

September, 2021

CURRICULUM VITAE

ROSEMARIE BIGSBY

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EDUCATION

Undergraduate:

Western Michigan University, Kalamazoo, MI; **B.S.**, Occupational Therapy and Biology, Magna Cum Laude, 1974; Honors College Undergraduate Assistantship in Anthropology, Occupational Therapy Department Senior Scholarship

Advanced Degrees:

Boston University, Boston, MA, Advanced Interdisciplinary Master's Program; **M.S.**, Advanced Pediatric Practice and Occupational Therapy Education, 1980

Boston University, Boston, MA, **Sc.D.**, Therapeutic Studies; 1994

Maternal and Child Health Traineeships to Support Doctoral and Advanced Master Level Studies, Sargent College of Allied Health Professions, U.S. Department of Health and Human Services, Division of Maternal and Child Health Services, 1979-1980 and 1987 - 1993

POST GRADUATE HONORS

Roster of Fellows of The American Occupational Therapy Association (F.A.O.T.A.)

For advancing occupational therapy with infants and children, June, 1993

AWARDS

Service Award, The American Occupational Therapy Association (AOTA), 1992

The AOTA Service Commendation, The American Occupational Therapy Association, 2007; for authorship of "Specialized knowledge and skills for occupational therapy practice in the neonatal intensive care unit."

Inaugural Pioneer in Neonatal Therapy Award, 2015, National Association of Neonatal Therapists (NANT); for "outstanding and enduring efforts as a forerunner in education, mentoring and innovation in the specialized field of neonatal therapy."

Brown University Faculty Emeriti Research Fund Award, 2021; to support academic research.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION:

Licensed to Practice Occupational Therapy in Massachusetts (# 601) Exp. 8/22/23 and in Rhode Island (#OT 00027), Exp. 3/31/22

Registered by American Occupational Therapy Certification Board (A.O.T.C.B.) June 1, 1974 to March 31, 2023 (#AA258392).

Board Certification in Pediatric Occupational Therapy (BCP); American Occupational Therapy Association; June, 1993.

OTHER CERTIFICATIONS

Certification to Administer and Interpret the SIPT - Sensory Integration and Praxis Tests; 1991
Certification to Administer and Score the Neonatal Behavioral Assessment Scale (Brazelton), 1992
Certification to Administer and Score the Neonatal Network Neurobehavioral Scale (NNNS), 1996
Certified Infant Massage Instructor by International Association of Infant Massage Instructors, 2004 to present
Certified Healthcare Provider BLS March 17, 2011 to March 31, 2021
Certified in Neonatal Resuscitation Program (excluding intubation) through 7/27/2021

ACADEMIC APPOINTMENTS

Clinical Professor Emeritus of Pediatrics, The Warren Alpert Medical School of Brown University, July 1, 2019 to present
Clinical Professor of Pediatrics and Clinical Professor of Psychiatry and Human Behavior, The Warren Alpert Medical School of Brown University, July 1, 2014 through June 30, 2019
Clinical Associate Professor of Pediatrics, Psychiatry and Human Behavior, The Warren Alpert Medical School of Brown University, July 1, 2008 through June 30, 2014
Clinical Assistant Professor of Pediatrics, The Warren Alpert Medical School of Brown University, July, 1995 through June, 2008
Adjunct Lecturer, Boston University, Sargent College of Allied Health Professions, Department of Occupational Therapy, Fall, 1991
Adjunct Lecturer, Tufts University, Boston School of Occupational Therapy, Fall, 1991

HOSPITAL APPOINTMENTS

Coordinator, NICU Services, Brown Center for the Study of Children At Risk, Department of Pediatrics, Women & Infants' Hospital, Providence, R.I., 1992 to July 12, 2019.

OTHER APPOINTMENTS

Research Team, Dept. of Pediatrics funded study: "NICU Cuddler QI Study", November, 2014 to 2016, Betty Vohr & Laurie Hoffman, Investigators.
Co-Investigator, Dept. of Pediatrics funded study: "Effects of open-bay vs. single-room NICU on infant outcomes at discharge", 2008 to 2014, Barry Lester, PI.
Research Team, "Gastro-esophageal reflux disease in hospitalized preterm infants". 2006 to 2008, James Padbury, MD, PI.
Research Team, "Predictive validity of the NNNS for low birthweight preterm infant outcomes". 2009 to 2011, Bonnie Stephens, MD, PI.
Co-Investigator, NIH funded study: "Massage for methadone", 2007-2009, Yun J. Lee, MD PI.
Consultant, NIH funded study: "Efficacy of healing touch treatment for NICU infants". 2004 to 2006.
Consultant, Gerber funded studies: I and II: Infant colic and feeding difficulties, 2000 to 2004, Barry Lester, PhD, PI.
Member, Faculty Consortium, NICHD Network of Neonatal Intensive Care Units, for three measures in the Neurodevelopmental Assessment Battery for "Impact of Maternal Lifestyle" Study: Peabody Developmental Motor Scales, Posture and Fine Motor Assessment of Infants - I and II, 1992 to 1998; and the Bruininks-Oseretsky Test of Motor Proficiency, 1999 to 2009.
Private Practice, Evaluation, Consultation and Inservice Education, Westport Community Schools, Westport, MA; R.E.A.D.S. Collaborative, Lakeville, MA, 1991 - 1992
Coordinator, Community Rehabilitation Center, and Senior Occupational Therapist, Easter Seal Society of Rhode Island, Meeting Street School, E. Providence, R.I., 1988 -1991
Supervisor, Occupational Therapy Dept., and Member, Early Intervention Program Team, Meeting Street School, Easter Seal Society of R.I., E. Providence, R.I., 1984-1988

Consulting Occupational Therapist, Antilles Consolidated School System, U.S. NAVSTA, Roosevelt Roads, Ceiba, P.R., 1983-1984
Staff Occupational Therapist, Preschool Unit, Developmental Diagnostic Program, and Parent Program for Developmental Management, Meeting Street School, Easter Seal Society of R.I., Providence, R.I., 1980-1982
Part time Occupational Therapist, Early Intervention Program, Kennedy Center for Programs in Early Devt., New Bedford, MA, 1980-1981
Occupational Therapist, Early Intervention Program, Fall River, MA, 1978-1979
Occupational Therapist, Huron Intermediate School District, Bad Axe, MI, 1974-1978

