

CURRICULUM VITAE
Andrea S. Baptiste, MA, OT, CIE

Career Objective: To work as an Ergonomic Consultant in the Healthcare field.

EDUCATION: *Completion of Masters in Occupational Therapy, specializing in Ergonomics and Orthopaedic Biomechanics*

2000 New York University, Hospital for Joint Diseases.

1997 Industrial Rehabilitation Functional Assessment and Work Hardening Certificate
Roy Matheson & Associates, Canada

1994 Medical Exercise Therapy Diploma, The Holten Course of MET, Norway

1994 ***B.A. in Kinesiology***
University of Western Ontario, Canada

PROFESSIONAL EXPERIENCE:

2008-Present Consultant, Diligent Services. Ergonomic Technologies Corp

2008-Present President of Eye on Ergonomics, Inc.

2004-2008 **Adjunct Professor**, University of South Florida, Biomedical Engineering Department

2001-2008 **Ergonomist/Biomechanics Lab Manager**, University of South Florida/Patient Safety
Center of Inquiry, VA Hospital, Tampa, Florida

2000 - 2001 **Research Assistant for National Science Foundation Grant**, School of Education,
New York University

1999-2000 **Teaching Assistant for Anatomy**, Occupational Therapy Department, New York
University

1993-1999 **Kinesiologist**, Cambridge Physiotherapy Clinic; Ontario March of Dimes; Moore Muscle
Therapy, Ontario Canada.

COURSES & CREDENTIALS:

2004-2008 Good Clinical Practice Guidelines; Human Subjects Protections Course, Institutional
Review Board

2005 Hanger Prosthetics & Orthotics Course

2002-present Member of Tampa Motion Analysis Group

2002 Completion of Clinical Trials, Grant Writing & Biostatistics, Epidemiology Summer
Session, Seattle, W.A

2000-2007 Member of Human Factors and Ergonomic Society

2000-Present Certified Industrial Ergonomist, Oxford Research Institute

2000 Neurocom course, OR, USA

2001 Full Spectrum of Ergonomics: From Theory to Practice, Hospital for Joint
Diseases, New York

1999 Accredited Rehabilitation Professional (ARP), Canadian Association of Rehab.
Professionals

1998 Physical Demands Analysis Course, Optimal Performance Consultants, Canada

1996 Fundamentals of Ergonomics, Conestoga College, Canada

PUBLICATIONS:

1. **Baptiste, A.** An Evaluation of nursing tasks. *Work Journal*, Submitted and In Review, March 2010.
2. **Baptiste, A.** and Applegarth S. Use of Effective Patient-Handling Techniques within Healthcare. Submitted to CRC Press / Taylor & Francis, Ltd & conference Proceeding for International Conference on Applied Human Factors and Ergonomics.

