

CURRICULUM VITAE

PERSONAL INFORMATION

Orit Shechtman, Ph.D., OTR/L
Department of Occupational Therapy
Box 100164
University of Florida
Gainesville, FL 32601
Phone: (352) 273-6817
Fax: (352) 273-6042
E-mail: oshechtm@hp.ufl.edu

EDUCATION

Undergraduate:	Wingate Institute, Israel B.A. Equivalent & Teaching Certificate in Physical Education	1975-78
Graduate:	Indiana University M.S. in Human Performance	1982-84
	Indiana University Ph.D. in Exercise Physiology Minor in Endocrinology	1984-88
	University of Florida Masters of Health Science in Occupational Therapy	1993-95

PROFESSIONAL EXPERIENCE

Associate Professor, Department of Occupational therapy, College of Health Professions, University of Florida, Gainesville, FL 32610, July, 2003 to present.

Assistant Professor, Department of Occupational therapy, College of Health Professions, University of Florida, Gainesville, FL 32610, December 1995 to June, 2003.

Teaching Assistant and post-baccalaureate student, Department of Occupational Therapy, College of Health-Related Professions, University of Florida, Gainesville, FL 32610, August 1993 to December 1995.

Visiting Associate Scientist, Laboratory of Behavioral Sciences, National Institute on Aging, National Institute of Health, Gerontology Research Center, 4940 Eastern Ave., Baltimore, MD 21224. January, 1992 to July 1993.

Post-Doctoral Research Associate, Dept. of Pharmacodynamics, College of Pharmacy, University of Florida, Gainesville, FL 32610. July, 1990 to January, 1992.

Post-Doctoral Research Associate, Physiology Department, College of Medicine, University of Florida, Gainesville, FL 32610. July 1988 to June 1990.

Associate Instructor, Physical Education Department, Indiana University. Teaching Exercise Physiology Laboratory, coordinating the five Lab sections, revising the Student's Lab Manual, and writing an Instructor's Manual for the course. Sept. 1986 to May 1988.

Associate Instructor, Physical Education Department, Indiana University. Teaching Basic Exercise Physiology Laboratory. September 1985 to June 1986.

Visiting Lecturer, Physical Education Department, Indiana University. Teaching Conditioning and Fitness lectures to 400 students and coordinating the Conditioning Labs for ten Associate Instructors. Writing the Instructor's Manual for the course. September 1984 to May 1985.

Associate Instructor, Physical Education Department, Indiana University. Teaching activity classes such as Racquetball, Self Defense and Bowling. September 1983 to June 1984.

Adult Fitness Instructor, City of Petach Tikva, Israel. Exercise prescription, and instruction of Adult Fitness. 1980-1981.

Volleyball Coach, High School and Club Sports, Petach Tikva and Tel-Aviv, Israel. 1975-1978 and 1980-1981.

SERVICE AND PROFESSIONAL COMMITTEES:

National:

- Editorial Board, the Occupational Therapy Journal of Research, 1999-present.
- Editorial Board, the Journal of Hand Therapy, 2002-present.
- Reviewer for the Journal of Aging and Physical Activity, 2006-present
- Reviewer for the Journal of Traffic Injury Prevention, 2006-present
- Reviewer for the Archives of Physical Medicine and Rehabilitation, 1999-present.
- Reviewer for the American Journal of Physical Medicine and Rehabilitation, 2002-present.
- Reviewer for the Journal of Hand Therapy, 2000-2002.

University of Florida:

- University of Florida Faculty Senate, elected member from the College of Public Health and Health Professions, 2005-present.
- Equity and Diversity Advisory Board for the Health Science Center, invited member representing the College of Public Health and Health Professions. October 2007-present.
- Co-chair, Shared Governance Leadership Committee, College of Public Health and Health Professions. January, 2007 - present.