HOSPITAL COMMITTEES

Member, NICU Practice Variation Group, June, 2016 to June, 2019
Member, NICU Breastfeeding Committee, 2013 to June, 2019
Member, Inter-Agency Coordinating Committee, Women & Infants' Hospital; Betty Vohr, MD, Chair, 2000 to June, 2019
Member, NICU Breast Milk Task Force, Women & Infants' Hospital, 2006 to present, Betty Vohr, MD, Chair, 2007-2017
Member, Rehab Leaders Forum, CNE, September 2013 to 2015
Member, NICU Safe-Sleep Committee, September, 2012 to 2015.
Co-Chair, NICU Family Centered Care Committee (FCCC), January, 2011 to 2013; Member 2007 to 2013 (Incorporated into NICU Breastfeeding Committee)
Member, NICU Shared Governance Council, 2010 to 2013 (attending on as-needed basis)
Member, NICU Work Flow Committee, 2009 to 2012
Chair, NICU Developmental Care Education and Research Committee, NICU, Women & Infants' Hospital, 2005 to 2007 (incorporated into FCCC)
Member, NICU Steering Committee, Women & Infants' Hospital, 2004 to 2010
Member, Boarder Baby Committee, Women & Infants' Hospital, 2004 to 2011
Member, Pain Assessment Protocol Committee for NICU, Women & Infants' Hospital, Carol Dabek, Chair, 2002

MEMBERSHIP IN SOCIETIES

Invited Member, representing OT Profession: Consensus Committee on Developmental Family Centered Care for Newborns and Families in Intensive Care: Recommended Standards and Competencies. Gravens Conference on the Physical and Developmental Environment of the High-Risk Infant, 2013 to present
Member, NICU Task Force, American Occupational Therapy Association, 1999 to present
Manuscript Reviewer, American Journal of Occupational Therapy, 1995 to present; Acta Paediatrica, Early Human Development, Infant Behavior and Development, Journal of Perinatology, PLOS ONE, Heliyon, 2015 to present
Proposal Reviewer, AOTA National Conference 1988 to present
Resource Person in Sensory Integration, AOTA, Sensory Integration Special Interest Section, 1992 to present
Resource Person in Pediatrics, AOTA Practice Division, 1994 to present
Member, National Association of Neonatal Therapists, January, 2011 to present
Member, Infant Massage USA, 2004 to present
Advisory Board - OT Consultant, Infant Massage USA, May, 2012 to present
Member, Faculty Advisory Board, New England Institute of Technology Master of Science Program in Occupational Therapy, 2009 to 2013; Program for Occupational Therapy Assistants, 1996 to 2009.
Member, Advisory Board, Rhode Island Association for Infant Mental Health, 2004/2005
Rhode Island Committee for Comprehensive System of Personnel Development for Early Intervention, Pre-service Education Committee, 1992 to 1999
Member, Professional Advisory Committee, Visiting Nurses Association, Inc., Providence, R.I., 1985 to 2001

Representative for State of Rhode Island on AOTA Representative Assembly, 1986-1992
Alternate Representative for RI, AOTA, 1985-1986
Chair, R.I. Pediatric Special Interest Section of AOTA, 1985-1988
Member, Executive Board, Rhode Island Occupational Therapy Association, 1985-1992
Board of Directors, Thumb Area Easter Seal Society, Port Huron, MI 1976-1978

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Bigsby, R. (1983). Reaching and asymmetrical tonic neck reflex in preterm and full-term infants. Physical and Occupational Therapy in Pediatrics, 3, (4), 25-42.
2. Bigsby, R., Coster, W., Lester, B. M., Peucker, M. R. (1996). Motor behavioral cues of term and preterm infants at three months. Infant Behavior and Development, 19, 3, 295-307.
3. Meyer, E. C., Lester, B. M., Boukydis, C. F. Z., & Bigsby, R. (1998). Family-based intervention with high-risk infants and their families. Journal of Clinical Psychology in Medical Settings; 5 (1),49-69.
4. Case-Smith, J., Bigsby, R., & Clutter, J. (1998). Perceptual motor coupling in the development of grasp. American Journal of Occupational Therapy, 52 (2), 102-110.
5. Lester, B. M., LaGasse, L. L., & Bigsby, R. (1998). Prenatal cocaine exposure and child development: What do we know and what do we do? Seminars in Speech and Language, 19 (2), 123-146.
6. Gorga, D., Anzalone, M., Holloway, E., Bigsby, R., Hunter, J., Strzyzewski, S., Vergara, E. (2000). Specialized knowledge and skills for occupational therapy practice in the neonatal intensive care unit. The American Journal of Occupational Therapy, 54, (6), 641-648.
7. Grenier, I.R., Bigsby, R., Vergara, E. R., & Lester, B. M. (2003). Comparison of motor self-regulatory and stress behaviors of preterm infants across body positions. The American Journal of Occupational Therapy, 57, (3) 289-297.
8. Boukydis CFZ, Bigsby R, Lester BM. (2004). Clinical Use of the Neonatal Intensive Care Unit Network Neurobehavioral Scale. In: Lester, BM & Tronick, EZ (Eds), The Neonatal Intensive Care Unit Network Neurobehavioral Scale (NNS). Pediatrics, 113. (3), 679-689.
9. DeSantis, A., Coster, W., Bigsby, R., & Lester, B.M. (2004). Colic and fussing in infancy, and sensory processing at 3 to 8 years of age. Infant Mental Health Journal, 25, (6), 522-539.
10. Miller-Loncar, C., Bigsby, R., High, P., Wallach, M., & Lester, B.M. (2005). Infant colic and feeding difficulties. Archives of Disease in Childhood, 89, 908-912.
11. Miller-Loncar, C., Lester, B. M., Seifer, R., Lagasse, L. L., Bauer, C. R., Shankaran, S., Bada, H. S., Wright, L. L., Smeriglio, V. L., Bigsby, R., & Liu, J. (2005). Predictors of motor development in children prenatally exposed to cocaine. Neurotoxicology and Teratology, 27, (2), 213- 220.
12. Vergara, E., Anzalone, M; Bigsby, R., Gorga, D., Holloway, E., Hunter, J., Laadt, G., Strzyzewski, S. (2006). Specialized knowledge and skills for occupational therapy practice in the neonatal intensive care unit. The American Journal of Occupational Therapy, 60, 6, 659-668.
13. Hwang, Y., Lin, C., Coster, W.J., Bigsby, R., Vergara, E. (2010). Effectiveness of cheek and jaw support to improve feeding performance of preterm infants. American Journal of Occupational Therapy, 64, 886-894.