3. **Baptiste, A.** (2009). Critical care (Chap. 5). In A. L. Nelson, K. Motacki, & N. Menzel (Eds.), *The illustrated guide to safe patient handling and movement*. New York: Springer Publishing.
4. **AORN Workplace Safety Taskforce.** (2007). *Safe Patient Handling & Movement in the Perioperative Setting*. Denver, CO: Association of PeriOperative Registered Nurses (AORN).
5. Sedlack, C. A., Doheny, M. O., Nelson, A. L., & Waters, T. (2009). Development of the National Association of Orthopaedic Nurses (NAON) Guidance Statement on Safe Patient Handling and Movement in the Orthopaedic Setting. *Orthopedic Nursing*, 28 (2S), 2-8.
6. Bowers B, Lloyd JD, Lee W, Powell-Cope G, **Baptiste A.** (Accepted). Biomechanical Evaluation of Injury Severity Associated with Patient Falls from Bed. *Journal of Rehabilitation Nursing.*, Vol.33 (6), Nov/Dec 2008, pp.254-269.
7. **Baptiste A,** Mc Cleerey M., Matz M., Evitt C. 2008. Proper sling selection and application while using patient lifts. *Rehabilitation Nursing*, 33 (1), p.24-34.
8. Nelson et al, "Illustrated Guide to Safe Patient Handling and Movement", March 2009, Springer Publishing Company.
9. **Baptiste, A.** (2008). Safe Client Movement and Handling. In D. Fell-Carlson (Ed.), *Working Safely in Health Care: A Practical Guide* (94-145). Clifton Park, NY: Delmar Learning.
10. **Baptiste A.,** Leffard B, Rowen L, Ramos E., Tyler R. (2007), Roundtable discussion on caregiver injury and safe patient handling, *Bariatric Nursing and Surgical Patient Care Journal*, March 2007, Vol.2(1):7-16
11. **Baptiste, A.** Book Chapter on Technology Solutions for High Risk Tasks in Critical Care, *Critical Care Nursing Clinics of North America* 19 (2007) 177-186
12. AORN Guidance Document: Safe Patient Handling and Movement in the Perioperative Setting, April 2007
13. **Baptiste A.** (2007) Limiting the use of lateral patient transfer products. Private Hospital Healthcare Europe. 2007. *The Reference Guide for Independent Hospitals; Clinical, Nursing and Patient Care*, Campden Publishing Ltd
14. **Baptiste A.,** XTRAwise. "Safe Patient Handling & Falls Programs. Keys to Success". Summer 2007, Vol.9.2
15. **Baptiste A,** Boda SV, Nelson AL, Lloyd JD, Lee WE 3rd. (2006). Friction-reducing devices for lateral patient transfers: a clinical evaluation. *American Association of Occupational Health Nurses*, Apr; 54(4):173-80.
16. Nelson, Audrey PhD, RN, FAAN; **Baptiste, Andrea S. MA (O.T),** CIE. Update on Evidence-Based Practices for Safe Patient Handling and Movement. *Orthopaedic Nursing*. 25(6):367-368, November/December 2006.
17. Lloyd and **Baptiste.** (2006). Friction-reducing devices for lateral patient transfers: a biomechanical evaluation. *American Association of Occupational Health Nurses*, Mar; 54(3):113-9.
18. Powell-Cope, **Baptiste,** Nelson. (2005). Modification of Bed Systems and Use of Accessories to Reduce the Risk of Hospital Bed Entrapment. *Rehabilitation Nursing*, Vol.30, No.1, p. 9-17.
19. Wright L.R., Evitt C.P, **Baptiste A.** (2005). Protocol for Safe Use of Patient Handling Slings-Does One Size Fit All? *Journal of the Association of Occupational Health Professionals in Healthcare*, Vol.25,No.4, p. 28-35.
20. **Baptiste A.** (2005). A New Approach to Safer Patient Handling. Private Hospital Healthcare Europe. 2005 *The Reference Guide for Independent Hospitals; Clinical, Nursing and Patient Care*, Campden Publishing Ltd.
21. **Baptiste A.** (2004). New and Emerging Technologies for Safe Patient Handling & Movement. Private Hospital Healthcare Europe. 2004 *The Reference Guide for Independent Hospitals; Clinical, Nursing and Patient Care*, Campden Publishing Ltd.
22. Nelson A, **Baptiste AS.** (2004). Evidence-based practices for safe patient handling and movement. *Online Journal of Issues in Nursing*, Sep 30; 9(3):4. Available: www.nursingworld.org/ojin/topic25/tpc25_3.htm
23. Nelson A, **Baptiste AS.** (2005). Evidence-based practices for safe patient handling and movement. *Clinical Updates in Bone and Mineral Metabolism*. Reprinted from *Online Journal of Nursing*, 19(3)
24. Nelson, AL and **Baptiste, A.** (2006). Evidence-Based Practices for Safe Patient Handling and Movement. *Orthopedic Nursing*, 25 (6), 366-379. Reprinted from: *Online Journal of Issues*

in Nursing, 19 (3) Manuscript 3. Available:
www.nursingworld.org/ojin/topic25/tpc25_3.htm

