

## CURRICULUM VITAE

### PERSONAL INFORMATION:

Name Kathye E. Light  
Work Address P O Box 100154, Gainesville, FL 32610  
Work Phone (352) 273-6107

### EDUCATION:

University of Texas, Austin, Texas  
Department of Kinesiological Studies/Institute of Neuroscience  
Doctor of Philosophy/Motor Control - 1983 to 1988

University of Iowa, Iowa City, Iowa  
Graduate Studies in Therapeutics and Exercise Physiology  
1981 to 1982

Medical College of Virginia/Virginia Commonwealth University  
Richmond, Virginia  
Master of Science in Physical Therapy - 1980

University of Missouri, Columbia Missouri  
Bachelor of Science in Physical Therapy - 1974

### EMPLOYMENT HISTORY:

University of Florida, College of Health Professions, Department of Physical Therapy, Gainesville, Florida:  
Associate Professor - employment July 1993 to Present

Adjunct appointments over the course of my employment at University of Florida: UF Institute of Aging,  
UF Brain Institute, UF College of Health and Human Performance, Department of Exercise and Sport  
Sciences, VA Research and Rehabilitation Department, and the VA Geriatric Research and Education  
Center

University of North Carolina at Chapel Hill, School of Medicine, Department of Medical Allied Health  
Professions, Division of Physical Therapy, Chapel Hill, North Carolina: Assistant Professor - July 1988 to  
July 1993

Girling Home Health Agency, Austin, Texas:  
Home Health Physical Therapist - November 1987 to July 1988

The University of Texas, Department of Kinesiology,  
Austin, Texas: Teaching Assistant - August 1986 - to November 1987

The University of Texas Medical Branch at Galveston, Department of Physical Therapy, Galveston, Texas  
Assistant Professor - Summer 1986

The University of Texas Health Science Center at San Antonio,  
School of Allied Health Sciences - Physical Therapy Program,  
San Antonio, Texas: Assistant Professor - June 1982 to August 1985  
Joint Appointment: Department of Life Science - University of Texas at  
San Antonio, San Antonio, Texas,  
Assistant Professor - June 1982 to August 1985

University of Iowa, Iowa City, Iowa, Research/Teaching Assistant - July 1981 to May 1982

Chesterfield County Nursing Home (250 beds and outpatient rehabilitation; Dept with 12 employees),

Chesterfield, Virginia: Director of Physical Therapy - May 1976 to June 1981

Visiting Nurses' Association, Springfield, Missouri (part-time):  
Home Health Physical Therapist - December 1975 to May 1976

St. John's Hospital (acute care and outpatient rehabilitation; specialty area in arthritis), Springfield, Missouri: Staff Physical Therapist - July 1975 to May 1976

St. Louis County Hospital (inpatient acute and rehabilitation and outpatient care), St. Louis, Missouri: Staff Physical Therapist - June 1974 to June 1975

<b>LICENSURE:</b>	Florida Licensed	Current
	North Carolina Licensed	1989 to 1995
	Texas Licensed	1983 to 1989
	Virginia Licensed	1976 to 1983
	Missouri Licensed	1974 to 1976

### **PROFESSIONAL SOCIETIES:**

American Physical Therapy Association (APTA):  
Section for Geriatrics - 1978 to 1985, 1988 to Present  
Section for Research - 1983 to 1985, 1995-Present  
Section for Neurological Study - 1978 to 1981, 1988 to Present  
Section for Education - 1978 to 1981

Florida Chapter APTA- 1993 to present  
North Carolina Chapter APTA - 1989 to 1993  
Texas Chapter APTA - 1982 to 1988  
Iowa Chapter APTA - 1981 to 1982  
Virginia Chapter APTA - 1978 to 1981  
Missouri Chapter APTA - 1974 to 1976

National Stroke Association 1997-2000  
Society for Neuroscience - 1988 to 2000  
NASPSPA - 1988 to 1999

Gerontological Society of America - 1984 to Present  
American Geriatrics Society 2004-present  
International Society for Posture and Gait Research - 1990 - Present

### **PROFESSIONAL SERVICES:**

American Heart Association, Grant Reviewer 2010

National Institutes of Health, NICHD, Ad Hoc Reviewer for 1 PO1 HD065782-01, February 2010.

Curriculum Consultant to School of Physiotherapy in Zurich Switzerland by invitation of the Director of the Institute of Physiotherapy, Dr. Astrid Schamann, March , 2010.

Development and Consultant to the Veterans Affairs Hospital Geriatric Gait and Balance Clinic, Ongoing.

Research Investigator with the Brain Research and Rehabilitation Center and the Rehabilitation Outcomes Research Center, Malcolm Randall Veterans Affairs Hospital, Gainesville, FL. 1998 -2005

Guest Editor for a Special Edition of NeuroRehabilitation. Topic: Current Motor Control Issues in Stroke Rehabilitation. July, 1997.

Editorial Board and manuscript reviewer for the Journal of Aging and Physical Activity, 1992 – 2003, reviewer through present

Manuscript reviewer for Neurorehabilitation and Neural Repair, 2010

Manuscript reviewer for Current Aging Science, 2010

Manuscript reviewer for Physiotherapy Canada, 2000 - present

Manuscript reviewer for Archives of Physical Medicine and Rehabilitation, 1997 - present

Manuscript reviewer for Journal of Neurologic Physical Therapy, 1996-present

Manuscript reviewer for Topics in Geriatric Rehabilitation, 1994-present

Manuscript reviewer for the Journal of Gerontology, 1992-present

Manuscript reviewer for Physical Therapy, 1991-present

Shands Physical Therapy and Shands Home Health, Gainesville, Florida. Consultant, standardized assessments - 1994-1995

The University of Florida, Gainesville, Florida. Research Consultant - April 2-3, 1992.

Wake Rehabilitation Hospital, Raleigh, North Carolina  
Consultant, clinical research projects - 1990-1992.

Moses Cone Hospital, Greensboro, North Carolina . Consultant, clinical research projects, 1990-1992.

Hill Haven Convalescent Center, Raleigh:Consultant - September 15, 1988

Brady/Green Community Health Center, Head Trauma Patients:Consultant - June 1984

Texas Central District Physical Therapy Continuing Education Committee - 1983 to 1984

Board of Directors - United Family Services of San Antonio:Consultant and Member - 1982 to 1985

#### **GRANTS FUNDED:**

Principal Investigator. Examining Parameters of Constraint-Induced Therapy (CIT) NIH, NCMRR. 1 R01 HD 067180; 5 years funded 2005- 2010. \$1,200,000

Co-Principal Investigator with Mark Bishop. The Link Between Smoking and Recovery from Frailty in Older Floridians. Florida Department of Health Biomedical Research Program.. 3 years funded 2004-2007. DOH04-NIR-15, \$350,000

Principal Investigator. Constraint Induced Movement Therapy (CIMT) for Stroke Rehabilitation. Florida Department of Health Biomedical Research Program. 2 years funded 2002- 2004. \$400,000

Principal Investigator of the Florida Center Subcontract. NIH, NCMRR Multicenter Grant. Title: Extremity Constraint-Induced Therapy Evaluation . 5 years funded, 2000-2005. Costs for our Center, \$500,000+.

Co-Principal Investigator with Robert Gluekauf. Pilot Study for the Provision of Followup Constraint-Induced Movement Therapy (CIMT) within the Home Setting via Telehealth Technology. Pilot project funded by the BRRC, VA RR&D, Gainesville FL. 2002.

Co-Principal Investigator with Claudia Senesac. Reliability of the Wolf Motor Function Test and the Actual Amount of Use Test with Pediatric Clients with Hemiparesis. American Physical Therapy Association Pediatric Section. \$5000

Co-Principal Investigator with William Triggs M.D. Veterans Administration Rehabilitation, Research & Development Center. Project Title: Transcortical Magnetic Stimulation, Potential Adjunct to Stroke Rehabilitation. 5 years funded, 1999-2004. Total Center grant \$3,298,000.