14. Hwang, Y., Vergara, E., Lin, C., Coster, W.J., Bigsby, R., Tsai, W. (2010). Effect of prefeeding oral stimulation on feeding performance of preterm infants. Indian Journal of Pediatrics, 77, 8, 869-873.
15. Lester, B. M., Miller, R. J., Hawes, K., Salisbury, A., Bigsby, R., Sullivan, M. C., Padbury, J. F. (2011). Infant Neurobehavioral Development. Seminars in Perinatology, 35, 8-19.
16. Bigsby, R., LaGasse, L., Lester, B.M., Shankaran, S., Bada, H. Bauer, C. & Liu, J. (2011). Prenatal cocaine exposure and motor performance at 4 months. American Journal of Occupational Therapy, 65, 5, 60-68.
17. Lester, B.M., Andreozzi-Fontaine, L, Tronick, E., Bigsby, R. (2014). Assessment and Evaluation of the High-Risk Neonate: The NICU Network Neurobehavioral Scale. Journal of Visualized Experiments, 25, 90, e3368, doi:10.3791/3368.
18. Lester, B.M., Hawes, K. Abar, B., Sullivan, M., Miller, C., Bigsby, R., Laptook, A., Salisbury, A., Taub, B., Lagasse, L., Padbury, J. (2014). Single Family Room Neonatal Intensive Care Unit Improves Infant Medical and Neurobehavioral Outcome. Pediatrics, 134, 4, 754-760.
19. Lester, B.M., Salisbury, A.L., Hawes, K., Danserau, L.M., Bigsby, R., Laptook, A., Taub, M., Lagasse, L.L., Vohr, B.R., Padbury, J.F. (2016). 18-Month follow-up of infants cared for in a single-family room neonatal intensive care unit. The Journal of Pediatrics, 177, 84-90.
20. Browne, J.V., Jaeger, C.B., Kenner, C., Aarvedson, J.C., Bigsby, R., Cicco, R., Hatfield, B., Hynan, M.T., Kolberg, K.J.S., McElroy, J., McGrath, J., Phillips, R., Ross, E., Salisbury, A., Smith, K., Sweeney, J.K. (2020). Executive Summary: Standards, competencies, and recommended best practices for infant-and family-centered developmental care in the intensive care unit. Journal of Perinatology, 40, 5-10. <https://doi.org/10.1038/s41372-020-0767-1>.

OTHER PEER-REVIEWED PUBLICATIONS

1. Bigsby, R. (1992). Motor behaviors as cues to physiological state in preterm infants: Application of sensory integration theory to occupational therapy practice with neonates. Monograph. In Proceedings of Symposium '92: Current Topics in Sensory Integration, Torrance, CA: Sensory Integration International.
2. Bigsby, R. (1994). Motor behaviors as cues to cardiorespiratory reactivity in full-term and preterm infants at three months corrected age. Dissertation. Boston University.
3. Lester, B., Bigsby, R., High, P., & Wu, S. (1995). Principles of intervention for preterm infants in the NICU. In Optimizing the Neonatal Intensive Care Environment: Proceedings of the 10th Conference in Pediatrics, (pp. 59-72). Canadian Paediatric Society. Montreal: Abbott Laboratories, Limited.
4. Bigsby, R. (2002). Book review: The Premie Parents' Companion, by Susan L. Madden, Boston, MA, The Harvard Common Press, 2000, 393 pp. Journal of Developmental & Behavioral Pediatrics, 23, 1, 59-60.
5. Lester, B.M., Bigsby, R., & Miller-Loncar, C. (2004). Infant massage: So, where's the rub? Social Policy Report of the Society for Research in Child Development, 18, 1, 8.
6. Bigsby, R. (2007). Book/media review: Focus on the Brain: A toolkit of evidence-based practices to support preterm development in the NICU. Part 1: The science of preterm infant development; Part 2: Clinical practices for special care nurseries; No matter how small: Parent's guide to preterm infant

behavior and development. Vida Health Communications, Inc., Cambridge, MA, 2006. Journal of Developmental & Behavioral Pediatrics, 28, 5, 429.

7. Bigsby, R. & Lee, YJ. (2010). Neonatal screening and supportive interventions to promote neurobehavioral development. Medicine & Health/Rhode Island, 93, 5, 139-141.
8. Bigsby, R., Kolberg, K., Salisbury, A. (2020). Sleep and Arousal Interventions for the Newborn. In: C. Jaeger, J. Browne, (Eds). Gravens Consensus Committee: Recommended Standards, Competencies and Best Practices for Infant and Family Centered Care in Intensive Care. Website: <https://nicudesign.nd.edu/nicu-care-standards/>.
6. Bigsby, R. (2021). Developmental care in the NICU: New evidence-based standards, competencies, and recommendations. OT Practice, American Occupational Therapy Association, 26, 5, 26-28.

