshop. Poster presentation, Annual Conference, APTA, 06/1985

Abstracts (that were not presented):

Non-Peer Reviewed Publication:

Barr JO: Conservative Pain Management. In: Swisher A (ed) *Topics in Geriatrics: A Home Study Series, Section in Geriatrics/APTA*, Alexandria, VA, 1999

Non-Peer Reviewed Presentations:

Speaker, Physical Therapy as A Career, Summer Health Careers Adventure Camp, St. Ambrose University, Davenport, IA, 06/24/08

Co-presenter, Beyond the Rocking Chair: Strength Training for Optimal Function in Older Adults, APTA National Student Conclave, Valley Forge, PA, 10/26/07

Speaker, Maximizing Physical Therapy Services for Older Persons, APTA National Student Conclave, Dallas, TX, 10/27/06

Speaker, Preparing for the Aging Boomers, Physical Therapy Open House Ambrose Advantage, St. Ambrose University, Davenport, IA, 09/09/06

Speaker, Conservative Pain Management for the Older Patient, Genesis Rehabilitation Services, Old Sturbridge Village, MA, 10/29/02

Speaker, MPT Program at St. Ambrose University; Qualities We Seek in Applicants, Physical Therapy As Your Future: From Application to Practice, University of Iowa, Iowa City, IA, 04/15/00

Speaker, MPT Program at St. Ambrose University, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, Iowa City, IA, 11/07/98

Speaker, MPT Program at St. Ambrose University, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, Iowa City, IA, 11/08/97

Speaker, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, Iowa City, IA, 11/02/96

Speaker, Physical Therapy as Your Future: From Application to Practice, The University of Iowa, Iowa City, IA, 10/28/95

Speaker, Effective Teaching, Physical Therapy Department, Genesis Medical Center, Davenport, IA, 12/14/94

Speaker, Physical Therapy as Your Future: From Application to Practice, MPT Program at St. Ambrose University, The University of Iowa. Iowa City, IA, 11/05/94

Facilitator, Panel on Human Performance, Foundation for Physical Therapy, Project Focus '94: Physical Therapy Treatment Effectiveness for Older Persons, Alexandria, VA, 09/28-30/94

Speaker, SE District, IPTA, Impact of Aging on US Physical Therapists, Davenport, IA, 09/22/94

Speaker, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, MPT Program at St. Ambrose University, 11/13/93

Speaker, Physical Therapy Careers, Trinity Medical Center West, Rock Island, IL, The Physical Therapy Program at St. Ambrose University, 11/18/92

Speaker, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, The Physical Therapy Program at St. Ambrose University, 11/07/92

Speaker, Overview of MPT program at St. Ambrose University, Western District, Illinois Chapter-APTA, Rock Island, IL, 05/02/92

Speaker, Conservative Pain Management for the Elderly, Veterans Administration Medical Center, Knoxville, IA, 09/27/91

Panelist, Stroke Rehabilitation: Health Care Options for Elderly Patients, The University of Iowa, Iowa City, IA, 02/13/91

Speaker, Family Practice Nursing Staff, The University of Iowa, Back Pain in the Work Place, 12/19/90

Speaker, Gerontology Student Organization, The University of Iowa, Geriatrics - A Physical Therapist's Perspective, 11/06/90

Speaker, Physical Therapy as Your Future: From Application to Practice, The University

of Iowa, The Nature and Scope of Physical Therapy Practice, 11/03/90

Moderator, Professional Issues Panel, Iowa Physical Therapy Foundation, Licensure of Physical Therapist Assistants, Des Moines, IA, 10/19/90

Speaker, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, The Nature and Scope of Physical Therapy Practice, 11/11/89

Coordinator and Moderator, IPTA, Implementing Direct Access, Des Moines, IA, 10/28-29/89

Faculty facilitator, Midwest Student Conclave, Lake Beulah, WI, 09/15-17/89

Speaker, Hawkeye Sports Medicine Symposium, The University of Iowa, The Use of Therapeutic Physical Agents for Pain Management, 05/11/89

Moderator, Professional Issues Panel, IPTA, Ethics in Practice, Des Moines, IA, 04/20/89

Speaker, Family Physician Refresher Course, The University of Iowa, Physical Therapy for Pain Management, 03/09/89

Speaker, Physical Therapy As Your Future: From Application to Practice, The University of Iowa, The Nature and Scope of Physical Therapy Practice, 11/19/88

