

CURRICULUM VITAE

LELIA BARKS, PhD, ARNP

HSR&D/RR&D Center of Innovation on Disability and Rehabilitation Research VISN 8
(CIDRR8)

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EDUCATION:

- 2008-10 VA Postdoctoral Nurse Fellowship, HSR&D/RR&D Center of Excellence, Maximizing Rehabilitation Outcomes, Tampa, FL. Funded by the Veterans Administration Office of Academic Affiliations.
- 2007-08 Interprofessional Fellowship in Patient Safety, Tampa VAMC, Tampa, FL. Funded by VA Office of Academic Affiliations.
- 2002-07 PhD, College of Nursing, University of South Florida, Tampa. Biomedical Engineering cognate.
- 1979 Certificate, Pediatric Nurse Practitioner Program, University of Virginia, Charlottesville.
- 1975 Master of Nursing, University of Florida, Gainesville.
- 1971 Bachelor of Science in Nursing, University of Virginia, Charlottesville.

CREDENTIALS:

Professional Nurse licensure and Advanced Registered Nurse Practitioner certification, Florida.

Certification: Certified Developmental Disabilities Nurse, Developmental Disabilities Nurses Association, 1999-2009.

AREAS OF SPECIALIZATION: Seated posture, wheelchair design and safety, patient positioning, long term care of older adults and severely immobile persons; patient safety, human factors and health outcomes; interdisciplinary research and research translation

PROFESSIONAL EXPERIENCE:

- 2012-present Career Development Awardee and Nurse Researcher III, Veterans Administration Center of Innovation in Disabilities and Rehabilitation Research-VISN 8 (CIDRR8), Tampa, FL; Assistant Professor, (courtesy) University of South Florida College of Nursing, Tampa, FL
- 2010-2012 Health Sciences Specialist, VA HSR&D/RR&D Center of Excellence, Maximizing Rehabilitation Outcomes, Tampa, FL
- 2008-2010 Nursing Research Postdoctoral Fellow, Veterans Administration, HSR&D/RR&D Center of Excellence, "Maximizing Rehabilitation Outcomes", Tampa, FL.

2007-2008 Interprofessional Fellow in Patient Safety, Veterans Administration, James A. Haley VAMC, Tampa, FL

2003-2005 Research Associate, VISN8 Patient Safety Center of Inquiry, Tampa, FL

1993-2002 President and owner, Developmental Health, Inc., Lake Mary, Florida, a health services consulting firm.

1995-1996 Nurse Practitioner, Pediatrics Plus, Orlando, Florida

1987-1993 Vice President and Principal, Therapeutic Concepts, Inc., Winter Park, Florida, a health and human services consulting firm.
Nurse Clinical Specialist/Developmental Nursing Consultant, Therapeutic Concepts, Inc.

1984-1987 Consulting Nurse Clinical Specialist, (Independent), Sanford, Florida.

1981-1984 Clinical Associate, District VII, Diagnostic and Evaluation Team, Developmental Services, Florida Department of Health and Rehabilitative Services, Winter Park, Florida.

1980-1982 Instructor, Florida Southern College, Orlando, Florida; R.N. to Bachelor of Science in Nursing program.

1979-1980 Nurse Practitioner, Seminole County Health Department, Sanford, Florida.

1976-1978 Behavioral Instructor, Threshold, Inc., Orlando, Florida.

1975-1976 Nursing Inservice Instructor, Orlando Regional Medical Center, Orlando, Florida.

1973-1974 Charge Nurse, Pediatrics. Shands Teaching Hospital, University of Florida, Gainesville, Florida.

1972-1973 Charge Nurse, Pediatrics, University of Virginia Hospital, Charlottesville, Virginia.

1971-1972 Staff Nurse, The Fairfax Hospital, Falls Church, Virginia.

HONORS:

Dean Patricia Burns Scholarship in Nursing, University of South Florida College of Nursing, Spring, 2007

New Investigator Award, Rehabilitation Nursing Foundation, October 7, 2005

Distinguished Poster Presentation Award, University of South Florida Health Sciences Center, Research Day, February 14, 2003

Dean's First Year Fellowship for Academic Promise, University of South Florida College of Nursing, 2002-2003

Member, Sigma Theta Tau International, Nursing Honorary, 1975-present.