BOOKS AND BOOK CHAPTERS

1. Bigsby, R. (1998). Overview of infant and child developmental models. In M. Neistadt, & E. Crepeau (Eds.) Willard and Spackman's Occupational Therapy, 9th Edition, (pp. 543-545). Philadelphia: J. B. Lippincott Co.
2. Vohr, B. R., Cashore, W. J., Bigsby, R. (1999). Stresses and interventions in the neonatal intensive care unit. In M. D. Levine, W. B. Carey, & A. C. Crocker (Eds). Developmental-Behavioral Pediatrics, 3rd Edition (pp. 263-275). Philadelphia: W. B. Saunders Co.
3. Case-Smith, J., & Bigsby, R. (2000). Posture and Fine Motor Assessment of Infants. San Antonio, TX: Psychological Corporation/Harcourt Assessment Co.
4. Case-Smith, J., & Bigsby, R. (2001). Motor assessment. In L. T. Singer & P. S. Zeskind (Eds.), Biobehavioral Assessment of the Infant (pp. 423-442). NY: The Guilford Press.
5. Bigsby, R. (2003). Overview of infant and child developmental models. In, E. B. Crepeau, E. S. Cohn & B. A. B. Schell (Eds.) Willard and Spackman's Occupational Therapy (10th ed., pp. 243-245), Philadelphia: Lippincott Williams and Wilkins.
6. Vergara, E., & Bigsby, R. (2004). Developmental and Therapeutic Interventions in the NICU. Baltimore: Paul H. Brookes. (Second Printing, January 2007).
7. Bigsby, R., Boukydis CFZ, LaGasse, L.L., Lester BM. (2004). Clinical Applications for the NNNS. In: Lester, BM & Tronick, EZ (Eds), NICU Network Neurobehavioral Scale Manual. (pp. 85-182). Baltimore: Paul H. Brookes.
8. Bigsby, R. (2010). Fueling development by enhancing infant-caregiver relationships: Transformation in the developmental therapies. In B.M. Lester, & J. Sparrow (Eds.) Nurturing Children and Families: Building on the Legacy of T. Berry Brazelton. (pp. 219-280). Oxford, UK: Wiley-Blackwell.
9. Bigsby, R. (2020). Sensory integration applications with infants in neonatal intensive care and early intervention. In A.C. Bundy & S.J. Lane (Eds). Sensory Integration Theory and Practice, 3rd Edition. (pp.481-489). Philadelphia, P.A: F.A. Davis.
10. Bigsby, R., (2020). Neonatal intensive care unit. In J. O'Brien & H. Kuhaneck (Eds). Case-Smith's Occupational Therapy for Children and Adolescents, 8th Edition. (pp. 565-600). St. Louis, Missouri: Elsevier.
11. Bigsby, R., Kolberg, K., Salisbury, A. (2020). Sleep and Arousal Interventions for the Newborn. In: C. Jaeger, J. Browne, (Eds). Gravens Consensus Committee: Recommended Standards,

Competencies and Best Practices for Infant and Family Centered Care in Intensive Care. Website: <https://nicudesign.nd.edu/nicu-care-standards/>.

MANUSCRIPT REVIEWS

Validity of the Test of Infant Motor Performance for discriminating among infants with varying risk for poor motor outcome. 2001. *The Journal of Pediatrics*.

Measurement of the angle of plantar-flexion – An objective way of assessing muscle relaxation in children with spastic cerebral palsy. 2004. *Pediatric Rehabilitation*.

Relationship between motor control and caregiving environment in cocaine/polydrug-exposed infants of recovering mothers. 2005. *Infant Behavior and Development*.

Pre-publication Book Peer-Review: Batshaw, M. 2005. *The Premature Infant*. In Mark Batshaw (Ed.) *Children with Disabilities*. Sixth Edition. Baltimore: Brookes Publishing Co.

Pre-publication Book Peer-Review: Feeding young children: Strategies and interventions for successful mealtimes. 2009. Baltimore: Brookes Publishing Co.

Postural Control of Preterm Infants at 6- and 12-Months Corrected Age, 2009. *Early Human Development*.

Pre-publication Book Peer Review: *Therapists' Guide to Infant Feeding Assessment and Intervention*, 2010, Jones and Bartlett, Publishers.

Developmental Outcome of Very Low Birth Weight Infants in a Developing Country. 2011; *BMC Pediatrics*.

Pre-publication Book Peer-Review: *Bottle Feeding in the Neonatal Intensive Care Unit*, 2011; Mosby Publishing.

Prenatal Maternal Depression Interferes with Neonatal Neurobehavior, 2011; *Acta Paediatrica*.

Pre-publication Book Peer-Review: *Collaborative Consultation with Parents and Infants in the Perinatal Period*, 2012; Brookes Publishing.

Birth and Developmental Correlates of Birth weight in a Sample of Children with Potential Sensory Processing Disorder, 2012. *BMC Pediatrics*.

Kangaroo-Mother Care Method and Neurobehavior of Preterm Infants, 2015. *Early Human Development*.

Clinicians' Guide for Cue-Based Transition to Oral Feeding in Preterm Infants: An Easy-to-Use Clinical Guide, 2016, *Journal of Evaluation in Clinical Practice*.

Mother-Infant Interaction Assessment at Discharge and at 6 Months in a French Cohort of Infants Born Very Preterm: The OLIMPE Study. 2017, *PLOS ONE*.

Functional outcome at school age of preterm-born children treated with low-dose dexamethasone in infancy, 2018. *PLOS ONE*.

One year outcome of high-risk newborn infants discharged from the neonatal care unit of the national Maternal and Child Health Center in Cambodia. 2018. *Heliyon*.

Delayed Theory of Mind Development in Children Born Preterm: A Longitudinal Study, 2018. Early Human Development.

Sucking Pressures in Breastfeeding Infants Before and After Onset of Lactation, 2018. Early Human Development.

One year outcome of high-risk newborn infants discharged from the neonatal care unit of the National Maternal and Child Health Center in Cambodia, 2018. Heliyon.

Three-Hourly Feeding Intervals are Associated with Faster Advancement in Very Preterm Infants, 2019. Early Human Development.

Prone, supine and seated positioning time and its influence on the motor development of term and preterm infants. 2019. Infant Behavior and Development.

Neurobehavior of preterm infants from 32 to 48 weeks post-menstrual age, 2019. Journal of Perinatology.

The prevalence of early feeding alterations in preterm infants: Relationships to early neurobehavior, 2019. Early Human Development.

Classroom-evaluated school performance at nine years of age after very preterm birth, 2019. Early Human Development.