Speaker, Fall Conference, IPTA Critical Assessment of Contemporary Electrotherapy, Cedar Rapids, IA, 10/21/88

Speaker, Veterans Administration Medical Center, Pain Management: Focusing on TENS, Iowa City, IA, 01/12/88

Faculty Facilitator, Midwest Student Conclave, Lake Beulah, WI, 09/05-06/86

Speaker, University of Iowa, Current Professional Issues in Physical Therapy, 04/03/86

Faculty Facilitator, Midwest Student Conclave, Lake Beulah, WI, 09/06-07/85

Speaker, University of Iowa, Critical Assessment of Clinical TENS and FES, 04/12-13/85

Speaker, University of Iowa, Refresher Course for the Family Physician, Physical Therapy in Iowa: Keeping Pace With the 1980's, 03/08/85

Moderator, Hawkeye Sports Medicine Symposium, University of Iowa, Pain Control Cases, 12/06/84

Speaker, University of Iowa, Effects of TENS Parameters on Pain, 10/08/81

Speaker, University of Iowa, Methods of Pain Evaluation, 04/15/81

Speaker, University of Iowa, An interdisciplinary Conference for Health Professionals on the Patient with Pain, The Use of Physical Therapy in Managing Pain, Iowa City, IA, 10/08/78

Speaker, Wisconsin Chapter APTA Annual Meeting, Physical Therapy Treatment of the Burn Patient, Wisconsin Dells, WI, 04/24/74

Speaker, Wisconsin Tele-network, The Role of the Physical Therapist in Burn Management, Madison, WI, 04/12/74

Speaker, University of Wisconsin Hospital's Nursing seminars, Physical Therapy, Management of the Burn Patient, Madison, WI, 12/10/73 (updated presentations, 2/5/75 and 3/15/76)

Funded/In Review Grant Activity:

Bozik DS, Barr JO (Planning Committee; Advisory Board), Master of Orthotic Science: A New Approach Health, Resources and Services Administration (\$388,000, funded), 2000-2001

Barr JO, Presentation Software for Professional Seminar Course, Title III Course Development Grant (\$1500, funded), 1997

Cassady SL, Barr JO, Farrell KP, Gillette J, Lampe KL, Levensen KF, Hartung S, Equipment for Technology in the Classroom, Title III Course Development Grant (\$7000, funded), 1997

Bozik DS, Harris L, Barr JO, Program development grant, Great Quad City Hospital Council.(\$281,550, funded externally), 1992-1996

Barr JO, Goode J, Comparison of two methods of pain assessment in healthy elderly subjects: Pain estimate vs. visual analog scale. (Sub-study of Merit Review grant.), 1991-1993

Barr JO, Leo KC, Barr RN, Merit Review Grant (\$97,000, funded), Veterans Administration, 1990-1991

Barr JO, Wadsworth CT, Video Production Fund Grant (\$5000, funded), University of Iowa, 1989

Cook TC, Barr JO, Continuing education coordinator, University of Iowa, W.K. Kellogg Foundation Grant (10% FTE, funded), 1986-1989

Soderberg GL, Barr JO, Electromyographic assessment of trunk posture and function in healthy individuals and patients with chronic low back dysfunction. Graduate research assistantship. University of Iowa, NIHRR Engineering Center Grant (50% FTE, funded), 1977-1980

#### Other Scholarly Products:

Speaker, Conservative Pain Management for the Older Patient, Webcast Co-sponsored by The Section on Geriatrics and the APTA; available on CD-ROM, 04/2002

#### Research Activity:

Defenbaugh B, Diekow L, O'Donnell A, Nowicki A, Barr JO: Is the McKenzie method effective in decreasing acute non-specific LBP? (Annotated bibliography; internal funding), 2007-2008

Herrmann DB, Barr JO. Does Negative Pressure Wound Therapy Heal Diabetic Lower Leg and Foot Wounds in the Adult Better than Standard Wound Care (Annotated bibliography; internal), 2005-2008

Coats L, Barr JO: The Effectiveness of Monochromatic Infrared Energy (MIRE) for Improving Foot Sensation in Adult Patients with Peripheral Neuropathy. (Annotated bibliography; internal), 2006-2007

Ibrahim A, Queen B, Yotty B, Barr JO: Is A Neuromuscular Training Program Effective In Preventing Anterior Cruciate Ligament Injuries In High School And College-Aged Female Athletes (Annotated bibliography; internal), 2006-2007