Fellow, American Association on Mental Retardation, 1997-2007.

RESEARCH:

Active:

2012-Present. Principal Investigator. Wheelchair Seated Posture and Health Outcomes for CLC residents, Career Development Award 2, #07646W, Rehabilitation Research and Development, VA Office of Research and Development.

2008-Present Principal Investigator. Strategic wheelchair positioning and patient outcomes in elderly veterans, 08/08-08/11. Postdoctoral fellowship study, supported by Veterans Administration Office of Academic Affairs.

2008. Co-PI (Gavin-Dreschnack, D. and Barks, L.) Assembly of evidence base; Patient

- Positioning Guideline, in Ackley, B., et al. Evidence-based nursing care guidelines: medical-surgical interventions. Philadelphia: Mosby-Elsevier.
2008. Co-PI (Gavin-Dreschnack, D., and Barks, L.) Assembly of evidence base; Wheelchair Positioning Guideline, in Ackley, B., et al., Evidence-based nursing care guidelines: medical-surgical interventions. Philadelphia, Mosby-Elsevier.
- 2005-2007. Principal Investigator. *Wheelchair Positioning and Pulmonary Function in Children with Cerebral Palsy*. Rehabilitation Nurses Foundation [\$5000].
- 2005-2006: Co-PI (D. Gavin-Dreschnack, **L. Barks**,). *Seating Is Believing*. Assembly of evidence base and dissemination project, Veterans Administration. VISN 8 Patient Safety Center, Tampa.

REFEREED PUBLICATIONS:

- Barks, L.** and Davenport, P. (2012) Wheelchair components and pulmonary function in children with cerebral palsy. *Assistive Technology: The Official Journal of RESNA* 24(2), 78-86.
- Barks, L.** and Shaw, P. (2011). Wheelchair positioning and breathing in children with cerebral palsy: study methods and lessons learned. *Rehabilitation Nursing* 36(4), 146-52 and 174.
- Barks, L. (2009)**. Wheelchair positioning and pulmonary function in children with cerebral palsy. Proceedings of the Rehabilitation Engineering Society of North America, June, 2009, New Orleans, LA.
- Graff, C., **Barks, L.**, Nehring, W., Schlaier, J., Tupper, L., & Moore, M. (2007). Nursing support and nurse staffing: guidelines to improve the health of people with intellectual and developmental disabilities. *International Journal of Nursing and Intellectual and Developmental Disabilities* 3(1). <http://journal.hsmc.org:80/ijnidd/>.
- Barks, L. (2004)**. Therapeutic positioning, wheelchair seating, and pulmonary function of children with cerebral palsy: a research synthesis. *Rehabilitation Nursing* 29(5), 146-153.
- Bray, M., Beckman, D., & **Barks, L. (1987)**. Chapters Eight, Crisis intervention for persons with severe eating difficulty, and Nine, Mealtime interventions for persons with compromised oral-motor function. In *Problems with eating: interventions for children and adults with developmental disabilities*, (monograph). American Occupational Therapy Association, Inc. Rockville, Maryland.

NON-REFEREED PUBLICATIONS:

In print:

- Barks, L.** (2010). Chapter eight, Physical care of persons with intellectual and developmental disabilities. In C. Betz and W. Nehring, Eds., *Nursing care for individuals with developmental disabilities: an integrative approach*. Baltimore: Paul H. Brookes.
- Gavin-Dreschnack, D. and **Barks, L.** (2008). Positioning Guideline, in B. Ackley; G. Ladwig; B. Swan; & S. Tucker. *Evidence-based nursing care guidelines: medical-surgical Interventions*, pp 622-626. Philadelphia: Mosby-Elsevier.

Gavin-Dreschnack, D., and **Barks, L.** (2008). Wheelchair Positioning Guideline, in B. Ackley; G. Ladwig; B. Swan; & S. Tucker. *Evidence-based nursing care guidelines: medical-surgical Interventions*, pp 626-630. Philadelphia: Mosby-Elsevier.