Principal Investigator of the Florida Center Subcontract .NIH, NCMRR Multicenter Grant. Title: Family Function, Stroke Recovery, and Caregiver Outcomes. 2 years funded, 2000-2003. Direct Costs for our Center, \$51,989

Co-Principal Investigator with James Cauraugh: Motor Actions, Biofeedback, and Functional Electrical Stimulation: Recovering Arm Movements After a Stroke. Intercollegiate and Interdisciplinary Research Opportunity Fund, University of Florida Department of Sponsored Research, 1997. \$20,000

Investigator from Physical Therapy: Geriatric Education Center Grant, University of Florida. Principal Investigator: George Caranosos. Health, Research, and Service Administration . 1993-1994. \$6800

Project Director and Principal Investigator: US-DHHS, PHS Training Grant. Title: Allied Health Project Grant: Geriatric Education, Research and Practice in Physical Therapy, CFDA 93.191. September 1992 to September 1995, \$360,000

Investigator: Project title: Reducing Frailty in Older Adults with Arthritis  
Principal Investigator: Carol Hogue. DHHS, PHS. Funding for four years, 1992 -1996. \$650,000

Principal Investigator: Motor Control Differences of Normal Subjects and Subjects with Left Versus Right CVAs. University of North Carolina at Chapel Hill Junior Faculty Research Development Award. Funding from January 1992 to January 1993. \$3000

Principal Investigator: The Effect of Isokinetic Exercise Effort on Coordinated Movement Control of Spastic Hemiparetic Subjects. Foundation for Physical Therapy Research. Funding from March 1990-April 1992, \$28,400.

## **COMMITTEES:**

### **University of Florida**

#### ***University Committees:***

Senate Steering Committee, 2010 to 2011

Council on Faculty Academic Freedom, Tenure and Welfare 2010 – 2013

Chair of Council: 2010-2011

University of Florida Faculty Senate 2000-2002 and 2008-2010

Strategic Planning Committee for Rehabilitation Functional Imaging Research

Center for Gerontological Studies Strategic Education Planning Committee. 1999

Geriatric Education Center Coordinating Committee Member 1993-1994, 1997-present.

Academic Freedom, Tenure, Professional Relations and Standards Committee 1994- 1997

Marshall for Commencement Exercises 1994-1996

#### ***College of Health Professions Committee:***

Aging Issues Task Force

Dean of Health Professions Faculty Advisory Committee

Tenure and Promotion Committee for the College of Health Professions.

Committee for Development of Interdisciplinary Research and Clinical Practice

Committee for Development of the Departmental Chair Evaluation Instrument

Search Committee for two faculty members of the Rehabilitation Counseling Department

Search Committee for the Associate Dean of Health Professions

Search Committee for two faculty members of the Occupational Therapy Department

Committee for Development of College Forums on Faculty Research

#### ***Physical Therapy Department Committees:***

RSD Movement Science Graduate committee

PT Department Student Academic Review Task Force

Continuing Education Committee 1993-1994  
 Graduate Education Committee 1994-present  
 Undergraduate Curriculum Committee; Chair, 1995-present; Member, 1994-present  
 Faculty Search Committees for 5 physical therapy faculty  
 Faculty Development Committee 1994-1996

### **University of North Carolina at Chapel Hill**

#### ***School of Medicine:***

Member, Peripheral Vascular Disease Task Force - 1992-1993

#### ***Division of Physical Therapy:***

Member, Graduate Education Committee, 1991 to 1993

Member, Executive Committee, 1990 to 1992

Member, Research Committee, 1989 to Present

Member, Basic Education Committee, 1988 to 1989

#### ***Division of Occupational Therapy:***

Member, Faculty Search Committee, 1991 and 1992

### **University of Texas Health Science Center - San Antonio, San Antonio, Texas:**

Member, President's Advisory Committee to Explorers Post(For High School Students Pursuing Careers in Health Care)

Member of Search Committee, Occupational Therapy Program

## **ADMINISTRATIVE ACTIVITIES:**

### **University of Florida**

Department of Physical Therapy

Director of the Functional Motor Control and Stroke Rehabilitation Research Laboratories - 1994 to present.

Co-Founder with David Lowenthal, MD, PhD, of the VA Geriatric Gait, Balance, and Frailty Clinic. Project coordinated between University of Florida and the Veteran's Administration Hospital, Gainesville, FL. Director of Data Management for this clinic.

### **University of North Carolina at Chapel Hill**

Division of Physical Therapy

Project Director: Allied Health Project Grant: Geriatric Education, Research and Practice in Physical Therapy - 1992-1993

Administrator/Coordinator of Physical Therapy for the UNC-CH

Balance and Dizziness Disorders Clinic, 1990 to 1993

Administrator for APTA Research Grant - 1990 to 1992

Advisor, Honors Program - 1988 to 1993

## **TEACHING RESPONSIBILITY:**

### **University of Florida, Gainesville, Florida**

Doctoral Committee Chair for RSD students Stacy Fritz, Matthew Malcolm, Yi Po Chiu, Tara Patterson, Diane Kornetti, Suzanne Olarsch, Sergio Romero, Amitoj Bhullar

Numerous Masters Thesis Committees and the Doctoral Committees for Stacey Hoffman in Clinical Psychology, Samuel Browd in Neuroscience, Mary Thigpen in Exercise Science/PT, Julia Prinz in Rehabilitation Science, Gloria Miller in Educational Psychology, Michelle Woodbury in Occupational Therapy.

## COURSES TAUGHT/COORDINATED WITHIN CURRICULUM:

- PHT 4905 - Individual Study - Entry Level Masters Students
- PHT 4371C – Geriatrics (3 credits)
- HSC 4553 - Medical and Surgical Disorders II (4 credits)
- PHT 4234 - Therapeutic Exercise (4 credits)
- PHT 4313 - Neurological Evaluation and Treatment (4 credits) (Shared with another faculty member)
- PHT 6196 – Posture and Locomotion (3 credits)
- PHT 6236 - Neurological Dysfunction as Applied to Physical Therapy: The Role of Motor Control and Learning (4 credits)
- PHT 6935 - Seminar in Physical Therapy: Physical Aspects of Aging (3 credits)
- HSC 6905 - Independent Studies: **Supervise on average approximately 5 of these course numbers each year. Below are examples of course titles.**
- HSC 6905 - Independent Study: Spasticity in Stroke Clients: Measuring Co-contraction Patterns. (3 credits Yi Po Chiu)
- HSC 6905 - Independent Study Coping with Disability and Frailty in Geriatrics. (3 credits Julie Prins)
- HSC 6905 - Independent Study Constraint-Induced Therapy with Children born with cerebral palsy (3 credits with Claudia Senesac)
- HSC 6905 - Independent Study on Balance Issues with Geriatric Clients (3 credits with Ashwini Sheth)
- HSC 6905 - Independent Study on Therapeutic Neurologic Approaches Evaluated by Motor Control Criteria (3 credits Stacy Fritz)
- HSC 6905 - Independent Study on Multilimb Coordination. (3 credits with Lola Rosenbaum)
- HSC 6905 - Independent Study on Movement Problems in Parkinson's Disease. (3 credits with Melody Chou)
- HSC 6905 - Independent Study on Pilot Work for Concurrent and Construct Validity of The Timed Functional Movement Battery. (3 credits with Gwen Creel)
- HSC 6905 - Independent Study on Pilot Work for the Analysis of Turning in Elderly Clients. (3 credits with Mary Thigpen)
- PET 6905 - Independent Study on "Practice Effects with Elderly Subjects" (2 credits with Andrea Behrman, Doctoral Student from the Department of Exercise Science)
- PHT 6915 - Applied Research in Physical Therapy: **Supervise numerous students each year** under this course number. **Below are examples of course titles:**
- PHT 6915 - Applied Research in Physical Therapy: Gait, Strength and Balance after Total Hip Replacement (9 credits with Lola Rosenbaum, Masters Student from Physical Therapy)
- PHT 6915 - Applied Research in Physical Therapy: Comparison of Timing Components in Stair-Climbing Versus Walking for Individuals with Parkinson's Disease. (9 credits with Melody Chou, Masters Student from Physical Therapy)
- PHT 6915 - Applied Research in Physical Therapy: Construct and Concurrent Validity of The Timed Functional Movement Battery. (9 credits with Gwen Creel, Masters Student from Physical Therapy)
- PHT 6915 - Applied Research in Physical Therapy: Assessment of Turning Difficulty while Walking. (9 credits with Mary Thigpen, Masters Student from Physical Therapy)
- PHT 6915 - Applied Research in Physical Therapy: Alterations of Fractionated Reaction Time and Force Production in Hemiplegic Subjects after Heavy Effort (6 credits with Gloria Miller, Masters Student from Physical Therapy)
- PET 6905 - Independent Study on "Effects of Progressive Resistive Exercise on EMG Cocontraction Patterns of Subjects with Spasticity" (2 credits with Robert Kellogg, Doctoral Student from the Department of Exercise Science)
- HSC 6905 - Independent Study on Videotape Analysis of Neurological Gait Disorders (2 credits with Michael Umans, Masters Student from the Department of Exercise Science)

## UNITS TAUGHT WITHIN A COURSE

- PHT 3238 - Lifespan Development: Geriatric Unit
- PHT 3300 - Medical Surgical Disorders I: Pulmonary Unit