25. Nelson, Powell-Cope, Davin-Dreschnack, Quigley, Bulat, **Baptiste**, Applegarth, Friedman. (2004). Technology to Promote Safe Mobility in Elderly. *Nursing Clinics of North America*, Vol. 39, No.3, p. 649-671.
26. **Baptiste**, Meittunen, Bertschinger, G. (2004). Technology Solutions for Bariatric Populations. *Journal of Association of Occupational Health Professionals in Healthcare*, Vol. XXIV, No. 2, pp. 18-22.
27. Haiduven, **Baptiste**, Luther, Lloyd, Wilkinson, Bidot. (2003). Development of a Seated Device for Measuring Diurnal Variability in Spinal Compression, *Journal of Musculoskeletal Research*, Vol.7, No.1, p.49-60.
28. **Baptiste**, Tiesman, Nelson, Lloyd. (2001). Technology to Reduce Nursing Back Injuries, *Rehabilitation Nursing Journal*, 27 (2).

PRESENTATIONS & POSTERS/ROUND TABLE DISCUSSIONS

1. **Baptiste, A.** Presentation: Use of Effective Patient-Handling Techniques within Healthcare. Proceeding for International Conference on Applied Human Factors and Ergonomics, July 2010.
2. **Baptiste A.**, Presentation. "Hands on Practical Experience With The Newest Patient Handling Equipment: Bed-Related Tasks; Hands on Practical Experience With The Newest Patient Handling Equipment : Ambulation, Toileting, and Transport Tasks; Evaluation of Friction Reducing devices, 10th Annual SPHC, March 31-April 2nd, 2010.
3. **Baptiste A.**, Presentation. "Developing a facility plan for bariatric patients", Bay Pines VA. Hospital Florida, February 6, 2009.
4. **Baptiste A., Pre-conference speaker** "*Hands on practical experience with the newest bariatric patient handling equipment*", Safe Patient Handling and Movement Conference, Lake Buena Vista, Orlando, Florida, March 10-14, 2008
5. **Baptiste A., Presentation with Mary Muir.** "*Technologies & Practical Techniques/Bariatric Technologies*", Lake Buena Vista, Orlando, Florida, March 10-14, 2008
6. **Baptiste A., Presentation** "*Evaluation of Friction Reducing Devices*", Safe Patient Handling and Movement Conference, Lake Buena Vista, Orlando, Fl., March 10-14, 2008
7. **Baptiste A., Presentation.** "*Safe Patient Handling and Movement, Co-ordinated& speaker of Pre-conference session on "Challenges for Safe Patient Handling in Bariatrics"*", Lake Buena Vista, Orlando, Florida, March 10-14, 2008
8. **Baptiste A., Presentation** "*Solutions & Gaps for Patient Handling Technologies in Peri-Operative Area* ", Safe Patient Handling and Movement Conference, Lake Buena Vista, Orlando, Fl., March 10-14, 2008
9. **Baptiste A., Presentation.** "*Safe Patient Handling and Movement*". Mercy College, New York, Oct 5th, 2007.
10. **Baptiste A., XTRAwise.** "Safe Patient Handling & Falls Programs. Keys to Success". Summer 2007, Vol.9.2
11. **Baptiste A., Presentation:** "Transfer Skills, Use of Technology". 8th Annual Falls Conference "Transforming Fall Prevention Practices", Sheraton Sand Key Resort, Clearwater, Florida, April 15-18th, 2007.
12. **Baptiste A., Leffard B., Ramos E., Rowen L., Tyler R.** *Round Table Discussion*, Bariatric Nursing and Surgical Patient Care. "Caregiver Injury and Safe Patient Handling, March 2007, Vol. 2, No. 1:7-16. Mary Ann Liebert, Inc.
13. **Baptiste A., Presentation:** "Challenges for Safe Patient Handling in Bariatrics" & Co-coordinated Pre-Conference on Bariatrics, Safe Patient Handling & Movement Conference, Contemporary, Disney, Orlando, Fl. March 12-16th, 2007
14. **Baptiste A., Presentation:** "Patient Transport Technologies", Safe Patient Handling & Movement Conference, Contemporary, Disney, Orlando, Fl. March 12-16th, 2007