ABSTRACTS

1. Bigsby, R. (1992). "Motor Behaviors as Cues to Physiological State in Preterm Infants" - Paper presented at Annual Conference, AOTA, Houston, TX.
2. Bigsby, R. (1992). Motor behaviors as cues to physiological state: Indicators of approach and withdrawal in preterm infants. Paper presented at the Eighth International Conference on Infant Studies, Miami, FL, USA.
3. Bigsby, R. (1992). Motor behaviors as cues to physiological state in preterm infants. Paper presented at Sensory Integration International Symposium '92: Current Topics in Sensory Integration, Timonium, MD.
4. Bigsby, R, Coster, W., Peucker, M.R., & Lester, B. M. (1994). Motor behaviors as cues to cardiorespiratory reactivity in full-term and preterm infants at three months corrected age. Poster presented at the 63rd Annual Meeting of The Society for Pediatric Research, Seattle, WA.
5. Bigsby, R. (1994). Self-regulatory motor behaviors and cardiorespiratory response in full-term and preterm infants. Paper presented at the Ninth International Conference on Infant Studies, Paris, France.
6. Bigsby, R., LaGasse, L.L., Garcia-Coll, C., Lester, B. M. (1995). Cardiorespiratory responses and temperament in preterm and full-term infants. Paper presented at the 64th Annual Meeting of The Society for Pediatric Research, San Diego, CA.
7. Bigsby, R., LaGasse, L. L. (1995). Affective and cardiorespiratory response during assessment of temperament in preterm and full-term infants. Paper presentation, Symposium for the Society for Research in Child Development; Indianapolis, Indiana.

8. Case-Smith, J., Bigsby, R. (1995). Reliability and validity of The Posture and Fine Motor Assessment of Infants, Versions I & II. Poster session, Symposium for the Society for Research in Child Development, Indianapolis, Indiana.
9. Bigsby, R. (1996). Self-regulatory behavior and cardiorespiratory reactivity at one and three months in term and preterm infants. Poster presented at the 65th Annual Meeting of The Society for Pediatric Research, Washington, D.C.
10. Bigsby, R. (1996). Self-regulatory behavior and cardiorespiratory reactivity at three months: Relations with behavior at one month. Paper presented at the 10th International Conference of Infant Studies, Providence, RI.
11. Kuecks-Morgan, R. & Bigsby, R. (1996). Ramifications of foster placement for substance-exposed infants. Poster presented at the 10th International Conference of Infant Studies, Providence, RI.
12. Bigsby, R., Case-Smith, J., Lester, B. (1998). Posture and fine motor assessment of substance exposed infants at eight months. Poster presented at the 11th International Conference of Infant Studies; Atlanta, GA.
13. Bigsby, R. & Lester, B. (1998). Self-regulatory behaviors and cardiorespiratory reactivity of very low birthweight preterm infants in the NICU. Poster presented at the 11th International Conference of Infant Studies; Atlanta, GA.
14. Bigsby, R., Case-Smith, J., Lester, B. M., Seifer, R., Lagasse, L. L., Bauer, C. R., Shankaran, S., Bada, H., Wright, L., Smeriglio, V., & Dryfoos, J. (2001). Prenatal drug exposure and motor development at 4 and 8 months. Poster presentation, Society for Research in Child Development, Minneapolis, MN.
15. Roy, I., Bigsby, R., Vergara, E. (2001). Relation between self-regulation and stress behaviors and position of preterm infants. Poster presentation, Society for Research in Child Development, Minneapolis, MN.
16. Bigsby, R. & Case-Smith, J. (2001). Posture and Fine Motor Assessment of Infants: Administration and scoring. Workshop presented at the Annual Conference of the American Occupational Therapy Association, Philadelphia, PA.

INVITED PRESENTATIONS – REGIONAL

1. "Practical Strategies for Intervention with High-Risk Infants and Their Families", Boston, MA, November 29, 2001; Sponsored by Education Resources, Medford, MA.
2. "Family-Centered Care and Infant Massage in the NICU". Boston University, Sargent School of Allied Health Professions, Occupational Therapy Department, February 27, 2004 "
3. "Occupational Therapy and Developmental Support Services for Infants in the Newborn Nurseries and their Families: Indications for Referral" Women & Infants' Hospital's Second Annual Pediatric Conference; Warwick, RI, October 1, 2005.
4. "A Practical Approach to Relationship-Based Developmental Care in the NICU"; "Optimizing the Neonatal Experience: Parlaying Excellence" - Annual Conference of the New England Order of the National Association of Neonatal Nurses; John F. Kennedy Library, Boston, MA; October 27, 2005.