**University of North Carolina - Chapel Hill, Chapel Hill, North Carolina**

## COURSES TAUGHT/COORDINATED WITHIN CURRICULUM:

- PHYT 85 - Neuromuscular Assessment and Treatment II

PHYT 156 - Honors Readings

PHYT 243 - Therapeutic Exercise with Neuromuscular Disorders

PHYT 303 - Problems in Physical Therapy

PHYT 377 - Readings in Selected Topics in Physical Therapy

PHYT 379 - Research in Physical Therapy

PHYT 393 - Master's Thesis Advisor for 6 students; two award winners

1. Pei Fang Tang (Won the Masters' Thesis Award in Physical Therapy at University of North Carolina 1991)

2. Stephanie Rehm (Won the Masters' Thesis Award in Physical Therapy at University of North Carolina 1993)

#### UNITS TAUGHT WITHIN A COURSE

PHYT 90 - Functional Anatomy

PHYT 200 - Scientific Basis of Human Motion

PHYT 291 - Analysis of Human Motion

PHYT 80 - Human Growth and Development

#### **University of Texas - Austin**, Austin, Texas

#### COURSES TAUGHT/COORDINATED WITHIN CURRICULUM:

KIN 335 - Motor Learning Laboratories

PED 106 - Habilitation Conditioning. ;Offered to the students with disabilities at University of Texas - Austin

PED 106 - Conditioning by Running and Weight Training

#### **University of Texas Health Center - San Antonio**, San Antonio, Texas

#### COURSES TAUGHT/COORDINATED WITHIN CURRICULUM:

PHYT 30322 - Therapeutic Exercise I

Basic Principles of Exercise Training and Monitoring;

Basic Orthopedics

PHYT 40292 - Introduction to Research Methods

PHYT 30122 - Therapeutic Exercise II: Advanced Orthopedics

PHYT 30210 - Therapeutic Concepts I

P.T. with Cardiac, Pulmonary and Diabetic Patients

PHYT 40091 - Independent Study - Neurophysiology

PHYT 30311 - Fundamental Concepts of Patient Management

PHYT 40382 - Supervision and Management

PHYT 40324 - Therapeutic Exercise IV: Adult Bobath Unit

PHYT 30440 - Growth and Development: Geriatric Unit

PHYT 30231 - P.T. Procedures II - Electrotherapy

#### **Guest Lecturer:**

University of North Carolina at Chapel Hill, School of Medicine, Chapel Hill, North Carolina: Strength Training of Clients Post-Stroke: Indicated or Contraindicated?. Program on Aging Lecture Series, April, 1993.

University of North Carolina at Chapel Hill, School of Medicine, Chapel Hill, North Carolina: Motor Control Issues of Practice Movement Complexity for Aging Adults. Program on Aging Lecture Series, September 6, 1990.

University of Texas Medical Branch, Physical Therapy Program, Galveston, Texas: Cardiopulmonary Diabetes Unit (45 hours) - 1986

St. Phillips College, Physical Therapy Assistant Program, San Antonio, Texas: Cardiopulmonary Unit (10 hours) - 1985

University of Texas Health Center - San Antonio, School of Allied Health Sciences, Occupational Therapy Program, San Antonio, Texas: Unit on Cardiac Rehabilitation (10 to 12 hours) - 1984 and 1985

Medical College of Virginia/Virginia Commonwealth University,  
 Richmond Virginia: Physical Therapy as Relates to Geriatric Care. Lecture Series (4 hours) presented to  
 physical therapy students -  
 1979 and 1980

## **PUBLICATIONS:**

### **Refereed Publications:**

Bishop MD, Patterson TS, Romero S, **Light KE**. Improved fall-related efficacy in older adults related to changes in dynamic gait ability. (In publication) *Physical Therapy*, 2010

Wolf S, Winstein C, Uswatte G, Taub E, Nichols D **Light KE**. The EXCITE Stroke Trial: Comparing Early and Delayed Constraint-Induced Movement Therapy, *Stroke*. 2010; 41: 00-00. (In Press for October)

Romero, S. Velozo C. **Light KE**. Minimal Detectable Change of the Berg Balance Scale and Dynamic Gait Index in Geriatric Patients with Gait and Balance Deficits. Submitted to *Physical Therapy Journal of Geriatrics*, 2010

Woodbury M, Velozo C, **Light KE**, Thompson PA, et al.. Measurement Structure of the Wolf Motor Function Test: Implications for Motor Control Theory. *Neurorehabilitation and Neural Repair*. 2010; XX(X): 1-11 (In publication).

Bishop MD, Robinson ME, **Light KE**. Tobacco Use and Recovery of Gait and Balance Function in Older Adults. (In publication) *Archives of Phys Med Rehab*, 2010

Wolf SL, Newton H, Maddy D, Blanton S, Zhang Q, Winstein CJ, Morris DM, **Light K**. The Excite Trial: Relationship of intensity of constraint induced movement therapy to improvement in the wolf motor function test. *Restor Neurol Neurosci*. 2007;25(5-6):549-62.

Bishop MD, Meuleman J, Robinson M, **Light KE**. Influence of pain and depression on fear of falling, mobility, and balance in older male veterans. *J Rehabil Res Dev*. 2007;44(5):675-84.

Malcolm MP, Triggs WJ, **Light KE**, Gonzalez Rothi LJ, Wu S, Reid K, Nadeau SE. Repetitive transcranial magnetic stimulation as an adjunct to constraint-induced therapy: an exploratory randomized controlled trial. *Am J Phys Med Rehabil*. 2007 Sep;86(9):707-15.

Uswatte, G., Taub E, Morris D, **Light K**, Thompson, PA. The Motor Activity Log-28: A Structured Interview for Measuring Daily Use of the Hemiparetic Arm after Stroke. Accepted for Publication. *Archives of Phys Med Rehab*

Fritz SL, George SZ, Wolf SL, **Light KE**. Participant Perception of Recovery as Criterion to Establish Importance of Improvement for Constraint-Induced Movement Therapy Outcome Measures: A Preliminary Study. *Physical Therapy*. 2007;87(2): 170-178.

Pickett TC, Fritz SL, Ketterson TU, Glueckauf RL, Davis SB, Malcolm MP, & **Light KE**. Telehealth and Constraint-Induced Movement Therapy: An Intensive Case Study Approach. *Clinical Gerontologist* 2007, 31(1):5-20.

Uswatte, G., Taub E, Morris D, **Light K**, Thompson, PA. The Motor Activity Log-28: Assessing Daily Use of the Hemiparetic Arm after Stroke. *Neurology*. 2006; 67(7): 1189-1194.

Wolf S, Winstein C, Uswatte G, Taub E, **Light KE**, Giuliani C, Good D, Nichols D. Effect of Constraint-Induced Movement Therapy on Upper-Extremity Function 3-9 Months After Stroke: The EXCITE Randomized Clinical Trial. *JAMA*. 2006; 296:2095-2104.

Blanton S, Wolf S, Redmond S. **Light KE**. Lessons Learned on Participant Recruitment and Retention: The EXCITE Trial. *Physical Therapy*. 2006; 86(11): 1520-1533.