15. **Baptiste A.** *Presentation:* “Fall Technologies”. 2006 Falls Conference, Trade Winds Island Grand Resorts St. Pete Beach, Florida.
16. **Baptiste A.,** Boda, S., Nelson, A., Lloyd, A., Lee W. Clinical Evaluation of Friction Reducing Devices in Patient Lateral Transfers. *Paper* accepted at XIX International Occupational Ergonomics and Safety Conference, Las Vegas, June 27-29, 2005.
17. **Baptiste A.,** Boda, S., Nelson, A., Lloyd, A., Lee W. Clinical Evaluation of Friction Reducing Devices in Patient Lateral Transfers. *Poster* accepted at 5th Annual Safe Patient Handling & Movement Conference, February 28-March 4, 2005. Trade Winds Island Grand Resorts St. Pete Beach, Florida.
18. **Baptiste A.** *Presentation* on “Patient care Ergonomics/Back Injury Resource Nurse Certification Training”. Boston VA, Sept.30/04-Oct.1/04.
19. **Baptiste A,** Lloyd J. *Poster:* “Biomechanical Evaluation of Friction Reducing Devices.” James A. Haley Veterans’ Hospital Research Day, Tampa, FL, April 25, 2002.
20. **Baptiste A.** *Presentation:* “Technology Solutions for Safe Patient Handling & Movement.” Full Spectrum of Ergonomics Conference, Hospital of Joint Diseases, New York University, NY, Jan. 16-18, 2002.
21. **Baptiste A,** Fragala G, Butler M, Carver M. *Presentation:* “Resource Guide for Bariatric Equipment, Devices & Supplies.” Safe Patient Handling and Movement Conference, Clearwater, FL, March 4-7, 2003.
22. **Baptiste A,** Lloyd J, Joliff J. *Presentation:* “Evaluation of Technology to Support Safe Patient Handling and Movement.” Safe Patient Handling and Movement Conference, Clearwater, FL, March 4-7, 2003.
23. **Baptiste A.** and Lloyd J. *Presentation:* Epidemiology Lectures, University of South Florida, 2003
24. **Baptiste A.** *Presentation:* “The Bariatric Population”, “Evaluation of Technology to Support Safe Patient Handling & Movement”, “OSHA guidelines”. Health Care Ergonomics, American Federation Government Employees Safety Conference, Jan 12-16th, 2004
25. **Baptiste A.** *Presentation:* “Demonstration of Lateral Transfer Solution.” 4th Annual Safe Patient Handling and Movement Conference. Lake Buena Vista, FL. March 4, 2004.
26. **Baptiste A.** *Presentation:* “Evaluation of Friction Reducing Devices.” 4th Annual Safe Patient Handling and Movement Conference. Lake Buena Vista, FL. March 4, 2004.
27. **Baptiste A.** *Presentation:* “Strategies for Evaluating Hospital Bed Systems from an Ergonomics Perspective.” 5th Annual Evidence-Based Fall Prevention Conference, Pre-Conference on New Developments in Hospital Bed Safety. Clearwater, FL. March 29, 2004.
28. **Baptiste A.** “Evaluation of Friction Reducing Devices for Patient Transfers”. *Poster* was accepted at Steps-Healthier Workforce Symposium, CDC, Oct 27th, 2004

GRANTS (FUNDED/UNFUNDED/INTERNALLY FUNDED):