- Faculty Advisory Group, College of Public Health and Health Professions, September, 2006.
- Faculty advisor of The Health Professions College Council (CC), August 2006 – present.
- Faculty advisor of the Health Profession Student Organization (HSSO), August 2006 – present.
- Marshall of Graduation, University of Florida, College of Public Health and Health Professions May, 2006.
- Chairperson, Faculty Search Committee, Department of Occupational Therapy, College of Public Health and Health Professions, University of Florida, 2003-present.
- Chairperson, Cultural Enrichment Committee, College of Public Health and Health Professions, 2003-2004.
- Member, Student Admissions committee, Department of Occupational Therapy, University of Florida, 2003-present.
- Member, Academic Performance Committee, Department of Occupational Therapy, University of Florida, 2000-present.
- Member, Movement Dysfunction Committee, Rehabilitation Sciences Doctoral Program, College of Health Professions, University of Florida, 2000-present.
- Marshall of Graduation, University of Florida, 1999-2001.
- Research Coordinator, Department of Occupational Therapy, University of Florida, 1996 - 2000.
- Chairperson, the Alice C. Jantzen Research Symposium Committee, The Department of Occupational Therapy, University of Florida, 1999-2000.
- Faculty Coordinator, Intelicus/University of Florida Functional Capacity Evaluation Program, the College of Health Professions, University of Florida, 1999.
- Faculty representative to the Staff Strategic Plan Committee, Department of Occupational Therapy, University of Florida, 1999.
- Member, the Alice C. Jantzen Research Symposium Committee, The Department of Occupational Therapy, University of Florida, 1997-1999.
- Chairperson, Faculty Search Committee, The Department of Occupational Therapy, University of Florida, 1997-1998.
- Coordinator, the Hollis Sammon's Award for Research Papers, The Department of Occupational Therapy, University of Florida, 1996-1997.

- Member, Interdisciplinary Research Forum Committee, the College of Health Professions, University of Florida, 1998-99.
- Member, the University of Florida Committee on Gay, Lesbian, and Bisexual Concerns, 1997-present
- Member, Incentive Fund Research Development Award Committee, the College of Health Professions, University of Florida, 1997-98.
- Research mentor, the Ronald E. McNair Post-Baccalaureate Achievement Program, University of Florida, 1996-1998
- Mentor, the University Minority Mentor Program, University of Florida, 1996-1998
- Mentor for Friends of Lesbians, Gays and Bisexuals, University of Florida, 1996-present
- Member, the Shands Hospital Ergonomics committee, Gainesville, FL 1996-1998
- Member, Search Committee for Chairperson of the Department of Occupational Therapy, the College of Health Professions, University of Florida, 1996.
- Member, Department of Occupational Therapy Faculty and Staff Recognitions Committee, University of Florida, 1996

MEMBERSHIPS

The American Society of Hand Therapists (ASHT), 1999-present

The American Occupational Therapy Association (AOTA), 1995-present

The Florida Chapter of AOTA (FOTA), 1997-present

The American Physiological Society (APS), 1989-1993

Sigma Xi, The Scientific Research Society, 1988-1991

The American College of Sports Medicine (ACSM), 1984-1990

AWARDS

The 2005-2006 Most Outstanding Faculty Member, Bachelor of Health Science Program, College of Public Health and Health Professions, University of Florida

The 2005-2006 Teacher of the Year Award, College of Public Health and Health Professions, University of Florida

The 2005 Golden Apple Award for Excellence in Occupational Therapy Education from the University of Florida's Student Occupational Therapy Association

The University of Florida Faculty Development Program: The Laptop Computer Program, Office of Instructional Resources: A Dell Laptop Computer and Training Courses, 2000-2001.

The University of Florida's Health Science Center, 1999-2000 Division Superior Accomplishment Award

The Women's Interest Student Association: Women at the University of Florida 1999-2000 Calendar

The 1997-98 University of Florida Teacher of the Year Award

The College of Health Professions 1997-98 Teacher of the Year Award

Research Assistantship, Indiana University Medical Sciences Program and Biology Department, Summer 1987.

TEACHING EXPERIENCE

Musculoskeletal Anatomy, Department of Occupational Therapy and Bachelor in Health Science Program, College of Health Professions, University of Florida, 1993-present.

Nervous System and Disorders, Department of Occupational Therapy and Bachelor in Health Science Program, College of Health Professions, University of Florida, 1996-present.

Pathophysiology for Rehabilitation, Bachelor in Health Science Program, College of Health Professions, University of Florida, 2003-present.

Musculoskeletal Disorders of the Upper Extremity, the Rehabilitation Science Doctorate Program, College of Health Professions, University of Florida, 2002-present.

Applied Research in Occupational Therapy, Department of Occupational Therapy, University of Florida, 1996-present.

Individual Work in Occupational Therapy, Department of Occupational Therapy, University of Florida, 1996-present.

Research Project Supervision, Department of Occupational Therapy, University of Florida, 1996-present.

Applied Kinesiology, Department of Occupational Therapy, University of Florida, 1995-1998.

Exercise Physiology Lab, Physical Education Department, Indiana University, 1985-1988.

Conditioning and Fitness, Physical Education Department, Indiana University, 1985-1986.