- Malcolm MP, Triggs WJ, **Light KE**, Shechtman O, Khandekar G, Gonzalez Rothi LJ. (2006). Reliability of Motor Cortex Transcranial Magnetic Stimulation in Four Muscle Representations. *Clinical Neurophysiology*. 2006;117:1037-1046
- Fritz SL, **Light KE**, Patterson TS, Behrman AL, Davis SD. Descriptive Characteristics as Potential Predictors of Outcomes Following Constraint-Induced Movement Therapy for People After Stroke. *Physical Therapy*. 2006; 86: 825-832.
- Chiu YP, Fritz SL, **Light KE**, Velozo C. Use of Item Response Analysis to Investigate Measurement Properties and Clinical Validity of the Dynamic Gait Index. *Physical Therapy*. 2006; 86(6): 778-787.
- Fritz SL, Chiu Y-P, Malcolm MP, Patterson T, **Light KE**. Feasibility of EMG-Triggered Neuromuscular Stimulation as an Adjunct to Constraint-Induced Movement Therapy: *Physical Therapy*. 2005, 85:428-442, 2005.
- Behrman AL, **Light KE**. Is the Functional Reach Test Useful for Identifying Falls Risk among Individuals with Parkinson's Disease? *Arch Phys Med Rehabil*. 2002; 83(4): 538-542.
- Malcolm M, Triggs W, **Light KE**. Test-Retest Reliability of Transcranial Magnetic Stimulation Measures of Motor Cortex Organization and Excitability. *Neurology*, 62(5): A281, 2004.
- Kornetti D, Fritz SL, Chiu Y-P, **Light KE**, Velozo C. Rating Scale Analysis of the Berg Balance Test. *Archives of Physical Medicine and Rehabilitation*, 85:1128-1135, 2004.
- Malcolm MP, Chiu Y, Fritz SF, **Light KE**, Gonzalez-Rothi L. Constraint-Induced Movement Therapy in High and Low Functioning Sub-acute Stroke Survivors. *Proc Natl VA Rehab Research Dev*. 30, 2002.
- Behrman AL, **Light KE**, Miller GM. Sensitivity of the Tinetti Performance-Oriented Gait Assessment for Individuals with Parkinsons Disease. *Clinical Rehabilitation*, 16: 399-405, 2002.
- Behrman AL, **Light KE**. Is the Functional Reach test useful for identifying falls risk among individuals with Parkinsons Disease? *Archives of Physical Medicine and Rehabilitation*, 83: 538-542, 2002
- Sicard-Rosenbaum L, **Light KE**, Behrman AL. Gait, Lower Extremity Strength and Self-Assessed Function After Hip Arthroplasty. *Journal of Gerontology: Medical Sciences*. 57(1):M47-M51, 2002.
- Creel GL, **Light KE**, Thigpen, MT. Concurrent and Construct Validity of the Timed Functional Movement Battery. *Physical Therapy*, 81(2): 789-798, 2001
- Thigpen MT, **Light KE**, Creel GL, Flynn SM. Characteristics of Difficulty Turning While Walking in Older Adults. *Physical Therapy*, 80(12): 1174-1187, 2000.
- Cauraugh J, **Light K**, Kim S, Thigpen M, Behrman A. Chronic Motor Dysfunction: Recovering Wrist and Finger Extension After a Stroke by Electromyography-Triggered Electrical Stimulation. *Stroke*, June , 31(6): 1360-1364, 2000.
- Behrman AL, Cauraugh JH, **Light KE**. Practice as an intervention to improved speeded motor performance and motor learning in Parkinson's Disease. *Journal of the Neurological Sciences*, 174: 127-136, 2000.
- Giuliani CA, Purser JL, **Light KE** Genova PA. Impairments In Arm Control In Subjects With Left And Right Hemisphere Stroke. *NeuroRehabilitation*, 9(1), 71-87, 1997.
- Miller GJT, **Light KE**. Strength Training in Spastic Hemiparesis: Should it be Avoided? *NeuroRehabilitation* , 9(1), 17-28, 1997.
- Rehm-Gelin S, **Light KE**, Freund JE. Reliability of Timed-Functional Movements for Clinical Assessment of a Frail Elderly Population. *Journal of Physical and Occupational Therapy in Geriatrics*, 15(1), 1-19,

1997.

**Light KE**, Behrman AL. The 2-minute Walk Test: A tool for evaluating endurance in clients with Parkinson's Disease. *Neurology Report*, 21(4), 136-139, 1997.

Behrman AL, **Light KE**. Scientific Conferences: Incorporating Recent Research in the Entry-Level Neurorehabilitation Curriculum. *Neurology Report*, 20(1), 55-59, 1996.

**Light KE**, Rose DK, Purser J. Functional Reach: Strategies of Elderly Subjects With and Without Disequilibrium. *Journal of Physical and Occupational Therapy in Geriatrics*, 14(1), 39-52, 1996.

**Light KE**, Reilly MA, Behrman AL, Spirduso WW. Greater Benefits of Practice on Reaction Time in Older versus Younger Subjects. *Journal of Aging and Physical Activity*, 4(1): 27-41, 1996.

**Light KE**, Spirduso WW. Age-Related Response Preparation Differences for Response-Response Compatibility. *Journal of Aging and Physical Activity* 4(2): 179-193, 1996.

**Light KE**, Purser J, Rose DK. The Functional Reach Test for Balance: Criterion-Related Validity of Clinical Observations. *Issues on Aging*, 18(2): 5-9, 1995.

**Light KE**, PF Tang, C Riegger-Krugh. Performance Differences Between Young and Elderly Females in a Step-Reach Task. XIth International Symposium on Posture and Gait: Control Mechanisms, 2: 287-290, 1992.

**Light KE**, Purser JL. Motor Programming Deficits of Patients with Left versus Right CVAs. Proceedings of the Neurology Section of the APTA, 1991.

Giuliani CA, **Light KE**, Purser JL. The Effects of an Isokinetic Exercise Program on the Performance of Sit-to-Stand in Patients with Hemiparesis. Proceedings of the Neurology Section of the APTA, 1991.

Rose DK, Giuliani CA, **Light KE**. The Immediate Effects of Isokinetic Exercise on Temporal-Distance Characteristics of Self-Selected and Fast Hemiplegic Gait. Proceedings of the Neurology Section of the APTA, 1991.

**Light KE**. Clients with Spasticity: To Strengthen or Not to Strengthen. *Neurology Report*, 15(1):19-20, 1991.

**Light KE**, Spirduso WW. Effects of Adult Aging on the Movement Complexity Factor of Response Programming. *Journal of Gerontology: Psychological Sciences*, 45(3): 107-109, 1990.

**Light KE**. Information Processing for Motor Performance in Aging Adults. *Physical Therapy*, 70(12): 820-826, 1990

**Light, K.E.**, et al. "Low Load Prolonged vs. High Load Brief Stretch in Treatment of Knee Contractures." *Physical Therapy* 64(3): 330-333, 1984

**Light, K.E.** "Review of the Aged Respiratory System." *Physical and Occupational Therapy in Geriatrics* 3(1): 5-15, 1983.

### **Non-Refereed Publications**

Barr J, Bell A, Berg K, Light K et al. "I. Research Initiatives on Human Performance in Older Persons." In *Physical Therapy Treatment Effectiveness for Older Persons*, Proceedings of Project Focus "94: A White House Conference on Aging, American Physical Therapy Association for the Foundation for Physical Therapy, Inc. [Publication No. P-118], pp. 37-39, 1995

Nuzik, S, KE Light, A. Barstrom. "An Approach to Joint Restriction: Low Load Prolonged vs. High Load Brief Stretch in Treatment of Knee Contractures." *Virginian Newsletter*, pp. 4-5

(publication of VPTA), November, 1982

### Book Chapters

**Light KE.** "Thinking, Planning, and Learning Movement Control." Chapter 8 in Motor Control and Physical Therapy, P. Montgomery and B. Connally (eds). Slack Incorporated, Thorofare, New Jersey, 2002

**Light KE, Reilly MA** "Physical Therapy." In G. Goldstein & S.R. Beers (Eds.), Rehabilitation, Plenum Press, New York, NY, 1998.

Sloane P, Hartman M, **Light KE, H. Pillsbury.** "Dizziness." Chapter in Geriatric Care, G.W.Manning & Associates, Medical and Scientific Publishing, St.Louis, Mo, 1992.

**Light KE.** "Issues of Cognition for Motor Control." Chapter in Motor Control: Theoretical Framework and Practical Application to Physical Therapy, P. Montgomery and B. Connally (eds). Chattanooga Group, Inc., Hixson, Tennessee, 1991

**Light KE.** "Motor Control and Learning Concepts Applied to the Exercise Training of Senior Adults." Postgraduate Advances in Physical Therapy, Forum Medicum, Inc., Berryville, Virginia, pp 1-14, 1990

### Published Refereed Abstracts

Chiu Y-P, Davis SB, Wen P-S, Fritz SL, **Light KE**, Teitelbaum O, Teitelbaum P. Reliability of Essential Movement-Component Evaluation. Combined Section Meeting, American Physical Therapy Association, Las Vegas, February 2009

Bishop MD, Bautista M, **Light KE**, Meuleman J. Pain, Depression, and Balance Confidence in Frail Older Men. Gerontological Society of America National Meeting, Orlando, 2005

Romero S, **Light KE**, Bishop MD, Meuleman J. Home Exercises are an Effective Intervention for Improving Balance and Mobility Impairment. Gerontological Society of America National Meeting, Orlando, 2005

**Light KE**, Bishop M, Kornetti D, Prieto-Lewis N. Can telephone calls make a difference in outcomes for elders? Combined Sections Meeting, APTA, 2004

Chiu YP, **Light KE**, Behrman AL, Malcolm M, Fritz S. Long-Term Changes of Health-Related Quality of Life in Individuals Post-Stroke Who Received CIMT in Conjunction with Donepezil and r-Transcranial Magnetic Stimulation (PO-rr-82-F. American Physical Therapy Association Meeting, Orlando FL, June 2006.