5. "Sensory and Regulatory Influences on Infant Feeding: Striving for Goodness-of-Fit". 2-hour presentation; Part 3 of Series in Infant Well Being: "Regulation of the Big Three: Sleeping, Crying & Feeding". Sponsored by RI Association for Infant Mental Health"; Bradley Hospital, E. Providence, RI; May 23, 2006.
6. Evidence-based Approach to Early Intervention. Connecticut Children's Hospital, Hartford, CT, September 9-10, 2010.
7. The Griffin Memorial Symposium: Neonatal Update 2010 - Current Issues in Neonatal Care; "Improving Feeding Success in the Neonatal Care Environment" - a 1 hour presentation. Sponsored by University of Massachusetts Medical School, Department of Pediatrics, Division of Neonatology and the AAP, September 23, 2010, Marlborough MA.
8. "Is This Baby Ready to Nipple Feed? – Feeding Readiness in the NICU and Newborn Nursery", March 31, 2010, The 4th Annual Lois Diehm Memorial Neonatal Research Conference, University of Connecticut Health Center.
9. "Improving Nipple Feeding Success in the Neonatal Care Environment"; Neonatal and Pediatric Gastroenterology Summit, 2011; March 23, 2011.
10. "The Impact of Prematurity on Development and Feeding" - 1 hour presentation for Early Intervention Providers, RIPIN, Cranston, April 1, 2011.
11. "Update on Management of Brachial Plexus Injury and Fractured Clavicle in the Newborn Nursery" – ½ hour presentation for pediatric providers, St. Luke's Hospital, New Bedford, MA, May 13, 2011.
12. "Hot Topics in Breast and Bottle Feeding of the Neonate" – 1 hr. presentation for NICU Consortium. Tufts Floating Children's Hospital, Boston, MA, October 5, 2011.
13. "Enhancing Parent Participation in Care: NICU Network Neurobehavioral Scale and Pathways for Developmental and Feeding Support in the NICU", 5th Annual Laura Trainor Neonatal Research Conference, Brigham & Women's Hospital, Boston, MA, November 15, 2011.
14. "Administration and Interpretation of the Posture and Fine Motor Assessment of Infants" – 2 hr. workshop for early intervention providers, Family Resources Early Intervention Program, Providence, RI, 10/2/12.
15. "Safe Sleep Practices for Babies with Anatomical & Physiological Challenges", Southcoast Hospital Group 18th Annual Neonatal Conference, Dartmouth, MA, 11/7/13 – 1 hr. invited presentation.
16. "Breastfeeding the High-Risk Infant: Challenges and Interventions" - Clearing Rhode Blocks to Breastfeeding – Women & Infants Hospital, March 10, 2014 – 1 ½ hour invited presentation.
17. "Feeding Assessment and Interventions in Early Infancy" – RI Early Intervention Providers, Family Services, Providence, RI, - March 25, 2014 - 3 hr. invited presentation.
18. "Intervention for the High-Risk Infant – NICU and the Transition Home" – South Shore Hospital, Weymouth, MA, 10/15/15-10/16/15. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
19. "Feeding During the Transition Home from the NICU: (Almost) Everything the NICU Therapist Would Like EI Therapists to Know" – RI Early Intervention Providers, Sherlock Center, Rhode Island College, Providence, RI – April 22, 2019 - 1 hr. Invited presentation.

20. "Overview & Discussion of Infant and Family-Centered Developmental Care (IFCDC) in the NICU – New Evidence-Based Standards, Competencies and Recommendations for Best Interprofessional Practice: Considerations for Implementation in Your NICU" - New England NICU Consortium – NICU - Tufts New England Medical Center –December 2, 2020 - hr. Invited Zoom presentation.
21. Best Practices for Infant and Family-Centered Care in the NICU – An Overview" -Occupational Therapy Doctorate Program, Johnson & Wales University, Providence, RI – February 9, 2021 – 1.5 hr. Invited Zoom presentation.

INVITED PRESENTATIONS - NATIONAL

1. "Sensory Processing Dysfunction in Infancy". Pre-Institute Seminar, Eighth Biennial National Training Institute, National Center for Clinical Infant Programs, Washington, DC, December 3, 1993.
2. "Developmental and Therapeutic Intervention for the Neonate: A Seminar for Experienced NICU Therapists." New York, NY, December 2 & 3, 2001; Columbia Presbyterian, NYC; December 7-8, 2003 (A 2-day course. Sponsored by Therapeutic Services, Brooklyn, NY.)
3. "Assessment & Intervention for Infants at Risk: NICU and the Transition Home". Bayside, NY, June 5-6, 2002; Winterhaven, FL, Sept. 26-27, 2002; Mountainside, NJ, June 5-6, 2003; Phoenix, AZ, October 2-3, 2003; Houston, TX, June 17-18, 2004; Brooklyn, NY, Sept 9-10, 2004; (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA).
4. "Intervention for the High-Risk Infant: Providing Services in the NICU, Home and Early Intervention Program". Johns Hopkins Medical Center, Baltimore MD, June 17-18, 2005; St. Mary's Hospital for Children, Bayside, NY, September 22-23, 2005. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA).
5. "Neonatal Intensive Care Unit Network Neurobehavioral Scale-NNNS", & "Family-Based Intervention with High-Risk Infants"; Joe DiMaggio Children's Hospital's 4th Annual NICU Conference, Hollywood, FL; February 16, 2006.
6. "Assessment and Intervention for Infants at Risk: NICU and the Transition Home"; Institute of Living, Hartford, CT, May 4-5, 2006; Riverview Hospital, Noblesville, IN, June 1-2, 2006; Emanuel Children's Hospital, Portland Oregon, September, 29-30, 2006. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA).
7. "Intervention for the High-Risk Infant: Providing Services in the NICU and During the Transition Home"; St. Vincent's Medical Center, Jacksonville, FL, May 3-4, 2007; Sept. 27-28, 2007, Valley Medical Center, Renton, WA; Oct. 20-21, 2007, Bridgeport Hospital, Bridgeport, CT. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA; educationresourcesinc.com).
8. "Evidence-Based Interventions for High-Risk Infants and Their Families in the NICU: A Contextual Approach"; Philadelphia, PA, February 15-16, 2008. (A 2-day course for NICU professionals. Sponsored by Care Resources, Inc., Baltimore, MD; careresourcesinc.com).
9. "Evidence-Based Early Intervention Services for High-Risk Infants and Their Families", Baltimore, MD, April 18-19, 2008 (A 2-day course for health care professionals. (A 2-day course for health care professionals. Sponsored by Care Resources, Inc., Baltimore, MD; careresourcesinc.com).
10. "Intervention for the High-Risk Infant: Providing Services in the NICU, Home and Early Intervention Program", March 16-17, 2008, Ft. Worth, Texas; April 5-6, 2008, Staten Island, NY, Planned: Sept. 26-27, 2008, Decatur, GA, October 16-17, 2008, Baltimore, MD. (A 2-day course