Barks, L. and Sheppard, J. (2005). Chapter seventeen, eating and swallowing disorders (dysphagia) in adults and children with intellectual and developmental disabilities. In Nehring, W., (Ed.), Core curriculum for nurses and health professionals specializing in developmental disabilities. Sudbury, Massachusetts: Elsevier/Jones & Bartlett.

Barks, L. and Lord, D. (2002). Oral sensitivity, dental health, and prevention. *Exceptional Parent*, 32(12), 82-83.

Lord, D., and **Barks, L.** (2002). Understanding dysphagia: a parents' guide. *Exceptional Parent* 32(10), 74-77.

Barks, L. (1994). Chapter nine, approaches to medication administration. In Roth, S., and Morse, J., (Eds.), *A life-span approach to nursing care for individuals with developmental disabilities* (pp.193-218). Baltimore, Maryland: Paul H. Brookes Publishing Company.

PRESENTATIONS:

"Measuring Posture: the Seated Posture Scale", paper presentation at International Seating Symposium, Nashville, TN, March 9, 2013.

"A New Conceptual Model for Seating with Health Outcomes". Poster presentation at Twenty-sixth International Seating Symposium, March 11, 2010, Vancouver, BC.

"Wheelchair Positioning and Breathing in Children with CP: Study Methods and Lessons Learned". Twenty-sixth International Seating Symposium, March 11, 2010, Vancouver, BC.

"Wheelchair Positioning and Pulmonary Function in Children with Cerebral Palsy". Rehabilitation Engineering Society of North America, June 16, 2009, New Orleans, LA.

"Sustainability of Interventions, Post Root Cause Analyses for Injurious Falls," poster presentation at VA National Conference on Patient Safety Research in Pittsburgh, PA, May 20-21, 2008.

"Wheelchair Seating and Pulmonary Function in Children: Pilot Study", poster presentation at Rehabilitation Nursing Foundation Research Symposium, Chicago, Illinois, October 6, 2006.

"Seating Is Believing", poster presentation at the Sixth Annual Safe Patient Handling Conference, Clearwater, Florida; February 28-March 3, 2006, and at the Veterans Health Administration Nursing Leadership Conference, Miami, Florida; April 25, 2006.

“Using The Evidence Base: Health Promotion for Individuals with Intellectual and Developmental Disabilities,” American Association on Mental Retardation, Philadelphia, Pennsylvania, June 2, 2004. Invited panel presentation.

“Wheelchair Positioning and Pulmonary Function in Children with Cerebral Palsy: A Model“. 2003. Poster presentation, University of South Florida Health Sciences Center Research Day

“Managing Health and Dysphagia. For Parents, Staff, and Professionals,” and “Inside and Outside: Severe Physical Disabilities and Physical Management,” Everyday Lives Conference, Hershey, Pennsylvania, February 22-25, 2000. Keynote and invited lecture.

Information about prior presentations available upon request.

CLINICAL AND EDUCATIONAL TOOLS DEVELOPED:

Gavin-Dreschnack, D. and **Barks, L.** (2006). *Seating is believing, a training program for Wheelchair positioning.* Veterans Administration VISN 8 Patient Safety Center, Tampa, Florida.

Barks, L., et al. (1989). Health building for persons with developmental disabilities. A 56 hour staff training program, with videotapes and manuals, in seven modules: "Seizures," "Medications," "Breaking the Chain of Infection," "Keeping An Eye On Health," and "First Aid for People with Developmental Disabilities," "Tracheostomy Care," and "Mealtime Tubes". Produced for the Oklahoma Department of Human Services by Therapeutic Concepts, Inc.

Barks, L., et al. (1988). Health management: problem solving for developmental nurses, a videotape and manual. Produced for the Oklahoma Department of Human Services by Therapeutic Concepts, Inc.

Barks, L., et al. (1985). Nutritional management, a training program for all staff, a videotape and manual; O'Neill and Associates, Ltd., Tallahassee, Florida.

Barks, L., et al. (1985). Nutritional management for professionals, a videotape and manual; O'Neill and Associates, Ltd., Tallahassee, Florida.