GRANTS

DOD W81XWH-07-PTSD-IIRA-INT (PI - Classen) Driving Safety among Service Members with Traumatic Brain Injury To assess the driving performance of military personnel with TBI, to provide recommendations / remediation / counseling for alternative transportation options and

to evaluate, one year post baseline, safe driving performance, community integration and life satisfaction. Submitted 10/01/2007 Direct Costs: \$ 949, 357.15; Role: Co-investigator (10%).

PHHP College Model Program Demonstration Projects Funding: “Identifying Critical Driving Errors from the Florida Traffic Crash Records Database to Inform Occupational Therapy Driving Practice.” PI, January 2008-2009, \$20,000.

University of Florida’s Age Network Multidisciplinary Research Enhancement Funding: “Medications and Older Drivers in Florida.” PI - Sherrilene Classen;. April 2007-April 2008; Co-Investigator, \$5,500

The American Society of Hand Therapist’ Evelyn Mackin Research Grant: “Using the force-time curve to identify maximal versus submaximal efforts in people with cumulative trauma disorders”. September 2006 – September 2007; PI, \$5,000.

U.S. Department of Transportation Federal Highway Administration (FHWA): “Older Driver Infrastructure Research Project.” Project #: DOT DTFH61-03-H-00138. August 2003-September 2005; PI \$280, 000.00

MD Systems, Inc, CardioGrip® Products: “Reliability, validity and norms for the DynEx™ electronic hand dynamometer”. January, 2003 – January, 2004; PI, \$6,000.

The Research Opportunity Fund of The University of Florida “Identifying the level of effort during grip strength testing”, May 1, 2002 – April 30, 2003; PI, \$30,000.

The Baltimore Therapeutic Equipment Company “Using the torque-velocity test of the BTE-Primus to measure sincerity of effort of elbow flexion”. April 2002 - March 2003; PI, \$5,000.

The American Hand Therapy Foundation’s Annual Research Grant: The 2001 Dr. William Burkhalter Memorial Research Award: “Using the force-velocity test to measure sincerity of effort”. January, 2001 – January, 2002; PI, \$3000.00

The Shands Hospital Occupational Therapy Small Grants Fund: “Evaluation of the Shands Ergonomics Program”. June 1997 - May 1998; Co-PI, \$ 8100.00

The Shands Hospital Occupational Therapy Small Grants Fund: “Serial Casting of Digital Flexion Contractures in children with Juvenile Rheumatoid Arthritis”. June 1997 - May 1998; PI, \$ 4875.00

The American Heart Association, Florida Affiliate, Post-Doctoral Fellowship, \$21,000.00; July 1989 - June 1990.

The School of Health, Physical Education and Recreation Research Council, Student Research Fund, \$100.00 Indiana University, March 1988.

Graduate School's Grant-in-Aid of Research for Doctoral Dissertation, \$500.00 Indiana University, October 1987.

OTHER SUPPORT

Thought Technology Ltd.: "Using the force-time curve to identify maximal versus submaximal efforts in people with cumulative trauma disorders"; Loan of the FlexComp Infiniti with BioGraph Infiniti v3.0 Software September 2006; PI, \$7,500.

The 2005-2006 Research Grant/Mentorship Opportunity Program, presented by the Graduate Student Council, University of Florida. Given to my doctoral student Bhagwant Sindhu for the project "Use of the force-time curves and SEMG to detect sincerity of effort in patients with upper extremity musculoskeletal disorders and injuries"; Spring 2006; \$300.

The Baltimore Therapeutic Equipment Co.: "Using the BTE to Measure Grip and Wrist Strength in Wheelchair Users". Loan of the BTE-Primus (\$45,000.00), July, 1999.

REFEREED PUBLICATIONS

Classen, S., **Shechtman, O.**, Stephens, B., Davis, E., Justiss, M., McCarthy, D., & Mann, W. The impact of roadway intersection design of young and senior adults' driving performance in the recovery phase. Manuscript submitted on 01/20/08 to *The Occupational Therapy Journal of Research: Occupation, Participation and Health*

Classen, S., Horgas, A., Awadzi, K., Messinger-Rapport, B.M., **Shechtman, O.**, & Joo, Y. Clinical predictors of older driver performance on a standardized road test. *Traffic Injury Prevention*. (Manuscript accepted on 05/08/2008; Revised manuscript submitted 06/09/08).

Shechtman, O., Goodall, S.K. The Administration and Interpretation of the Rapid Exchange Grip Test: A National Survey. *Journal of Hand Therapy*, 21(1): 18-27, 2008.