- for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
11. "Developmental and Feeding Interventions in the NICU", Nov. 8, 2008; Jewish-Barnes Medical Center, St. Louis, MO. (A 1-day workshop for NICU professionals).
 12. "Intervention for the High-Risk Infant: Providing Services in the NICU, Home and Early Intervention Program", Englewood Hospital, Englewood, NJ, March 8-9, 2009; Children's Healthcare of Atlanta, Atlanta, GA, April 2-3, 2009; Provena Mercy Medical Center, Aurora, IL, October 15-16, 2009. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 13. "Intervention for the High-Risk Infant: Providing Services in the NICU, Home and Early Intervention Program", St. Mary's Hospital for Children, Bayside, NY, March 11-12, 2010; South Shore Hospital, Weymouth, MA, April 8-9, 2010; Cedarcrest Ctr for Children, Keene, NH, September 30 - October 1, 2010; Texas Children's Hospital, Houston, TX, October 28-29, 2010. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 14. "Intervention for the High-Risk Infant - NICU and the Transition Home" - St. Peter's Hospital, New Brunswick, NJ, March 3-4, 2011; Joe DiMaggio Children's Hospital, Hollywood FL, April 7-8, 2011; Miller Children's Hospital, Long Beach, CA, September 22-23, 2011; National Children's Hospital, Washington, DC, October 20-21, 2011; Children's Hospital of Atlanta, Atlanta, GA, November 17-18, 2011. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 15. "Intervention for the High-Risk Infant - NICU and the Transition Home" – Texas Health Harris Methodist Hospital, Fort Worth, Texas, 3/1/12-3/2/12; Child Serve, Johnston, IA, 4/13/12-4/14/12; St. Mary's Children's Hospital, Bayside, NY, 9/20/12-9/21/12; Good Samaritan Hospital, Cincinnati, OH, 10/19/12-10/20/12; Baptist Hospital of Miami, 11/16/12-11/17/12. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 16. "Intervention for the High-Risk Infant - NICU and the Transition Home" – Charlotte Allied and Public Health Educ, Charlotte, NC, 3/1/13-3/2/13; Mercy Children's Hospital, St. Louis, MO, 4/11/13-4/12/13; Vital Rehabilitation, Chicago, IL, 9/19/13-9/20/13; Women & Infants Hospital, Providence, RI, 10/17/13-10/18/13; Fairview Health, 11/15/13-11/16/13. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 17. "Intervention for the High-Risk Infant – NICU and the Transition Home" – Children's Specialized Hospital, Mountainside, NJ, 1/24/14-1/25/14; Good Samaritan Hospital, Portland, OR, 3/6/14-3/7/14; Dekalb Medical Center, Decatur, GA, 9/20/14-9/21/14; Texas Children's Hospital, Houston, TX, 10/16/14-10/17/14; Le Bonheur Children's Medical Center, Memphis, TN, 11/13/14-11/14/14. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
 18. "Impact of Sensory Experiences in the NICU and During the Transition Home – Setting the Stage for Improved Sensory Processing and Neurobehavioral Functioning" – Special Interest Section Roundtable Session – AOTA 94th Annual Conference & Expo, Baltimore Maryland, April 5, 2014 – 1 hr. invited presentation.
 19. "Clinical Application of the NICU Network Neurobehavioral Scale (NNNS) and its Relationship to Successful Infant Feeding" – 4th Annual NOMAS International Symposium – All About Feeding, San Francisco, CA, October 12, 2014 – 1 ½ hr. invited presentation.

20. "Intervention for the High-Risk Infant – NICU and the Transition Home" – Medical City Hospital, Dallas, TX, 1/22/15-1/23/15; Lakeview School, Edison, NJ, 6/4/15-6/5/15; South Shore Hospital, Weymouth, MA, 10/15/15-10/16/15. (A 2-day course for NICU professionals. Sponsored by Education Resources, Medford, MA, educationresourcesinc.com).
21. "Gravens Consensus Committee – Yearly Panel Presentation on Progress in Developing Standards and Competencies for Integrative Family Centered Developmental Care in the Intensive Care Unit – Literature and Sleep and Arousal Competencies for Professionals – 31st and 32nd Annual Gravens Conference on the Environment of Care for High-Risk Newborns: Clearwater, FL, March 2, 2018, March 8, 2019, & March 6, 2020.
22. "Occupational Therapy in the NICU – Evidence-Based Practice" - Practice Chat for Children & Youth SIS, American Occupational Therapy Association, 1 hr. invited presentation.

INVITED PRESENTATIONS - INTERNATIONAL

1. "Sensory Processing Considerations in Assessment and Intervention with High-Risk Infants and Their Families". Low Birthweight Infant Early Intervention Project, Ministry of Health, National Institute for the Mentally Handicapped, Secunderabad, India, March 29, 1994.
2. Feeding Assessment and Intervention in the NICU and During the Transition Home". Hospital Angeles del Pedregal, Mexico City, Mexico, A 3-day course for NICU professionals, February 2-4, 2005.
3. "The Importance of Nurturing Touch in the NICU". International Association of Infant Massage Instructors, October 5, 2008; Boulder, CO.
4. "Fueling Preterm Infant Development Through Family-Centered Interventions in the NICU", Presentation; February, 2010; University of Auckland, New Zealand.
5. "Clinical Application of the NICU Network Neurobehavioral Scale (NNNS) and its Relationship to Successful Infant Feeding" – 4th Annual NOMAS International Symposium – All About Feeding, San Francisco, CA, October 12, 2014 – 1 ½ hr. invited presentation.

GRANTS

Travel Award to attend Physical and Developmental Environment of the High-Risk Infant Conference, January 26-29, 2005; March of Dimes Birth Defects Foundation, Rhode Island Chapter.

Research Grant #399469, 1995-1996, \$5000.00, Reliability and Validity of the Posture and Fine Motor Assessment of Infants, Parts I and II. American Occupational Therapy Foundation, Co-Principal Investigator.

Research Grant #4680-105, 1992 - 1993, \$1000.00; Motor Behaviors as Cues to Cardiorespiratory Response in Preterm Infants. American Occupational Therapy Foundation, Principal Investigator.

UNIVERSITY TEACHING

"Development of Human Performance Abilities", OT 329/OT 529 4 credit undergraduate and entry level Master's course; 30 students, Department of Occupational Therapy, Sargent College of Allied Health Professions, Boston University, Boston, MA, Fall, 1991.

"Neuroscience Applications for Rehabilitation", OTS 293, 4 credit course for 11 post-professional graduate students, Boston School of Occupational Therapy, Tufts University, Medford, MA, Fall, 1991.

Supervisor, Master-Level Occupational Therapy Fieldwork Student from Boston University, January, 2004 through March, 2004.