Schuberth LJ, Barr JO: Low Level Laser Therapy and Chronic Venour Ulcers. (Annotated bibliography; internal), 2006-2007

Shelly ER: Methods used by Physical Therapists to Learn Pelvic Floor Muscle Examination. (Faculty advisor/sponsor; Survey investigation; internal), 2006-2007

Hooker G, Barr JO: Does Adaptive Seating for Children with Cerebral Palsy Result in Improved Function in the School Setting? (Annotated bibliography; internal), 2005-2007

Olubunmi OA, Barr JO: The Effect of Resistance Exercise on bone mineral density in Postmenopausal Women with Osteoporosis (Annotated bibliography; internal), 2005-

2007

Grabinski W, Miglio J, Muntz K, Barr JO: Effects of Resistance Training on Bone Mineral Density in Postmenopausal Women (Annotated bibliography; internal), 2005-2006

Ropp C, Barr JO: Potential for Continued Progress Toward Functional Independence in Mobility Skills for a Subject With Chronic Traumatic Brain Injury (Case report; internal), 2005-2006

Pieper W, Roper B, Kennedy V, Barr JO: Effects of Post-stroke Depression and Pharmacologic Intervention on Functional Recovery (Annotated bibliography; internal), 2004-2005

Hammill J, Barr JO: New Methods to Measure Hip Extensor Strength: Case Study with an Older Individual (Case report; internal), 2004-2005

Lotts C, Barr JO: Implementing evidence based practice in an outpatient physical therapy clinic. Internal funding, 2004-2005

Ferguson J, Hird K, Koch M, Vaughan J, Barr JO: The Effects of Instructional Style on Pain Perception during Treatment with TENS. Internal funding, 2003-2007

Bajema J, Kelley K, Krasowski K, Schultz T, Barr JO: Effectiveness of TENS for conservative management of knee osteoarthritis in older persons. Internal funding, 2003-2007

Barr JO: Pain management for older persons: pain assessment and interventions (i.e. TENS); Placebo effect in Physical Therapy, Internal funding, 2002-2003

Domholdt E, Barr JO, Melzer B: Entry-Level Doctoral Education in Physical Therapy. Funding through the Education Section, APTA, 1999-2002

Fandel A, Harmelink T, Horner-VanVoorhis J, Thoeming C, Barr JO: The Public's Perception of Physical Therapy. Internal funding, 1999

Kurtz J, Youngquist A, Barr JO: The Effect of Instructional Style on Subject Impression About Effectiveness of Transcutaneous Electrical Nerve Stimulation in Treating Recalled Pain: A Pilot Study. Internal funding, 1998

Hilbert A, Johnson K, Barr JO: Public's Perception of Physical Therapy. Internal funding, 1998

Barr JO, Gillette JH, Hoffman H, Treiber K, Schultes S, Thomson E: Stress Perceived by Entry-level Master of Physical Therapy Students. Internal funding and SAU Graduate Student Government Assn., 1997

Anderson S, Angelos K, Barr JO, Lampe K: Safety and Effectiveness of TENS as an Analgesic During Labor and Delivery. Internal funding, 1996

Kern F, Brown M, Barr, JO, and Greenwald N: Impact of Aging on Older Physical Therapist Funding through the Section on Geriatrics, APTA, 1992-1994

Evitts J, Ashby S, Graham A, Tigges C, Barr JO, Kukulka CG: Use of Neuromuscular Electrical Stimulation (NMES) in preventing acute effects of immobilization. Grant: NASA Space Grant Fellowship, 1991-1992

Barr JO, Leo CK, and Barr RN: Transcutaneous electrical nerve stimulation for control of post-operative pain in the elderly. Grant: Veterans Administration, 1990-1991

Maurer CL, Miller RS, Peterson BR, Welper LM, Barr JO, Miller BA: Effectiveness of micro electrical neural stimulation (MENS) on exercise-induced muscle trauma. Internal funding, 1990-1991

Barr JO, Coppoletti SM, Fisher DS, Wenger CJ, and Gilmer JS: Perceived facilitators and barriers to careers in physical therapy. Internal funding, 1989-1990

Barr JO, Nielsen DH, Soderberg GL, and Cook TM: Neural vs. muscular responses to isometric strength training of the triceps brachii (Doctoral Dissertation). Internal funding, 1987-1990