Shechtman, O., Hope, L., Sindhu, B. (2007). Evaluation of the Torque-Velocity Test of the BTE-Primus as a Measure of Sincerity of Effort of Grip Strength. *Journal of Hand Therapy*, 20(4): 326-335, 2007.

Frease, L., Walker, K. Shechtman, O. Interrater reliability of the GREAT postural rating scale for therapeutic riding; 76-88, 2007. In: Engel, B.T. & MacKinnon, J.R. (editors): *Enhancing Human Occupation Through Hippotherapy*; AOTA press; Bethesda, MD, 2007.

Shechtman, O., Sindhu, B., Davenport P (2007). Using the Force-Time Curve to Detect Maximal Grip Strength Effort. *Journal of Hand Therapy*, 19(1): 37-48, 2007.

Shechtman, O., Classen, S., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., & Mann, W. The impact of intersection design on simulated driving performance of young and senior adults. *Traffic Injury Prevention*, 8, 1-18, 2007.

Classen, S., **Shechtman, O.**, Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., McCarthy, D., & Mann, W. The impact of roadway intersection design on driving performance of young and senior adults. *Traffic Injury Prevention*, 8, 1-10, 2007.

Shechtman, O., Anton, S., Kanasky, W. F., Robinson, M.E. The Use of the Coefficient of Variation in Detecting Sincerity of Effort: a Meta-analysis. *Work*, 26(4):335-341, 2006.

Malcolm, M.P., Triggs, W.J., Light, K.E., **Shechtman, O.**, Khandekar, G., Gonzalez Rothi, L.G. Reliability of Motor Cortex Transcranial Magnetic Stimulation in Four Muscle Representations. *Clinical Neurophysiology* 117: 1037-1046, 2006

Shechtman, O., Classen, S., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., Mann, W. The Impact of Intersection Design on Simulated Driving Performance of Young and Senior Adults: Preliminary Results. *Topics in Geriatric Rehabilitation*, 22: 1, 27–35, 2006.

Classen, S., **Shechtman, O.**, Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., Mann, W. The Impact of Intersection Design on Simulated Driving Performance of Young and Senior Adults: Preliminary Results. *Topics in Geriatric Rehabilitation*, 22: 1, 18-26, 2006.

Stephens, B.W., McCarthy, D., Marsiske, M., **Shechtman, O.**, Classen, S., Justiss, M. and Mann, W.C. International Older Driver Consensus Conference on Assessment, Remediation and Counseling for Transportation Alternatives Summary and Recommendations. *Physical and Occupational Therapy in Geriatrics*, 23:103-121, 2005

Shechtman, O., Gestewitz, L., Kimble, C. Reliability and Validity of the DynEx Dynamometer. *Journal of Hand Therapy*, 18(3): 339-347, 2005.

Shechtman, O., Gutierrez, Z., Kokendofer, E. Analysis of methods used to detect submaximal effort with the five-rung grip strength test. *Journal of Hand Therapy*, 18(1): 10-18, 2005.

Shechtman, O., Mann, W., Tomita, M., Justiss, M. Grip strength in the frail elderly. *The American Journal of Physical Medicine and Rehabilitation*, 83(11): 819-826, 2004.

Gutierrez, Z., Shechtman, O. The effectiveness of the five-handle position grip strength test in detecting sincerity of effort in men and women. *American Journal of Physical Medicine and Rehabilitation*, 82:847-855, 2003.

Shechtman, O., Locklear, C. Moore, L., Hanson, C. The relationships between function, pain, and muscle strength in wheelchair users. *Occupational Therapy in Health Care*, 17 (1): 5-21, 2003.

Shechtman, O., Davenport, R., Malcolm, M., Nabavi, D. Reliability and validity of the BTE-Primus grip tool. *The Journal of Hand Therapy*, 16(1):36-42, 2003.

Brunt D, Greenberg B, Wankadia S, Trimble MA, Shechtman O. The effect of foot placement on sit-to-stand in healthy young subjects and patients with hemiplegia. *Archives of Physical Medicine and Rehabilitation*, 83(7):924-929, 2002.

Shechtman, O., Taylor, C. How do therapists administer the rapid exchange grip test? A survey. *The Journal of Hand Therapy*, 15(1):53-61, 2002.

Hanson, CS., Shechtman, O., & Gardner-Smith, P. Ergonomics in a hospital and a university setting: The effect of worksite analysis on upper extremity work-related musculoskeletal disorders. *Work*, 16(3):185-200, 2001.