Wolf S, Winstein C, Uswatte G, Taub E, **Light KE**, Giuliani C, Good D, Nichols D. The Extremity Constraint-Induced Therapy Evaluation (EXCITE) Trial for Patients with Sub-Acute Stroke. International Stroke Conference of the American Heart Assoc/American Stroke Assoc. Presentation # 47, Abstract number 06-Str-Lb-2135-ASA, 2006

Chiu YP, Fritz SL, **Light KE.** The Invariant Features of Reaching in Older Adults Post-Stroke: An Application of Eshkol-Wachman Movement Notation. J Am Geriatr Soc. Abstract. 2005; 53(4): S120.

Fritz SL, Patterson T, Malcolm MP, **Light KE.** Descriptive Predictors of Outcomes for Constraint Induced Movement Therapy (CIMT): A Pilot Study. Combined Sections Meeting, Nashville, TN, February 2004.

Pickett TC, Fritz SL, Ketterson TU, Malcolm MP, Davis SB, **Light KE**, Glueckauf RL, & Nadeau SE (2003, December). Telehealth and Constraint-Induced Movement Therapy: A Case Study Design. Presented at the International Conference on Aging, Disability and Independence (ICADI). Washington DC.

- Chiu Y, **Light KE**, Fritz SL, Kornetti D, Velozo C. Item Analysis of the Dynamic Gait Index in Community Dwelling Older Adults. Presented at World Physical Therapy Conference, Barcelona, Spain, 2003.
- Light KE**, Kornetti D, Olarsch SC, Prieto-Lewis N. Improvement in Balance Control and the Reduction of Falls in Frail Elders: Case Studies. Presented at Combined Sections Meeting, Tampa, FL, February 2003.
- Kornetti D, Fritz SL, Chiu Y-P, **Light KE**, Velozo C. Functional Interpretation of the Berg Balance Test Using the Rasch Measurement Model. Presented at Combined Sections Meeting, Tampa, FL, February 2003.
- Fritz SL, Patterson T, Malcolm M, Chiu Y-P, **Light KE**. EMG Triggered Neuromuscular Stimulation as an Adjunct to CIMT: A Case Study. Presented at Combined Sections Meeting, Tampa, FL, February 2003.
- Chiu Y, **Light KE**, Fritz SL, Kornetti D, Velozo C. Use of the Rasch Model to Analyze the Dynamic Gait Index in Community Dwelling Elders with Balance Deficits. Presented at Combined Sections Meeting, Tampa, FL, February 2003.
- Malcolm M, Chiu YP, Fritz SL, **Light KE**. Constraint Induced Movement Therapy in Subacute Stroke Survivors. Presented at VA National Rehabilitation Research Conference, Arlington, VA, February 2002.
- Fritz SL, Kornetti D, Prieto-Lewis N, **Light KE**. Use of the Timed Up and Go as a Screening Tool for prediction of falls and its Correlation with the Dynamic Gait Index and Berg Balance Test in the Geriatric Population. Presented at APTA Combined Section Meeting, Boston, MA, February 2002.
- Behrman AL, **Light KE**, Flynn SM, Bowers D, Friedman WA.. Upright Mobility in Parkinson's Disease: Backward Walking is the Most Difficult. Society for Neuroscience Abstracts, Volume 22, p, 1996.
- Light KE**, Behrman AL, Flynn SM, Bowers D, Friedman WA. Timing Of Functional Movements For Individuals With Parkinson's Disease. The Gerontologist, 36: August 1996.
- Light KE**, Rose DK, Purser JL. The Functional Reach Test for Balance: Strategies of Elderly Subjects With and Without Disequilibrium. Issues on Aging, 19 (1), 1996
- Behrman AL, Cauraugh JH, **Light KE**. Timing in a Complex Movement Sequence: Practice Effect Comparisons of Individuals With and Without Parkinson's Disease. Journal of Sport and Exercise Psychology, Volume X, Supplement, SX, 1996.
- Behrman AL, Cauraugh JH, **Light KE**. Analysis of the Movement Initiation Problem in Parkinson's Disease: Practice as an Intervention. Neurology Report, Volume 19(4), p 16, 1995.
- Miller GJT, **Light KE**, Kellogg R. Comparison of Isometric Force Control Measures in Spastic Muscle of Poststroke Individuals Before and After Graded Resistive Exercise. Neurology Report, Volume 19(4), p 20, 1995.
- Light KE**, Behrman AL, Miller G. Limitations of the Tinetti Gait Assessment for Evaluating Clients with Parkinsons Disease. Neurology Report, Volume 18(4), p 22-23, 1994.
- Saracino D, Brunt D, **Light KE**. The Effect of Limb Loading and Target Position on Anticipatory Postural Adjustments. Neurology Report, Volume 18(4), p 29, 1994.
- Genova PA, Giuliani CA, **Light KE**. A Method of Analysis to Detect and Characterize Upper Limb Control Deficits in Subjects with Stroke. Society for Neuroscience Abstracts, Volume 20, p 1197, 1994.
- Light KE**, Rehm S, Hall CD, Giuliani CA. Does Heavy Resistive Exercise Promote Muscular Cocontraction and Loss of Reciprocal Movement in Brain-Injured Subjects. Society for Neuroscience Abstracts, Volume 20, p 844, 1994.
- Behrman AL, **Light KE**. Practice and Reminiscence: Different Findings for Young and Old. Journal of

Sport and Exercise Psychology, Volume 16, Supplement, S30, 1994

Giuliani CA, Genova PA, Purser JL, **Light KE**. Limb Trajectory in Non-Disabled Subjects Under Two Conditions of External Constraint Compared with the Non-Paretic Limb of Subjects with Hemiparesis. Society for Neuroscience Abstracts, Volume 19, p 990, 1993.

**Light KE**, Freund JE, Purser JL. Correlation of Strength to Functional Movement Speed in Elderly Subjects. Journal of Aging and Physical Activity, Volume 2, October, 1993.

Spirduso WW, Choi J, Jay SM, **Light KE**. Psychomotor Learning of Aging Adults. Journal of Sport and Exercise Psychology, Volume 15, Supplement, S79, 1993.

**Light KE**, Riegger-Krugh C. Age Comparison of an Upright Multilimb Coordination Response under Predictable and Unpredictable Conditions. Physical Therapy, 71(6), Supplement, S51, 1991.

**Light KE**, Purser JL. Motor Programming Deficits of Patients with Left versus Right CVAs. Neurology Report, 1991.

**Light KE**, Rose DK. Pursuit Rotor Tracking Abilities in Patients with Disequilibrium. Neurology Report, 1991.

Giuliani CA, **Light KE**, Purser JL. The Effects of an Isokinetic Exercise Program on the Performance of Sit-to-Stand in Patients with Hemiparesis. Neurology Report, 1991.

Rose DK, Giuliani CA, **Light KE**. The Immediate Effects of Isokinetic Exercise on Temporal-Distance Characteristics of Self-Selected and Fast Hemiplegic Gait. Neurology Report, 1991.

**Light KE**, Sloane P. Correlation of Strength and Falling in Clients with Dizziness and Disequilibrium. The Gerontologist, 31:August 1991.

**Light KE**, Riegger Krugh C. Age Comparison of an Upright Multilimb Coordination Response Under Predictable and Unpredictable Conditions. Physical Therapy, 71(6) Supp, S51, 1991.

**Light KE**. Dizziness and Balance Disorders in the Elderly: Effect of Predictable Versus Unpredictable Fast Responding. The Tarheel Journal, 74 (November): 6, 1990.

Hall CD, **Light KE**. Heavy Resistive Exercise Effect on Reciprocal Movement Coordination of Closed-Head Injured Subjects with Spasticity. The Tarheel Journal, 74(November): 6, 1990.

Carley M, **Light KE**. The Effect of Tall Kneeling Balance Practice on Upright Balance Control: A Case Study. The Tarheel Journal, 74(November): 6, 1990.

Spirduso WW, **Light KE**, Reilly MA. Life Span Changes in Movement Complexity and Response Compatibility: Effects on Response Latency and Consistency. The Gerontologist, 30:195A, 1990.

**Light KE**, Spirduso WW. Effects of Adult Aging on the Movement Complexity Factor of Response Programming. The Gerontologist, 29:22A, 1989.

Reilly MA, **Light KE**. Movement Efficiency Effects of Transcranial Stimulation on a Single Subject with Cerebral Palsy. The Tarheel Journal, June, 1989.

**Light KE**, Spirduso WW. Effects of Adult Aging on Response-Response Compatibility. NASPSPA (National Motor Behavior And Sport Psychology) Proceedings, June, 1989.