Barr JO, Forrest SE, Potratz PE, Reed VL: Effectiveness of two modes of transcutaneous electrical nerve stimulation (TENS) for elderly with chronic pain. Internal funding, 1987-1988

Barr JO, Weissenbuehler SA; Bandstra EJ, and Koppes CA: Effectiveness and comfort level of transcutaneous electrical nerve stimulation (TENS) in elderly with chronic pain. Internal funding, 1985-1986

Barr JO, Nielsen DH, Cook TM, Jacobsen JJ, Swanson DA, Orwoll SC, Mescher LM, Brennecke KK: Acute neuromuscular responses to isometric training of the biceps brachii. Internal funding, 1985-1986

Schwarcz AE, Barr JO: Effect of TENS and therapeutic exercise on rehabilitation of acute second-degree ankle sprains. Internal funding, 1984-1985

Aikman HD, Majerus JJ, Van Wart KW, Barr JO, Cook TC: Effect of sit-ups vs. electrical stimulation on strength and endurance of the abdominal muscles. Internal funding, 1983-1984

lehl CR, Danielson DA, Hoegh JE, Barr JO, Cook TM: Use of functional electrical

stimulation for training of the abdominal muscles. Internal funding, 1982-1983

Richardson DL, Schawl DL, Hoenig CL, Barr JO: Effects of voluntary and electrically stimulated isometric exercise on knee torque. Internal funding, 1980-1981

Barr JO, Soderberg GL, Nielsen DH, Effect of transcutaneous electrical nerve stimulation parameters on experimentally induced pain. (Masters thesis) Internal funding, 1978-1980

### Continuing Education Workshops Organized:

#### St. Ambrose University

- Mulligan Concept: Lower Quarter Spinal & Peripheral Manual Therapy, Richard Crowell, PT, MS, GDMT, MCTA, FAAOMPT, 1/11-12/09
- Mulligan Concept: An Introductory Course – Mobilizations with Movement, Richard Crowell, PT, MS, GDMT, MCTA, FAAOMPT, 1/9-10/09
- Evidence-based Examination & Selected Interventions for Patients with Lumbo-pelvic Spine & Hip Disorders, Richard S. Wainner, PT, PhD, OCS, ECS, FAAOMPT, 8/15-16/08
- Pharmacology in Rehabilitation, Charles D. Ciccone, PT, PhD, 8/11-12/08
- Mulligan Concept: An Introductory Course – Mobilizations with Movement, Richard Crowell, PT, MS, GDMT, MCTA, FAAOMPT, 1/12-13/08
- Evidence-based Examination & Selected Interventions for Patients with Cervical Spine Disorders, Richard S. Wainner, PT, PhD, OCS, ECS, FAAOMPT, 8/17-18-07
- Peripheral Manipulation, Jim Meadows, BScPT, FCAMT, 1/12-14/07
- Stability Integration: The Science & Art of Treating Instability of the Lumbo-Pelvic Region, John Tomberlin, PT, MPhySt(Manip), OCS, CSCS, FAAOMPT, 8/18-20/06
- Pharmacology in Rehabilitation, Charles D. Ciccone, PT, PhD, 8/14-15/06
- Advance Intervention for the Spine: An Eclectic Approach:, David Johnson, PT, PhD, FAAOMPT, 1/13-15/06

### Membership in Scientific/Professional Organizations:

- President, Section on Geriatrics, APTA, 2006 to present
- Member, IPTA Taskforce responding to Iowa Board of Medical Examiners hearings on EMG, LASER, radiofrequency and light modalities, 2005 to present
- Member, Board of Directors, Section on Geriatrics, 2004 to present
- Member, Section on Education, APTA, 1992 to present