Supervisor, Master-Level Occupational Therapy Fieldwork Student from Springfield University, January, 2013 through March, 2015.

Supervisor, Master-Level Occupational Therapy Fieldwork Student from New England Institute of Technology, January 2019 through March 2019.

HOSPITAL TEACHING

“Introduction to Infant Massage” – 1 - 2-hour instruction for Newborn Nursery staff, Women & Infants’ Hospital, June 22, 2005; November 16, 2005; March 15, 2006; August 9, 2006.

“Brachial Plexus Injury: Assessment & Intervention for Neonates” - Perinatal Management Seminar, Women & Infants’ Hospital, May 10, 2006.

“Developmental Care: Interventions in the NICU” – 1 hour instruction for NICU staff, Women & Infants’ Hospital, given 14 times, November 28, 2005 through January 21, 2006.

“The Fragile Infant in the NICU: Recognizing Pain & Stress – 1 hour instruction for NICU staff, Women & Infants’ Hospital, given 8 times, November 28, 2006 through December 18, 2006.

“Swallowing Dysfunction in the Neonate – Assessment & Intervention” – Perinatal Management Seminar, Women & Infants’ Hospital, March 28, 2007.

“Swallowing Dysfunction in the Neonate – Complex Patient Presentations” – Neonatal Fellows’ Seminar, Women & Infants’ Hospital, July 26, 2007.

“Challenges to Implementation of a Pathway for Developmental Care in the NICU” – Perinatal Management Seminar, Women & Infants’ Hospital, July 23, 2008.

“Evidence-Based Developmental Interventions in the NICU”, Neonatal Fellows’ Seminar, Women & Infants’ Hospital, October 22, 2009; Developmental and Behavioral Pediatrics Fellows’ Seminar, Hasbro Children’s Hospital, January 22, 2010.

“A Relationship-Based Approach to Developmental Support of High-Risk Infants & Their Families in the NICU”; Infant Mental Health Program, Brown Center for the Study of Children at Risk. WIH – 2 – day course for NICU Professionals - June 7-8, 2010.

“Neurobehavioral Assessment of the Preterm Infant”- 1 hour presentation with B. Lester - Perinatal Management Seminar, WIH Dept of Pediatrics, July 14, 2011

“Developmental and Feeding Interventions in the NICU at WIH” - 1/2-hour presentation for visiting neonatologists from Vancouver, BC., March 29, 2011.

“The High Five on the Upper Extremity Program - Perinatal Management of Brachial Plexus Injury and Fractured Clavicle” - 1 hour presentation - Perinatal Management Seminar, WIH Dept of Pediatrics, April 6, 2011.

“Non-Pharmacologic Treatment of Reflux” – 1 hour presentation – Perinatal Noon Conference – Presented with Lynne Pryztac, January 31, 2013.

“Current Approaches to Initiating and Progressing Breast and Bottle Feeding in the NICU: Cue-Based Feeding, Infant Driven Feeding, Co-Regulated Approach – Which is Best for Infants, Parents & Staff? – 45-minute invited presentation for NICU Shared Governance Committee, June 20, 2013.

“Assessing Readiness for and Quality of Breast and Bottle Feeding in the NICU”, WIH NICU, Noon Conference, January 30, 2014 – 1 hr.

“Assessing Readiness for and Quality of Breast and Bottle Feeding in the NICU”, Kent Hospital NICU, February 24, 2014 – 1hr.

“Breastfeeding the High-Risk Infant: Challenges and Interventions” RI Breastfeeding Coalition Annual Conference, March 10, 2014 – 1hr.

“Thickening Feedings as an Intervention for Dysphagia” WIH NICU, Perinatal Noon Conference, July 30, 2015 – 1 hr.

“Assessing Readiness for and Quality of Breast and Bottle Feeding in the NICU”, NICU NNP Noon Conference, WIH, March 27, 2014– 1hr.

“Readiness for and Progression of Breast and Bottle Feeding in the NICU: Putting the Breast First” – Perinatal Management Conference – April 16, 2014 – 1 hr.

“Assessing Readiness for and Quality of Breast and Bottle Feeding in the NICU”, WIH NICU, Breast Feeding Fair, May 29, 2014 – 6 hr.

“Sensory Impact of NICU Environment” Hasbro Children’s Hospital – Seminar for Fellows in Developmental and Behavioral Pediatrics – January 12, 2015 – 1 hr.

“Sensory Impact of NICU Environment” WIH NICU, Seminar for NICU Fellows, May 14, 2015 – 1 hr.

“Feeding Difficulties in the Newborn” – Perinatal Management Conference, WIH. December 16, 2015 – 1 hr.

“Feeding Difficulties in the Newborn – Grand Rounds – Hasbro Children’s Hospital – April 15, 2016 – 1hr.

“Feeding Challenges of the Late Preterm Infant: The Great Imposters” Noon Conference, WIH NICU - December 29, 2016 – 1 hr.

“Evidence-Based Developmental Interventions in the NICU” Seminar for NICU Fellows, June 29, 2017 – 1hr.

“A Multi-Disciplinary Approach to Ankyloglossia (Tongue-Tie) Perinatal Management Conference, WIH March 27, 2019 – 1 hr.

ONGOING HOSPITAL TEACHING – Pre-Retirement

“Developmental Considerations for Infants in Neonatal Intensive Care, and Family-Centered Interventions During the Hospital Stay and the Transition Home” - Monthly didactic/practicum training for pediatric residents of the Brown University School of Medicine, Developmental and Behavioral Rotation, January through June, 1994 to June, 2019.

“Evidence-based Developmental Interventions in the NICU and Newborn Nurseries” – ½ hour presentation for pediatric residents as part of Newborn Curriculum; Monthly, in the NICU, January through March, 2010 to June, 2019.

“Feeding Issues in the NICU and Newborn Nurseries” - ½ hour presentation for pediatric residents as part of Newborn Curriculum; Monthly, in the NICU, April through June, 2010 to June, 2019.

“Developmental and Family Centered Care in the NICU” – 2-hour instruction for all newly hired RN’s preparing to begin working in the NICU, Women & Infants’ Hospital, 2001 to June, 2019.