Shechtman, O., Moore, L., Locklear, C. Using the BTE-Primus to measure grip strength in physically active wheelchair users: an exploratory study. *The American Journal of Occupational Therapy*, 55(4): 393-400; 2001.

Shechtman, O. The coefficient of variation as a measure of sincerity of effort of grip strength. Part 1: The statistical principle. *The Journal of Hand Therapy*, 14(3):180-187, 2001.

Shechtman, O. The coefficient of variation as a measure of sincerity of effort of grip strength. Part 2: Sensitivity and specificity. *The Journal of Hand Therapy*, 14(3):188-194, 2001.

Shechtman, O., Hanson, C.S., Garrett, D., Dunn, P. Comparison of wheelchair cushions for effectiveness of pressure relief. *The Occupational Therapy Journal of Research*, 21(1): 29-48, 2001.

Taylor, C. & Shechtman, O. The use of the rapid exchange grip test in detecting sincerity of effort. Part I: The administration of the Rapid Exchange Grip Test. *The Journal of Hand Therapy*, 2000; 13:195-202.

Shechtman, O. & Taylor, C. The use of the rapid exchange grip test in detecting sincerity of effort. Part II: The validity of the rapid exchange grip test. *The Journal of Hand Therapy*, 2000; 13:203-210.

Venable, E., Hanson, C., Shechtman, O., & Dasler, P. The effects of exercise on occupational functioning in the well elderly. *Physical and Occupational Therapy in Geriatrics*, 2000; 17(4):29-42.

Wickham, S.E., Hanson, C.S., Shechtman, O., Ashton, C. Attitudes toward leisure and leisure motivation in adults with spinal cord injury. *Occupational Therapy in Health Care*, 2000; 12(4):33-50.

Shechtman, O. Using the coefficient of variation to detect sincerity of effort of grip strength: A literature review. *The Journal of Hand Therapy*, 13(1):25-32, 2000.

Shechtman, O. Is the coefficient of variation a valid measure for detecting sincerity of effort of grip strength? *Work*, 13(2):163-169, 1999.

Shechtman, O., Zhongjie, S., Fregly, M.J., & Katovich, M.J. Increased tail artery vascular responsiveness to angiotensin II in cold-treated rats. *Canadian Journal of Physiology and Pharmacology*, 77 (12):974-979, 1999.

Hanson, C. S., Shechtman, O., Foss, J.J. Future practice and training issues in the treatment of cognitive dysfunction in occupational therapy. *NeuroRehabilitation*, 8, 31-41, 1997.

Scahfer, V.A., Talan, M.I., Shechtman, O. The effect of exercise training on cold tolerance in adult and old C57BL/6J mice. *Journals of Gerontology Series A - Biological Sciences and Medical Sciences*, 51(1):B38-42, 1996.

Fregly, M.J., Shechtman, O., Rowland, N.E. Increased dipsogenic responsiveness to angiotensin II in rats exposed to cold: rate of loss after return to thermoneutral ambient

temperature. *Proceedings of the Society for Experimental Biology and Medicine*, 209(1):54-59, 1995.

Shechtman, O., Talan, M.I. Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice. *Journal of Applied Physiology*, 77(5): 2214-2218, 1994.

Fregly, M.J., Shechtman, O. Direct blood-pressure measurements in rats during abrupt exposure to, and removal from, cold-air. *Proceedings of the Society for Experimental Biology and Medicine*. 205(2):119-123, 1994.

Shechtman, O., Katovich, M.J. Sex-differences in vascular reactivity to adrenergic agents in the rat. *Comparative Biochemistry and Physiology A - Physiology*, 106(3):519-524, 1993

Van Bergen, P., Fregly, M.J., Rossi, F., & Shechtman, O. The effect of intermittent exposure to cold on the development of hypertension in the rat. *The American Journal of Hypertension*, 5(8):548-555, 1992.

Katovich, M.J., Pitman D., & Shechtman, O. Role of the adrenal gland in the thermal response to morphine withdrawal in rats. *The Canadian Journal of Physiology and Pharmacology*, 70(8):1090-1095, 1992.

Fregly, M.J., Shechtman, O., Van Bergen, P., Reeber C. and Papanek, P.E. Changes in blood pressure and dipsogenic responsiveness to angiotensin II during chronic exposure of rats to cold. *Pharmacology Biochemistry and Behavior*, 38:837-842, 1991.

Shechtman, O., Fregly, M.J., Van Bergen, P. Papanek, P.E. Prevention of cold-induced increase in blood pressure of rats by captopril. *Hypertension*, 17:763-770, 1991.