- 1) Biomechanical assessment of wheelchair transfers in persons with SCI. Harrow, J, Lloyd, J., **Baptiste, A.,** Nelson, A, Luther, S. RR&D **Funded.** 6/03-12/04
- 2) Biomechanics of Falls: Pilot Study. Lee, W, Lloyd, J., **Baptiste, A.,** Powell-Cope, G., Bowers. **Internally Funded (Thesis Project).** 5/04-4/05
- 3) Upper Extremity Biomechanics during Pressure Relief in Persons with Paraplegia. Lloyd, **Baptiste,** Cresta, Harrow. **Internally Funded (Thesis project).** 6/03-12/04
- 4) Biomechanical Evaluation of Patient Transport Technologies, **Baptiste,** Lloyd. Sept 2005-2006
- 5) Effect of Exercise on Gait and Balance in Peripheral Neuropathy. RR&D. Quigley, P. , Bulat, T., Cope-Powell, G., Hart-Hughes, S., Rutledge, M., Ahmed, S., Schulz, B., Palacios, P., Stylianides, G., Chen, L. & **Baptiste, A.** 2006-2008
- 6) Gait, Balance and Attention Demands in Traumatic Brain Injury. Curtiss G., Vanderploeg, R., Hart-Hughes, S; **Baptiste, A.,** Darkangelo, B., Schulz, B., Scholten, J. 2007-2009
- 7) Exercise interventions to reduce postural instability in OA. Bulat, Patricia Quigley, PhD, ARNP, MPH, Audrey Nelson, PhD, RN, **Andrea Baptiste, MA, OT,** Brian Schulz, PhD, Jeffrey Kromrey, PhD. Funded 2008.

- 8) Pilot Study: Gait and Balance Patterns among Polytrauma Soldiers with known Traumatic Brain Injuries (TBI): Descriptive analysis. Quigley, Scott, S., **Baptiste, A.**, Applegarth, S., Hart-Hughes, S., Friedman. Funded 2008.
- 9) Gait, Balance, and Attention Demands in Traumatic Brain Injury. Glenn Curtiss, Andrea Baptiste, Stephanie Hart-Hughes, Rodney Vanderploeg, Barbara Darkangelo, Lisa DiRiolo. Funded 2008.

SUB-COMMITTEES:

- 1) Chair of Sling task force, Tampa, VA, external partners
- 2) Chair of Bariatrics task force, Tampa, VA, external partners
- 3) Prosthetics Clinical Management-National VA.
- 4) Functional Capacity Evaluation Task Force -National, VA
- 5) Spinal Cord Injury Skin Care Consultant
- 6) Bed Safety Consultant
- 7) Co-coordinator of the Bariatric Pre-conference for Safe Patient Handling & Movement Conferences
- 8) Ergonomic Consultant and project coordinator for equipment trials at the hospital
- 9) NAON (National Association of Orthopaedic Nurses) Task Force
- 10) AORN (Association of Orthopedic Nurses)/PSCI Task Force

PRODUCTS:

- 1) Development of Technology Resource Guide for SPHM
- 2) Development of Resource Guide for Slings
- 3) Guidelines for Sling selection
- 4) Development of Resource Guide for Bariatric population
- 5) Product Evaluations-patient handling technology
- 6) Resource Guide of Wandering Technologies
- 7) Developed Guideline assessment for bed and mattress evaluation
- 8) Developed Toolkits for Sling and Bariatric-disseminated nationally

STUDENT MENTORING:

2004	Lelia Barks, Ph D(c), University of South Florida, Nursing	Ph D- Clinical Biomechanics
2004-2005	Bonnie Bowers, MSBE University of South Florida, Department of Biomedical Eng	Masters Thesis – ‘Biomechanics of Injuries Associated with Falls from Bed’
2004-2005	Sruthi Vasudev Boda, MS University of South Florida, Department of Biomedical Eng.	Masters Thesis – ‘Clinical evaluation of friction reducing devices for lateral transfer of patients’
2005	Paulina Katsouli, MS, University of South Florida,	Masters Field Experience-‘Repositioning Devices for patient handling’
2005	Jonathan Philippe, University of South Florida, Department of Public Health	Masters Field Experience-Developed Wandering Technology Resource Guide
2006	Fritz Breckner, University of South Florida, Department of Public Health	Masters Field Experience-Data collection for Functional Capacity Evaluation Project
2007,2008	Micheline Guilman-	Motion analysis- Vicon training

REFERENCES AVAILABLE ON REQUEST:

19145 Weymouth Drive, Land O’ Lakes
 Florida, 34638, USA
 E-mail: ergonomics_ab@yahoo.com