Green-McGowan, K. and **Barks, L.** (1985). Assessment and planning for health professionals, a health risk assessment instrument for use with persons with developmental disabilities. KMG Corporation, Peachtree City, Georgia.

LEADERSHIP:

Nursing Research Field Advisory Committee, VA Office of Nursing Services, 2013-present

Nursing Research Committee Chair, Nursing Research and Evidence Based Practice Council, James A Haley VA Medical Center, 2011-2012
Gerontologic Nursing Field Advisory Committee, nurse researcher member, VA Office of Nursing Services, 2010-2013.
USF College of Nursing Alumni & Friends Advisory Board, 2008-2013
Fellow, American Association on Intellectual and Developmental Disabilities, 1997-2008
Co-Chair, Health and Wellness (Interdisciplinary) Action Group, 2005-2008
Chair, Nursing Interests Action Group, 2005-2007
Chair, Health Promotion and Prevention Committee, 2003-2004
Chair, Health Promotion Special Interest Group, 1994-96
Co-chair, Nursing Division Task Force on Medication Administration, 1995-96
Mid-Florida Developmental Disabilities Nurses Association, Treasurer and Director, 2000-2004.

CONSULTATION:

2005-Ongoing: Reviewer, *Rehabilitation Nursing Journal; Intellectual and Developmental Disabilities*.

1984-2002: Legal consulting experience summary: Consulting nurse clinical specialist to US Department of Justice, the federal courts, and various defendants, plaintiffs, court Monitors, and service providers. Consultant for litigation in fifteen states, sixteen lawsuits involving US Department of Justice and other parties. Depositions rendered as well as expert testimony at hearings. Statewide training development and delivery for defendants, evaluations of health status of populations of class members in class action litigation, and technical assistance to state program offices and community health service providers. Written reports to the courts on health risk and status of clients in long term care. Evaluation of compliance with federal court orders regarding health services. Specific information is available upon request.

CLINICAL ACTIVITIES AT TAMPA VA, 2007-present:

Participate on the [Clinical] Competency Committee of the Geriatric and Extended Care Field Advisory Committee, which generated a geriatric nursing assessment program for the CLC RNs (2010-present)
Chair, Nursing Research Committee of the Tampa Nursing Research and Evidence Based Practice Council. This committee provides support to clinicians on clinical practice changes through EBP considered by the Practice Council. (2010-2012)
Participate in weekly interdisciplinary Rounds at the Tampa VA Community Living Center (nursing home), 2008-present
Participated in and led patient safety Root Cause Analysis and Failure Modes and Effects Analysis teams, 2007-8
Observed VISN 8 executive and Patient Safety Officer activities, 2007
Participated in weekly hospital-wide Environment of Care Rounds, 2007-8
Developed clinical questions with nurse managers on evidence based practice (EBP), and participated in an EBP conference with expert Robin Newhouse, 12-07
Participated in annual Safe Patient Handling and Movement and Falls conferences sponsored by VISN 8 Patient Safety Center of Inquiry, 2006-9

Participated in a patient safety curriculum for Fellows, 2007-8, including study of: human factors engineering, project development, systems theory, health organizations change theory, patient safety culture, operating room medical team training, advanced Root Cause Analysis, advanced Healthcare Failure Modes and Effects Analysis, evidence-based practice, and quality management research.

Description of other activities upon request.

ORGANIZATIONS AND PROFESSIONAL ACTIVITIES:

Sigma Theta Tau International, Delta Beta Chapter
American Nurses Association/Florida Nurses Association
Association of Rehabilitation Nurses
Research Interest Group

MENTORSHIP

Recruited, trained, and facilitated a community-based, medical case management interdisciplinary team in Florida's District 12, including nurse; internist; clinical pharmacist; psychiatrist; occupational, physical, and speech therapists; and psychologist. Performed monthly mortality and clinical reviews and recommended health management of community-dwelling persons with disabilities at high health risk, for Florida Agency for Persons with Disabilities, 2000-2002.

Recruited and mentored RN consultant, Linda Cleary, District 12, Florida Agency for Persons with Disabilities, 2001-2.