Shechtman, O., Papanek, P.E., & Fregly, M.J. Factors affecting cold-induced hypertension in rats. *Proc. Soc. Exper. Biol.*, 195:364-368, 1990.

Shechtman, O., Papanek, P.E. & Fregly, M.J. Reversibility of Cold-Induced Hypertension After Removal of Rats From Cold. *The Canadian Journal of Physiology and Pharmacology*, 68:830-835, 1990.

BOOK CHAPTERS

Katovich, M.J., Shechtman, O., & Hanley, K. Role of calcium in an animal model for the hot flush. In: Lomax & Schonbaum (eds.) *Thermoregulation: The Pathophysiological Basis of Clinical Disorders*, Karger, Basel 1992.

OTHER PUBLICATIONS

Shechtman, O. Book review (Portney L.G. and Watkins M.P. *Foundations of Clinical Research: Applications to Practice*; 2nd edition. Upper Saddle River, NJ: Prentice Hall, 2000). *Journal of Hand Therapy*, 14(3):221, 2001.

Shechtman, O. Readers Write: Response to readers' questions. *The Journal of Hand Therapy*, 15(3): 301-302, 2002.

ABSTRACTS

Shechtman, O., Hope, L. M., & Sindhu, B. S. (2006). Using the Torque-Velocity Test of the BTE-Primus to Measure Sincerity of Effort of Grip Strength. *Journal of Hand Therapy*, 19(4), 440-441.

Shechtman, O. Additional empirical evidence against using the coefficient of variation as a measure of sincerity of effort of grip strength. *Journal of Hand Therapy*, 14(3):233-234, 2001.

Fregly, M.J., Shechtman, O., Vanbergen, P., Reeber, C., Papanek, P.E. changes in blood-pressure and dipsogenic responsiveness to angiotensin-II during chronic exposure of rats to cold. *FASEB Journal*, 5(4):A394, 1991.

Shechtman, O., Katovich, M.J., Vanbergen, P. Vascular reactivity in the cold-induced hypertensive rat. *FASEB Journal*, 5 (4):A852, 1991.

Shechtman, O., Elizondo, R.S., Taylor, M.W. Acute exercise and passive hyperthermia augment interferon gamma induction. *FASEB Journal*, 2(4):A521, 1988.

PRESENTATIONS

Tuckey, L.E., Sindhu, B. S., **Shechtman, O.** Validity of the digital visual analog scale in upper extremity pain ratings. Poster presented at the College of Public Health and Health Professions 21st Annual Research Fair, University of Florida, Gainesville, FL, April 4, 2008.

Parker, K., Awadzi, K.D., **Shechtman, O.** The use of the extended receiving lane by younger and older drivers during simulated driving. Poster presented at the College of Public Health and Health Professions 21st Annual Research Fair, University of Florida, Gainesville, FL, April 4, 2008.

Classen, S., Horgas, A., Awadzi, K.D., Messinger-Rappart, B.J., Joo, Y., **Shechtman, O.** Clinical Predictors of Failing a Standardized Road Test. Poster presented (Poster C127) at the American Geriatrics Society Annual Scientific Meeting. April 30-May 4, 2008: Washington, DC.

Shechtman, O., Woodbury M., Day T., Slattery, J. The Complete Shoulder: From the Anatomy Lab to the Neuro and Ortho Clinics. Continuing education course, University of Florida, Gainesville, FL, March 6-9, 2008.

Classen, S., Horgas, A., Messinger-Rappart, B.M., **Shechtman, O.**, Awadzi, K.D., & Joo, Y. Medications as predictors of driving performance. Paper accepted for presentation at the International Conference on Aging, Disability and Independence. February 20-23, 2008, St. Petersburg, FL.

Shechtman, O. Identifying full versus low grip strength effort. Invited presentation at the American Society for Surgery of the Hand: Electives in Hand surgery meeting; February 9, 2008; New Orleans, LA.

Shechtman O, Sindhu BS, Davenport PW. Using the "Visual Target Grip Test" to identify the level of effort during grip strength. Paper presented at: ASHT'S 30TH Annual Meeting; October 4-7, 2007, 2007; Phoenix, AZ.

Sindhu, B. S., **Shechtman, O.**, Davenport, P. W. Identifying submaximal effort during grip strength testing. Paper presented at the College of Public Health and Health Professions 20th Annual Research Fair, University of Florida, Gainesville, FL, April 12, 2007.