#### **Published Non-refereed Abstracts**

Khandekar G, Malcolm MP, Triggs W, Fritz SL, **Light KE**. Modulation of the Muscles Representations in the Primary Motor Cortex Following Constraint Induced Movement Therapy. University of Florida College of Public Health and Health Professions Research Day. April 2004.

Limaye S, **Light KE**, Fritz SL, Patterson TS. Changes in Prehension with Constraint-Induced Movement Therapy in Adults Following Unilateral Stroke. University of Florida College of Public Health and Health Professions Research Day. April 2004.

Pickett TC, Fritz SL, Ketterson TU, Malcolm MP, Davis SB, Glueckauf RL, **Light KE**, Nadeau S. Telehealth and Constraint-Induced Movement Therapy (CIMT): A Case-study design. Presented at UF Brooks Center for Rehabilitation Studies Grand Opening, September 25, 2003.

Fritz SL, Patterson T, Malcolm M, Chiu Y, **Light K**. Constraint Induced Movement Therapy with Electromyography-Triggered Neuromuscular Stimulation: A Case Study. University of Florida College of Health Professions Research Day. April 2003.

Malcolm M, Fritz SL, Patterson T, **Light K**, Triggs W. Activity Dependent Plasticity in Survivors of Stroke. University of Florida College of Health Professions Research Day. April 2003.

Patterson T, Fritz SL, Malcolm M, Chiu P, **Light K**. Constraint Induced Movement Therapy: A Comparison of On-site Therapy Versus Home Therapy. University of Florida College of Health Professions Research Day. April 2003.

Fritz SL, Phadke C, **Light KE**. Apraxia and CIMT: Are They a Match? Presented at International Stroke Symposium. Kansas City, MO. April 2002.

Fritz SL, Saunders D, Flynn S, **Light K**, Behrman A. Effects of Various Arm Swing Conditions on Step-Length During Constant Speed Treadmill Walking: A Pilot Study. University of Florida Graduate Student Forum 2000. p 116, 2000.

#### **Master's Thesis**

**Light K.E.** "The Effect of Guided Movements and Supported Sitting Posture on Energy Expenditure of Bedridden, Mentally Senile Subjects." Master's Thesis, Medical College of Virginia, Virginia Commonwealth University, 1980

#### **Doctoral Dissertation**

**Light, K.E.** "Effects of Adult Aging on Response Programming Complexity and Compatibility." Doctoral Dissertation, University of Texas - Austin, 1988

## **PRESENTATIONS:**

### **International Presentations**

**Light KE** (Invited Presentation). The Unanswered Questions in Constraint-Induced Therapy. University of British Columbia, Vancouver, Canada, May 21, 2010.

**Light KE** (Invited Presentation). The Future of Constraint-Induced Movement Therapy. Institute of Physiotherapy, Zurcher Hochschule fur Angewandte Wissenschaften, Zurich, Switzerland, March 17, 2010

**Light KE** (Invited Presentation). Current Work in Constraint-Induced Movement Therapy. Neuroscience Research Center. University of Zurich, Balchrist Hospital, Zurich, Switzerland, March 18, 2010.

Light KE, Fritz S, Malcolm M. Comparison of Constraint-Induced Therapy Outcomes for Home Program versus In-House Training. 6<sup>th</sup> World Congress for Neurorehabilitation (WCNR). Vienna, Austria. March 21, 2010.

Chiu Y, Fritz SL, Kornetti D, Velozo C, **Light KE**. Item Analysis of the Dynamic Gait Index in Community Dwelling Older Adults. World Physical Therapy Conference, Barcelona, Spain, 2003.

Behrman AL, Cauraugh JH, **Light KE**. Timing in a Complex Movement Sequence: Practice Effect Comparisons of Individuals With and Without Parkinson's Disease. NASPSPA Conference. Toronto,

Ontario, Canada. February, 1996.

### **National Presentations**

**Light KE (Moderator).** Bridging Science and Clinical Practice: You can be that Scientist! APTA National Conference: Combined Sections Meeting. San Diego, CA, February 18, 2010.

**Light KE** (Invited Presentation) Evaluating the Problem of Elderly Persons Falling. GRECC Conference Gainesville FL, April 20, 2004.

**Light KE** (Invited Presentation) Practical Applications of Neuroplasticity in Stroke Rehabilitation: Constraint Induced Movement Therapy. GRECC Conference Stroke Rehabilitation: Update on State of the Art Management. Gainesville FL, May 4, 2001.

**Light KE**, Prieto-Lewis N. Correlation of Lower-Extremity Strength to Functional Balance and Movement. APTA National Conference: Combined Sections Meeting. February 17, 2001.

Thigpen MT, **Light KE**. Assessment of Turning Difficulty in Frail Elders with Balance Problems. APTA National Conference: Combined Sections Meeting. February 17, 2001.

**Light KE.** (Invited Presentation) Falls, Frailty and Special Needs. Department of Veterans Affairs, GRECC Conference "Exercise and Rehabilitation in Aging. Gainesville FL, May 14, 1999.

**Light KE**, Behrman AL, Flynn SM, Bowers D, Friedman WA. Cross-Correlations of the Movements in the Timed Functional Movement Battery for Elderly Clients. Combined Sections Annual Meeting of The American Physical Therapy Association, Dallas, TX, February, 1997.

**Light KE.** (Invited Presentation) Exercise and Special Needs of our Elderly Population with Disabilities: General Guidelines for Improved Physical Activity. International Conference on Aging and Physical Activity, Austin, TX, September 16-21, 1997.

Thigpen MT, **Light KE**, Creel GL, Flynn SM. Characteristics of Difficulty Turning While Walking in Older Adults." International Conference on Aging and Physical Activity, Austin, TX, September 16-21, 1997.

Flynn SM, Behrman AL, **Light KE**, Thigpen MT. Is the Timed Up and Go Test an Effective Measure of Functional Performance in Individuals with Parkinson's Disease? International Conference on Aging and Physical Activity, Austin, TX, September 16-21, 1997.

Creel G, **Light KE**, Thigpen MT. Concurrent and Construct Validity of The Timed Functional Movements Battery. International Conference on Aging and Physical Activity, Austin, TX, September 16-21, 1997.

**Light KE.** (Invited Presentation) Physiology of Geriatric Exercise Programs. Conference titled: Developing Effective Programs and Documenting Outcomes: Frailty, Falls, Hip Fractures, Osteoporosis, Stroke, Neurological Conditions. Tampa, Florida January 25, 1997 and Chicago, IL, September 13, 1997.

**Light KE.** (Invited Presentation) Exercise Programs in Neurological Patients. Conference titled: Developing Effective Programs and Documenting Outcomes: Frailty, Falls, Hip Fractures, Osteoporosis, Stroke, Neurological Conditions. Tampa, Florida January 26, 1997 and Chicago, IL, September 14, 1997.

**Light KE**, Behrman AL, Flynn SM, Bowers D, Friedman WA. Timing Of Functional Movements For Individuals With Parkinson's Disease. Gerontological Society of America, Washington, DC, November, 1996.

Behrman AL, **Light KE**, Flynn SM, Bowers D, Triggs W, Friedman WA. Upright Mobility in Parkinson's Disease: Backward Walking is the Most Difficult. Society for Neuroscience, Washington, DC, November, 1996.

**Light KE**, Behrman AL, Flynn SM, Bowers D. Is the Functional Reach Test a Meaningful Balance Assessment for Clients with Parkinson's Disease? University of Florida, College of Health Professions Annual Fair, September 26, 1996.

Behrman AL, Cauraugh JH, **Light KE**. Analysis of the Movement Initiation Problem in Parkinson's Disease: Practice as an Intervention. Combined Sections Annual Meeting of The American Physical Therapy Association, Atlanta, GA, February, 1996.

Miller GJT, Kellogg R. **Light KE** "Comparison of Isometric Force Control Measures in Spastic Muscle of Poststroke Individuals Before and After Graded Resistive Exercise." Combined Sections Annual Meeting of The American Physical Therapy Association, Atlanta, GA, February, 1996.

**Light KE**, Rose DK, Purser JL. "The Functional Reach Test for Balance: Strategies of Elderly Subjects With and Without Disequilibrium." Combined Sections Annual Meeting of The American Physical Therapy Association, Atlanta, GA, February, 1996.

**Light KE** (Invited Panelist) Project Focus '94: Physical Therapy Treatment Effectiveness for Older Persons. A White House Conference on Aging, American Physical Therapy Association for the Foundation for Physical Therapy, Inc. September 28-30, 1994

**Light KE**. (Invited Speaker) Geriatric Functional Assessment. Department of Rehabilitation Lecture Series, University of Washington, Seattle, WA, January 25, 1996.