- Member: Geriatrics, Research & Clinical Electrophysiology Sections of the APTA, 1980 to present
- Member, Iowa Physical Therapy Association IPTA, 1976 to present
- Member, American Physical Therapy Association (APTA), 1971 to present
- Chair, Distance Education Committee, Section on Geriatrics, 1998-2006
- Delegate, House of Delegates, APTA, 2002-2005
- Member, Review Committee, Hooked on Evidence, Section on Clinical Electrophysiology, 2002-2003
- Chair, Entry-level Doctorate Task Force, Section on Education, 1999-2001
- Vice-President, Section on Geriatrics, 1999-2000
- Member, Taskforce on Chiropractic, IPTA, 1999
- Co-chair, Search Committee, Home Study Course Editor, Section on Geriatrics, 1996-1999
- Member, Board of Directors, Section on Geriatrics, 1995-1998
- Co-chair, Review Committee, Distance Education Program Proposal/Director, Section on Geriatrics, 1996-1997
- Co-chairman, Student Conclave Committee, IPTA, 1992-1997
- Member, Manpower Taskforce, IPTA, 1994-1995
- Chairman, Research Committee, Section on Geriatrics, 1990-1995
- Member, Public Information Committee, Research Section, 1991-1994
- Member, Retreat Committee, Research Section, 1990-1994
- Chairman, Planned Giving Task force, Section on Geriatrics, 1992-1993
- Chairman, Research Award Task force, Section on Geriatrics, 1992-1993
- President, Iowa Physical Therapy Foundation, 1986-1993
- Chairman, Student Conclave Committee, IPTA, 1991-1992
- Member, Program Committee, IPTA, 1990
- Delegate, House of Delegates, APTA, 1989
- Member, Direct Access Task Force, IPTA, 1988-1989
- Member, Bylaws Task Force, IPTA, 1988
- Past-President, IPTA, 1986-1987
- Delegate, House of Delegates, APTA, 1984-1987
- Member, Executive Committee, IPTA 1981-1987
- Chairman, Chapter Presidents' Steering Committee, APTA, 1985-1986
- President, IPTA, 1984-1986
- Chairman, SE District, IPTA, 1981-1984
- Chairman, IPTA, Awards Committee, 1982-1983
- Coordinator, IPTA Annual & Fall Meetings, 1981
- Delegate, House of Delegates, APTA, 1979-1980
- Coordinator, IPTA Annual & Fall Meetings, 1979
- SE District, IPTA Program Committee, 1977-1979
- Chairman, Educational Program Committee, 1976
- Chairman, Annual Meeting, 1976
- Professional Patient Care Unit (PPCU; State of Wisconsin Health Care

Professionals' Union); Shop Steward; Member, Contract Bargaining Team, 1973-1976

- Vice-President, PPCU, 1976
- Member, Wisconsin Physical Therapy Association (WPTA), 1973-1976
- Chairman, Quarterly Meeting, WPTA, 1975

#### Consultative and Advisory Positions Held:

- Co-editor, 2<sup>nd</sup> ed., *Geriatric Rehabilitation Manual*, Elsevier Scientific, 2004-2007
- Editorial Board, *Journal of Geriatric Physical Therapy*, Section on Geriatrics, APTA, 2001 to present
- Member, Core Planning Committee, Evidence-Based Geriatric PT Conference, 3/23-24/01, Marymount University, Alexandria, VA, 2000-2001
- Associate Editor, *Geriatric Rehabilitation Manual*, Churchill Livingstone, 1999, 1995-2001
- Editorial Board, *Issues on Aging*, Section on Geriatrics, APTA, 1993-2001
- Editorial Board, *Journal of Clinical Electrophysiology*, Section on Clinical Electrophysiology, APTA, 1991-1999
- Content consultant, *Ageworks: An Interactive Multimedia Education Program in Aging*, University of Southern California, 1996-1998
- Advisory Committee, Physical Therapist Assistant Program, Kirkwood Community College, Cedar Rapids, IA, 1994-1995
- Manuscript reviewer, *Physical Therapy*, APTA, 1982-1992
- Physical Therapist, Orthopedic Field Clinics, Iowa Child Health Specialty Clinics, University of Iowa, 1982-1991
- Manuscript reviewer, *Direct Access to Physical Therapy Services: An Educational Module*, APTA, 1990
- Item writer, Professional Examination Service, 1986
- Editorial consultant, *Thermal Agents in Rehabilitation*, F.A. Davis Co. 1986, 1984
- Physical Therapist, Oakdale Hospital, University of Iowa, Coralville, IA, 1980-1982

#### Community Service:

- Member, Planning Committee, Iowa Wheels for the World / Joni & Friends, 2004 to present
- Member, First Presbyterian Church (FPC), Iowa City, IA 1983 to present
- Volunteer, American Red Cross, Flood Victim Shelter, Coralville / Iowa City, IA, 6/08
- Member, FPC Columbarium Planning Committee, 2002-2007
- Volunteer, Fun Fitness, 2006 Special Olympics USA National Games, Ames, IA, 2006