Classen, S., **Shechtman, O**; Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., McCarthy, D., Mann, W. The Impact of Roadway Intersection Design on Driving Performance of Young and Senior Adults. Poster presentation at the Gerontological Society of America's 59th Annual Scientific Meeting Dallas, TX, November 16-23, 2006.

O. Shechtman. Simulated driving performance of young and senior adults in improved intersections. Invited lecture at the Transportation Research Center, University of Florida; November 14, 2006.

O. Shechtman, S. Classen, B. Stephens, E. Davis, R. Bendixen, P. Belchior, M. Sandhu, D. McCarthy, and W. Mann. The impact of intersection design on simulated driving performance of young and senior adults. 4th Annual STISIM Drive User Group Meeting: New Approaches to Simulation and the Older Operator, Boston, MA, October 27, 2006.

Shechtman, O., Hope, L., Sindhu B.S. Using the Torque-Velocity Test of the BTE-Primus to Measure Sincerity of Effort of Grip Strength. American Society of Hand Therapists 28th Annual Meeting, Atlanta, GA, September 15, 2006.

Shechtman, O. 60 Pearls in 60 Minutes: Research Tips and Tricks. The "Measurement Research" part of a panel. American Society of Hand Therapists 28th Annual Meeting, Atlanta, GA, September 16, 2006.

Shechtman, O. Anatomy review. Invited Presentation to the Gainesville Hand Therapy Club, April 5, 2006.

Shechtman, O., Classen, S. The Impact of Intersection Design on Simulated Driving Performance of Young and Senior Adults: Preliminary Results. ICAIDI, St. Petersburg, FL, February 4, 2006.

Classen, S., Shechtman, O. The Impact of Intersection Design on Driving Performance of Young and Senior Adults: Preliminary Results. ICAIDI, St. Petersburg, FL, February 3, 2006.

Shechtman, O. "Sincerity of effort". Invited presentation. Israel Society for Surgery of the Hand Annual Meeting. Tel Aviv, Israel, December 22, 2005.

Shechtman, O. "Grip strength measurements and sincerity of effort". Invited presentation. The Chaim Sheba Medical Center, Affiliated to the Tel-Aviv University Sackler School of Medicine, Tel-Hashomer, Israel, December 20, 2005.

Shechtman, O., Sindhu B.S., Davenport, P. Using the Force-Time Curve to Detect Submaximal Grip Strength Effort. American Society of Hand Therapists 28th Annual Meeting, San Antonio, TX, September 22, 2005.

Shechtman, O., Goodall, S.K. A National Survey of Therapists on the Administration and Interpretation of the Rapid Exchange Grip Test. American Society of Hand Therapists 28th Annual Meeting, San Antonio, TX, September 22, 2005.

Shechtman, O., Holt, K.D. Test-retest Reliability of Isometric Elbow Flexion Using the BTE-Primus; a poster presentation. American Society of Hand Therapists 28th Annual Meeting, San Antonio, TX, September 22, 2005.

Shechtman, O. Tendons: Structure, Pathophysiology, and Healing (instructional presentation). American Society of Hand Therapists 27th Annual Meeting, Charlotte, NC, October 24, 2004.

Shechtman, O. Reliability and validity of the DynEx dynamometer. American Society of Hand Therapists 27th Annual Meeting, Charlotte, NC, October 22, 2004.

Shechtman, O. Methods used to detect submaximal effort with the five-rung grip strength test. American Society of Hand Therapists 27th Annual Meeting, Charlotte, NC, October 22, 2004.

Shechtman, O., Aaron, D. Nerves and Tendons: from basic science to clinical management. A continuing education workshop. Gainesville, FL, July 30-31, 2004.

Sindhu B.S., Shechtman, O., Davenport, P. The use of the force-time curve to distinguish between sincere and insincere grip strength efforts. A poster presentation. The American Occupational Therapy Association (AOTA) 84th Annual Conference. Minneapolis, MN, May 22, 2004.

Sindhu B.S., Shechtman, O., Davenport, P. Identification of force-time curve characteristics associated with insincere grip effort. The College of Public Health and Health Professions Research Day. April, 2004.

Shechtman, O. "Peripheral injuries: science, physiology and pathology". Invited presentation. Texas Woman's University and the American Society for Hand Therapists: 1st annual Hand Conference and Research Seminar. March 6, 2004.

Shechtman, O.; Aaron, D. "Tendons from basic science to clinical management". Invited presentation for the Occupational Therapy Association of California (OTAC) Annual Conference. Sacramento, CA; November 8, 2003.