**Light KE**. (Invited Keynote Address) Timed Functional Movements in Geriatric Assessment. University of Florida, College of Health Professions Annual Research Fair, November 2, 1995.

Behrman AL, Cauraugh J, **Light KE**. Split-Screen Video Analysis: A Method of Motor Skill Training." 38th World Conference, International Council for Health, Physical Education, Recreation, Sport and Dance, Gainesville, FL, July 1995.

**Light KE**. Balance Frailty in Elderly Women. Symposium: A New Phase in Collaborative Research at the University of Florida Exploring Gender and Women's Issues, University of Florida, Gainesville, FL, March 22, 1995.

Light KE, Behrman AL, and Miller G. Limitations of the Tinetti Gait Assessment for Evaluating Clients with Parkinson's Disease. Combined Sections Annual Meeting of The American Physical Therapy Association, Reno, NV, February, 1995.

Light KE, Rehm S, Hall CD, Giuliani CA,. Does Heavy Resistive Exercise Promote Muscular Cocontraction and Loss of Reciprocal Movement in Brain-Injured Subjects. Society for Neuroscience, Miami FL, November, 1994.

Genova PA, Giuliani CA, Light KE. A Method of Analysis to Detect and Characterize Upper Limb Control Deficits in Subjects with Stroke. Society for Neuroscience, Miami FL, November, 1994.

Behrman AL, Light KE. Practice and Reminiscence: Different Findings for Young and Old. North American Society for the Psychology of Sport and Physical Activity, Clearwater FL, June 1994.

Light KE. Invited presentation: Functional Significance of Spasticity Measurements. Combined Sections Annual Meeting of The American Physical Therapy Association, New Orleans, LA, February, 1994.

Giuliani CA, Genova PA, Purser JL, Light KE. Limb Trajectory in Non-Disabled Subjects Under Two Conditions of External Constraint Compared with the Non-Paretic Limb of Subjects with Hemiparesis. Society for Neuroscience, Washington DC, November, 1993.



Light KE, Freund JE, Purser JL. Correlation of Strength to Functional Movement Speed in Elderly Subjects. Conference on Aging and Physical Activity, Virginia Beach, Virginia, October 22, 1993.

Light KE, Rehm S. The Use of Timed Functional Movements in a Geriatric Balance Clinic: Differentiation of Falls Categories and Diagnostic Groups. Combined Sections Annual Meeting of The American Physical Therapy Association, San Antonio, Texas, February 4-7, 1993.

Light KE, Rose DK. The Use of Functional Reach in a Geriatric Balance Clinic: Differentiation of falls categories and diagnostic groups. Combined Sections Annual Meeting of The American Physical Therapy Association, San Antonio, Texas, February 4-7, 1993.

Rehm S, Light KE. Intrarater and Inter-rater Reliability of Timed Functional Movements." Combined Sections Annual Meeting of The American Physical Therapy Association, San Antonio, Texas, February 4-7, 1993.

Purser JL, Giuliani CA, Genova PA, Light KE. Velocity Control of Reciprocal Arm Movements in Normal Subjects and Subjects with Unilateral Brain Lesion." Combined Sections Annual Meeting of The American Physical Therapy Association, San Antonio, Texas, February 4-7, 1993.

Light KE, Giuliani CA. Effect of Isokinetic Exercise Effort on the Arm Coordination of Spastic Hemiparetic Subjects." Combined Sections Annual Meeting of The American Physical Therapy Association, San Antonio, Texas, February 4-7, 1993.

Light KE, White JA, Riegger-Krugh C, Sekerak D, Giuliani CA. A Model for Developing a Geriatric Curriculum in Physical Therapy." Annual Conference of the American Physical Therapy Association, Cincinnati, Ohio, June 12-16, 1992.

Light KE, Tang PF, Riegger-Krugh C. Performance Differences Between Young and Elderly Females in a Step-Reach Task. XIth International Conference on Posture and Gait Research, Portland, Oregon, May 1992.

Tang PF, Light KE, Giuliani CA. Movement Patterns and Dynamic Postural Responses of Normal Young and Elderly Females for a Step-Reach Task in Two Anticipatory Conditions. Combined Sections Annual Meeting of The American Physical Therapy Association, San Francisco, California, February 1992.

Light KE, Purser JL. Motor Programming Deficits of Patients with Left versus Right CVAs. Combined Sections Annual Meeting of The American Physical Therapy Association, San Francisco, California, February 1992.

Light KE, Rose DK. Pursuit Rotor Tracking Abilities in Patients with Disequilibrium. Combined Sections Annual Meeting of The American Physical Therapy Association, San Francisco, California, February 1992.

Giuliani CA, Light KE, Purser JL. The Effects of an Isokinetic Exercise Program on the Performance of Sit-to-Stand in Patients with Hemiparesis. Combined Sections Annual Meeting of The American Physical Therapy Association, San Francisco, California, February 1992.

Rose DK, Giuliani CA, Light KE. The Immediate Effects of Isokinetic Exercise on Temporal-Distance Characteristics of Self-Selected and Fast Hemiplegic Gait. Combined Sections Annual Meeting of The American Physical Therapy Association, San Francisco, California, February 1992.

Light KE, Sloane P. Correlation of Strength and Falling in Clients with Dizziness and Disequilibrium. Gerontological Society of America Annual Scientific Meeting, San Francisco, California. November 23, 1991.

Light KE, Purser JL. Motor Programming Deficits of Patients with Left Versus Right CVAs. North Carolina Physical Therapy Association Annual Meeting, Winston-Salem, North Carolina. October 12, 1991.

Light KE, Rose DK. Pursuit Rotor Tracking Abilities in Patients with Disequilibrium. North Carolina Physical Therapy Association Annual Meeting, Winston-Salem, North Carolina. October 12, 1991.

Light KE. Dizziness and Balance Disorders in the Elderly: Effect of Predictable Versus Unpredictable Fast Responding. Combined Sections Annual Meeting of The American Physical Therapy Association, Orlando, Florida. February 1991.

Hall CD, Light KE. Heavy Resistive Exercise Effect on Reciprocal Movement Coordination of Closed-Head Injured Subjects with Spasticity. Combined Sections Annual Meeting of the American Physical Therapy Association, Orlando, Florida. February 1991.

Spirduso WW, Light KE, Reilly MA. Life Span Changes in Movement Complexity and Response Compatibility: Effects on Response Latency and Consistency. Gerontological Society of America Annual Scientific Meeting, Boston Massachusetts. November 18, 1990.

Light KE, Reilly MA, Spirduso WW. The Greater Benefits of Practice to Motor Performance and Consistency of Older Versus Younger Subjects. Combined Sections Annual Meeting of the American Physical Therapy Association, New Orleans, Louisiana. February, 1990.

Light KE, Spirduso WW. Effects of Adult Aging on the Movement Complexity Factor of Response Programming." Gerontological Society of America Annual Scientific Meeting, Minneapolis, Minnesota. November 18, 1989.

Reilly MA, Light KE. Movement Efficiency Effects of Transcranial Stimulation on a Single Subject with Cerebral Palsy." North Carolina Physical Therapy Association Annual Meeting, High Point, North Carolina and APTA Annual Meeting in Nashville, Tn. May 12, 1989 and June, 1989.

Light KE. Effects of Adult Aging on Response-Response Compatibility."NASPSPA (National Organization For Motor Behavior And Psychology) Annual Meeting, Kent State, Kent, Ohio. 1989

Light KE. Effects of Age and Practice on Movements of Varying Complexity. Fifth Annual Health Care Conference on Aging. University of Texas Medical Branch, Galveston, Texas. September, 1986.

Light KE. "Determining Age Effects in Measurement of Fractionated Reaction Time." Texas Chapter American College of Sports Medicine Annual Meeting, University of Texas-Austin, Austin, Texas. November 15, 1986.

Light KE, Nuzik S, Personius W, Barstrom A. "Low Load Prolonged vs. High Load Brief Stretch in Treatment of Knee Contractures." American Physical Therapy Association National Conference, San Diego, California. June 1982.

Light KE. "The Effect of Guided Movements and Supported Sitting Posture on Energy Expenditure of Bedridden, Mentally Senile Subjects." American Physical Therapy Association National Conference, Washington, D.C. July 2, 1981.

#### **Local Presentations as Public Service (All Invited)**

Constraint-Induced Movement Therapy: How does it Apply to Children? Florida Elks Club Therapy Services. March 2010

Staying Well and On Your Feet! National Association of Retired Federal Employees. Jan. 12, 2009.

Senior Wellness and Balance Control. Vintage View Community, Gainesville FL, Sept 2008.

How do I Avoid Falling? Bnai Israel, Gainesville FL, March 2007.