- Volunteer, Iowa City Jazz Fest, 2005-2006
- Chairman, FPC Pledge Campaign, Stewardship Council, 2002-2006
- Participant, CROP Walk, 2002-2004
- Chair, FPC Men's Workgroup, Camp Wyoming, 2003
- Member, FPC Stewardship Council, 1999-2002
- Member, FPC Associate Pastor Taskforce, 2000-2001
- Member, FPC Personnel Committee, 1992-1993
- Chairman, FPC Growth Council, 1991-1992
- Elder (active), FPC, 1989-1992
- Chairman, FPC Parish Council, 1989-1991
- Deacon (active), FPC, 1986-1989

Services to the University/College/School on Committees/Councils/Commissions:

- Member, Leading Midwestern University Team, Strategic Planning, St. Ambrose University, 10/08 to present
- Chairman, Faculty Finance Committee, St. Ambrose University, 09/02 to present
- Chairman, Continuing Education Committee, Physical Therapy Department , 05/02 to present
- Chairman, Admissions & Retention Committee, Physical Therapy Department, 07/04-06/07
- Member, Planning Committee, St. Ambrose University, 09/02-05/06
- Member, Ethics & Professional Behaviors Committee, College of Education and Health Sciences, St. Ambrose University, 05/04-05/05
- Member, Classroom Utilization Committee, St. Ambrose University, 04/04-05/05
- Chairman, Research, Resources and Technology Committee, Physical Therapy Department , 05/02-07/04
- Participant, Forum on Writing Letters of Recommendation, Center for Teaching Excellence, St. Ambrose University, 04/01/04
- Member, Academic Program Termination Taskforce, St. Ambrose University 08-12/03
- Member, Multicultural Camp Planning Committee, St. Ambrose University, 05-12/03
- Chairman, Faculty Committee, Physical Therapy Department, St. Ambrose University, 10/92-12/02
- Ex officio member, Physical Therapy Department standing committees: Admissions and Retention; Curriculum; and Research, Resources & Technology, 09/99-12/02
- Member, Advisory Committee, Physical Therapy Department, St. Ambrose University, 03/92-12/02
- Member, Planning/Advisory Committees, Master of Orthotic Science Program, 09/98-12/01
- Member, Graduate Council, St. Ambrose University, 10/94-12/01

- Participant, St. Ambrose 2020 Vision Summits, St. Ambrose University, 5-10/00
- Member, Comprehensive Examination Committee, Special Education, St. Ambrose University, 09/94-12/99
- Member, Educational Policies Committee, St. Ambrose University, 09/96-12/97
- Chairman, Graduate Student Services Taskforce, Graduate Council, St. Ambrose University, 09/95-01/96
- Member, Human Subjects Committee, St. Ambrose University, 04/94-10/95
- Member, Admissions Committee, Physical Therapy Department, St. Ambrose University, 03/92-09/95
- Member, Curriculum Committee, Physical Therapy Department, St. Ambrose University, 01/92-09/95
- Member, Board of Studies, St. Ambrose University, 08/93-05/95
- Member, Planning Committee, College of Human Services, St. Ambrose University, 08/92-05/93
- Member, Personnel Committee, College of Human Services, St. Ambrose University, 08/92-05/93
- Member, Curriculum Committee, College of Human Services, St. Ambrose University, 03/92-05/92

#### Honors and Awards:

- Joan Mills Distinguished Service Award, Section on Geriatrics, APTA, 2000
- Lucy Blair Service Award, APTA, 1994
- First Place, Special Publications/Brochures, APTA, 1992
- Olive C. Farr Distinguished Service Award, IPTA, 1989
- Dorothy Briggs Memorial Scientific Inquiry Award, APTA, 1987
- Mary McMillan Scholarship Award (Doctoral), APTA, 1987
- C.H. McCloy Scholarship, PEK, University of Iowa, 1983

#### Continuing Education Attended:

- Current Concepts in Geriatric Rehabilitation: Selected Topics, Fall Conference, IPTA, 10/4/08
- MRSA, It's Not Just for Inpatients Anymore!, SE District, IPTA, 9/18/08
- Diagnosis in Dialogue: Defining the "x" in D"x"PT; From Theory to Practice: Educating for Multiculturalism & Social Justice; Managing Risks Through Ethical Decision Making in Clinical Practice. Annual Conference, APTA, 06/12/08
- The Amazing Shoulder: Evidence-based Approach to Intervention. Spring Conference, IPTA, 04/19/08
- Impact of Obesity on Walking: Implications for Fitness Assessment & Exercise Prescription; Designing & Delivering Community-based Exercise Programs for Aging Adults. Combined Sections Meeting, APTA, 02/05-09/08