Sindhu, B., Shechtman, O., Davenport, P. "Measurement of sincerity of effort in grip strength tests: instrumentation to improve outcome of work related musculoskeletal disorder rehabilitation". The 26th International Conference on Technology & Disability: Research, Design, Practice, & Policy of the Rehabilitation Engineering And Assistive Technology Society Of North America (RESNA) Atlanta, GA; June 22, 2003.

Shechtman, O., Aaron, D. Advanced Course in Hand Rehabilitation. Invited workshop presentations for the Israeli Society of Occupational Therapy. Tel Aviv, Israel; December 23-25, 2002.

Shechtman, O. The motor unit: a connection between the central and peripheral nervous systems. Invited Presentation, Neuroscience of Human Occupation Course, University of Florida Distance Learning Master's Program in Occupational Therapy, September 27, 2002.

Shechtman, O., Mann, W.C., Tomita, M. Grip strength in the frail elderly. The 13th World Federation of Occupational Therapists (WFOT) World Congress, Stockholm, Sweden, June 26, 2002.

Shechtman, O. Strength and function in people with syringomyelia after neural transplantation. The American Occupational Therapy Association (AOTA) Annual Conference. Miami, FL, May 4, 2002.

Shechtman, O, Taylor, C. How do therapists administer the rapid exchange grip test? A survey. American Society of Hand Therapists 24th Annual Meeting, Nashville, TN, October 5, 2001.

Shechtman, O. Normative study of grip strength using the BTE-Primus grip tool. American Society of Hand Therapists 24th Annual Meeting, Nashville, TN, October 5, 2001.

Shechtman, O. Upper extremity anatomy review. Invited Presentation to the Gainesville Hand Therapy Club, October 30, 2001.

Shechtman, O. Understanding research in hand therapy. Invited Presentation to the Gainesville Hand Therapy Club, March 27, 2001.

Shechtman, O. Anatomy review of the upper quadrant. Invited Presentation to the Gainesville Hand Therapy Club, November 2, 2000.

Shechtman, O. Additional empirical evidence against using the coefficient of variation as a measure of sincerity of effort of grip strength. American Society of Hand Therapists 23rd Annual Meeting, Seattle, WA, October 5, 2000.

Shechtman, O. The Rapid Exchange Grip Test as a Measure of Sincerity of Effort of Grip Strength. Invited Presentation to the VAMC-Gainesville Rehab Staff, January 27, 2000.

Shechtman, O. The Coefficient of Variation as a Measure of Sincerity of Effort of Grip Strength. Invited Presentation to the VAMC-Gainesville Rehab Staff, January 13, 2000.

Shechtman, O. Measuring Sincerity of Effort of Grip Strength. Keynote speaker at the Fourth Annual Alice C. Jantzen Symposium at the University of Florida, Gainesville, FL; December, 9, 1999.

Shechtman O. Clinician/Educator Partnership in Research. A presentation at a fieldwork educator's workshop at the University of Florida, Gainesville, FL, October 16, 1999.

Shechtman O. The Coefficient of Variation. A presentation at the Florida Hand Society Meeting, Orlando, FL, May 14, 1999.

Shechtman, O. & Hanson, C. Clinician and academician collaboration: Outcomes research in physical dysfunction. A short course presentation at the American Occupational Therapy Association Annual Meeting, Indianapolis, IN, April 16, 1999.

Shechtman, O. The use of the coefficient of variation in detecting sincerity of effort. A research poster presentation at the World Federation of Occupational Therapy 1998 Congress in Montreal, Canada, June 3, 1998.

Shechtman, O. The use of rapid exchange grip to determine sincerity of effort in patients with carpal tunnel syndrome. A research poster presentation at the American Occupational therapy Association (AOTA) Annual Meeting, Baltimore, MD April 3, 1998.

Shechtman, O. Early versus delayed mobilization after carpal tunnel release. A research poster presentation at the American Occupational therapy Association (AOTA) Annual Meeting, Orlando, FL April 13, 1997.

Shechtman, O. Cold-Induced Hypertension. A guest lecture at the Gerontology Research Center, National Institute on Aging, Baltimore, MD; October, 1991.

Shechtman, O. Vascular Reactivity to Angiotensin-II in Cold-Treated Rat. Excellence of Research Poster Competition, College of Pharmacy, University of Florida, April 16, 1991.

Shechtman, O. Exercise Augments Interleukin-2 Induction. A presentation at the American College of Sports Medicine National Convention, Dallas, May 25-28, 1988.

Shechtman, O. The Effect of Exercise on Interferon-gamma Induction. The Interagency Research Council Meeting, October 2, 1987. Purdue University, West Lafayette, Indiana.