Benefits of Exercise Training for Executives. Presentation to the West Texas Chamber of Commerce Executive Association. October 19, 1982

Physiological Purpose of Exercise Activities in Geriatric Care. Presentation to Virginia Activity Coordinator's Convention, Richmond, Virginia. April, 1980.

Fitness versus Inactivity. Presentation to the Conference of Senior Citizen Clubs of Greater Metropolitan Richmond, Richmond, Virginia, 1979

### **Professional Workshops Conducted**

Constraint-Induced Movement Therapy for Stroke Rehabilitation. Numerous workshop 2009-2010.

Geriatric Gait and Balance Assessment: Interventions to Prevent Falling. 2000 -2004

Tai Chi Chuan Workshops, 1998 and 1999

Transitions to Standardized Assessments for Documentation of Outcomes. Workshop Presented with Andrea Behrman, PhD, PT to P.T.s, O.T.s and Nurses. Sponsored by Healthcare Professions Seminars. Savannah, GA, February 22-23 and Philadelphia, PA, August 16-17, 1997.

National Clinical Guidelines for Stroke Rehabilitation: The "How To" on Standardized Assessments. Workshop Presented to P.T.s and O.T.s. 1. Atlantic Beach, FL April 26-27. 2. St. Pete Beach, FL, June 26-27, 1996.

Improving Outcome Measures: Standardizing Assessments. Workshop Presented to P.T.s, O.T.s and Quality Assurance team members. Sheltering Arms Rehabilitation Hospital, Richmond Virginia, June 2, 1995.

Standardizing Functional Assessments. Workshop: Traumatic Brain Injury: Functional Assessment and Documentation; Sponsored by the University of Florida Department of Physical Therapy through a long term training grant. St Petersburg Beach, Florida, May 1995

Is Strength Training Contraindicated for Motor Coordination Post CNS Lesion? Conference: Strength Training: Issues in Addressing Fundamental Impairments in Neurologic Clients. Philadelphia, Pennsylvania, September 23-24, 1994.

The Strength/Spasticity Controversy: Implications for Skilled Movement after CNS Damage. Workshop: Traumatic Brain Injury: Limitations to Skilled Movement; Sponsored by the University of Florida Department of Physical Therapy through a long term training grant. St Petersburg Beach, Florida, May 1994

Geriatric Functional Assessment. Texas Physical Therapy Association Fall Seminar, Galveston, Texas, 1993; Baylor University Medical Center, February 1994; JFK Johnson Rehabilitation Institute, April 1994.

Refresher Course for Physical Therapists. University of Florida, Gainesville, FL. Each year 1993 to present.

Refresher Course for Physical Therapists. American Physical Therapy Association Annual Meeting, June 13, 1993.

Resistive Exercise: Indicated or Contraindicated for Clients with Neurologic Lesions. National Stroke Association and Schwabb Rehabilitation Institute, February 25, Chicago, Illinois, 1993

Application of Motor Control and Learning Principles to Clinical Practice. Virginia Physical Therapy Association Meeting, Williamsburg, Virginia, April 24-25, 1993.

Motor Control and Learning Concepts Applied to the Treatment of Neurologic Patients. AHEC Program, Hickory, North Carolina, April 7, 1992

Cognitive Issues in Physical Rehabilitation. University of Florida, Gainesville, Florida, April 4, 1992

Basic Exercise Physiology Applied to Clinical Practice. University of North Carolina Graduate Student Physical Therapy Association, UNC-CH, Chapel Hill, North Carolina, March 6-7 and March 27-28, 1992, South Carolina Physical Therapy Association, Charleston SC, May 14-15, 1993.

Neuroscience Review. University of Virginia, Charlottesville, Virginia, September 6-7, 1991.

Applied Concepts of Motor Control and Learning. Neurodevelopmental Treatment Association Annual Conference, May 4, 1991

Integrating Motor Control and Learning Concepts in Neurologic Rehabilitation, Mountain AHEC, Asheville, North Carolina, April 5, 1991

Functional Neuroscience: Update for Clinicians. Physical Therapy Division, Department of Medical Allied Health Professions, UNC-CH, March 1-2, 1991.

Application of Motor Control and Learning Concepts to Neurologic Rehabilitation, AHEC Program, Chapel Hill, North Carolina, December 3, 1990

Treatment Principles for Neurologic Rehabilitation, Utilizing Motor Control and Learning Concepts. Sheltering Arms Rehabilitation Center, Richmond, Virginia, June 15-16, 1990

Integrating Motor Control and Learning Concepts in Neurologic Rehabilitation. South Carolina American Physical Therapy Association Annual Conference, Myrtle Beach, South Carolina, April 28, 1990

Rehabilitation of the CVA Patient. Charlotte Area Health Education Center, Charlotte, North Carolina. June 22-23, 1989.

Current Trends in Pulmonary Rehabilitation. Presenter/Panel Participant, American Heart Association, San Antonio, Texas, February 10, 1984.

Basic Clinical Exercise Physiology. Presenter, Central District Physical Therapy Association, San Antonio, Texas, August 25-26, 1984

A Review of Neurophysiological Approaches to Therapeutic Exercise for the Physical Therapy Assistant. Texas Physical Therapy Fall Seminar, San Antonio, Texas, September 25, 1982.

Preventive Back Care Workshop. Chesterfield County Nursing Home, Chesterfield, Virginia (3 Workshops, 8 hours each) - May 1981.

## **HONORS AND AWARDS:**

2008. Research poster selected for the President's Session at the American Geriatrics Society Meeting. Dynamic Gait Index and Parkinson's Disease. May, 2008, Washington, D. C.

2003. Award for the Best Research Paper in 2002 from the Geriatrics Section of the American Physical Therapy Association for the paper: Sicard-Rosenbaum L, **Light KE**, Behrman AL. "Gait, Lower Extremity Strength and Self-Assessed Function After Hip Arthroplasty". Journal of Gerontology: Medical Sciences. 57(1): M47-M51, 2002.

2003. 1<sup>st</sup> Place Poster Presentation at the World Physical Therapy Conference for Northern America Region. Barcelona, Spain 2003. Chiu Y, Fritz SL, Kornetti D, Velozo C, **Light KE**. Item Analysis of the Dynamic Gait Index in Community Dwelling Older Adults.

My two graduate students separately won the two student research awards offered by the University of Florida College of Health Professions, \$500 each award, 1997. Research Project titles:

Thigpen,MT, **Light KE**, Creel, GL, Flynn SM. Characteristics of Difficulty Turning While Walking in Older Adults.

Flynn,SM, Behrman, AL, Thigpen MT, **Light, KE**. Is the Timed Up and Go Test an Effective Measure of Functional Performance in Individuals with Parkinson's Disease?

Nominated for Teaching Excellence Award at the University of Florida, 1996,1997,1998

Miller, GJT, **Light, KE**, Kellogg, R.. University of Florida, College of Health Professions Faculty Research Award, 1995, Title of Research Project: Strength Training in Spastic Hemiparesis: Should It be Avoided?.

First Author Awardee. University of Florida, College of Health Professions Faculty Research Award, 1994, Title of Research Project: Correlation of Strength and Timed Functional Movements in Geriatric Clients. \$2000

American Physical Therapy Association Neurology Section Research Award, February, 1992, \$1000.

University of North Carolina at Chapel Hill Junior Faculty Research Development Award, October 1991, \$3,000.

University of North Carolina at Chapel Hill, Department of Medical Allied Health Outstanding Scholar Award for 1991, \$1,000.

President's Teaching Excellence Award, University of Texas Health Science Center- San Antonio, Texas, 1985.

Best Clinical Research Paper, Virginia Physical Therapy Association Convention, 1982. "Low Load Prolonged vs. High Load Brief Stretch in the Treatment of Knee Contractures."

Adjunct Faculty Appointment to Physical Therapy Faculty, Medical College of Virginia-Virginia Commonwealth University, August 1980. (Appointment awarded in appreciation for work with Masters Degree students in Geriatric Track and for working with "special problem students" in the undergraduate program.

Kappa Delta Pi Educational Honor Society

Phi Kappa Phi International Honor Society

Tri Delta Honor Society

The employment history information of a trading community member. For example, John Doe was a Vice President at Business World from 2001 to 2007 and President at World of Business from 2007 to 2009. QName:

{<http://xmlns.oracle.com/apps/cdm/foundation/parties/personService/>}EmploymentHistory. Request Employment History from Social Security. You can receive a statement of your employment history from the Social Security Administration (SSA) by completing a "Request for Social Security Earnings Information" form. You can also reconstruct your employment history by contacting the human resources department of any of your former employers, if you're not certain about your start and end dates of employment.