- Treating Falls & Balance Problems in the Elderly. Fall Conference, IPTA, 10/19-20/07
- Differential Diagnosis & Intervention of the Lumbar Spine. SE District, IPTA, 09/20/07
- Bridging the Gap: The role of the Pelvic Floor in MS & UG Function; Moving Electrophysiological Agents Forward in the Evidence-based Practice Environment; Scope of Practice: PT Must Get Back to the Roots & Focus on its Core Expertise; Standards & Specialization: How Should We Develop Standards for Practice in Specialty Care?; Advances in Genomics: How Should it Impact PT Practice, Education & Research, 15<sup>th</sup> International WCPT Congress, Vancouver, BC, Canada, 06/02-06/07
- Spinal Instability. Spring Conference, IPTA, 04/13-14/07
- Globalization of PT During War; Clinical Decision Making Across Cultures; Current Issues for PT in Congress. Combined Sections Meeting, APTA, 02/15/07
- Vertebral Compression Fractures. SE District, IPTA, 09/21/06
- Evidence-based Balance & Mobility Testing. Annual Conference, APTA, 06/22/06
- Comprehensive Management for the MS Patient; Proper Documentation, Spring Conference, IPTA, 05/12-13/06
- Evidence Based Practice Symposium, Physical Therapy Department, St. Ambrose University, 04/20/06
- Metabolic Syndrome; Issues Forum; Geriatric Research Platform Presentations. Combined Sections Meeting, APTA, 02/02-03/06
- Advanced Intervention for the Spine. Physical Therapy Department, St. Ambrose University, 01/13/06
- Emergency Physical Therapy. Fall Conference, IPTA, 10/08/05
- Operation Iraqi Freedom Prosthetic Experiences. SE District, IPTA, 09/15/05
- Dealing With the Difficult Patient. Spring Conference, IPTA, 05/13-14/05
- Overview of Gait Analysis. SE District, IPTA, 11/11/04
- Wound Management. Fall Conference, IPTA, 10/29-30/04
- Preventing Decline in Muscle Performance. SE District, IPTA, 09/16/04
- Writing Case Reports; Assessment and Treatment of the Lumbar Spine. Spring Conference, IPTA, 04/23-24/04
- The Science of Compliance; Clinical Electrophysiology for Pain; Current Concepts of Pain; Basic Neuroscience for Pain. Combined Sections Meeting, APTA, 02/04-08/04
- Geriatric Neurology: Rehabilitation Treatment Considerations. Fall Conference, IPTA, 09/26-27/03
- Diabetes: Are You At Risk? SE District, IPTA, 09/11/03

#### Current Teaching Responsibilities in the Entry-Level Physical Therapy Program:

- DPT 540 Neuroanatomy / Neurophysiology, Lab Instructor
- DPT 550 Introduction to Physical Therapy, Primary Instructor

- DPT 570 Physical Agents, Lecturer / Lab Instructor
- DPT 660 Professional Practice & Health Care Systems, Course Coordinator/Lecturer
- DPT 700 Issues in Research II, Advisor for student research projects
- DPT 760 PT Procedures II, Geriatrics Module, Lecturer and Lab Instructor
- DPT 800 Applied Anatomy & Physiology, Lecturer
- DPT 810 Advanced Diagnostics, Course Coordinator
- DPT 820 Differential Diagnosis, Lecturer
- DPT 830 Medically Complex Patient, Faculty Case Advisor
- DPT 850 Integration Project, Course Coordinator / Project Advisor

Student Advising:

- Eight entry-level DPT and 10 post-professional TDPT students, St. Ambrose University 2003 to present
- Faculty Advisor, Physical Therapy Student Organization, St. Ambrose University, 1994 to present
- Pre-professional student advising, St. Ambrose University, 1992 to present
- Four MPT and four DPT entry-level students, St. Ambrose University, 2002-2003
- Ten entry-level MPT students per year, St. Ambrose University, 1993-1995
- Majors' Fair, St. Ambrose University, 1993-1994