

## CURRICULUM VITAE

### PAULA P. MEIER

#### EDUCATION:

Rush University College of Nursing 1743 West Harrison Street Chicago, Illinois 60612	June, 1985	Doctor of Nursing Science (DNSc)
Marcella Niehoff School of Nursing Loyola University of Chicago 6525 North Sheridan Road Chicago, Illinois 60626	February, 1977	M.S.N.
University of Illinois College of Nursing 845 South Damen Avenue Chicago, Illinois 60612	June, 1971	B.S.N.

#### PROFESSIONAL EXPERIENCE:

<i>Institution</i>	<i>Period Employed</i>	<i>Position</i>
Rush University Medical Center 1653 West Congress Parkway Chicago, Illinois 60612	2008-present	<i>Professor</i> , Pediatrics, Rush Medical College
Rush University Medical Center 1653 West Congress Parkway Chicago, Illinois 60612	1996-present	<i>Director</i> for Clinical Research and Lactation, Neonatal Intensive Care Unit; and <i>Professor</i> of Women, Children and Family Nursing, Rush College of Nursing
University of Pennsylvania School of Nursing Philadelphia, Pennsylvania 19104	1996-2001	Adjunct Professor, Associate Faculty, School of Nursing
University of Illinois College of Nursing 845 South Damen Avenue Chicago, Illinois 60612	1991-1996	Associate Professor Maternal-Child Nursing (Tenured)
University of Illinois College of Nursing 845 South Damen Avenue Chicago, Illinois 60612	1985-1991	Assistant Professor Maternal-Child Nursing, Coordinator, Graduate Perinatal Nursing
Michael Reese Hospital 2929 South Ellis Chicago, Illinois 60616	1976-1981	Clinical Nurse Specialist Supervisor, Special Care Nursery

**PROFESSIONAL EXPERIENCE (continued):**

<b><i>Institution</i></b>	<b><i>Period Employed</i></b>	<b><i>Position</i></b>
Marcella Niehoff School of Nursing Loyola University of Chicago 6525 North Sheridan Road Chicago, Illinois 60626	1977-1980	Clinical Instructor (non-salaried)
University of Illinois Hospital 840 South Wood Chicago, Illinois 60612	1975-1997 June-August	Staff Nurse Pediatric ICU
University of Illinois College of Nursing 845 South Damen Chicago, Illinois 60612	1974-1975	Teaching Assistant
Cochran School of Nursing St. John's Riverside Hospital 967 North Broadway Yonkers, New York 10706	1973-1974	Instructor, Maternity Nursing
Tufts-New England Medical Center 171 Harrison Boston, Massachusetts 02111	1972-1973	Staff Nurse, Neonatal/Pediatric ICU
University of Illinois Hospital 840 South Wood Chicago, Illinois 60612	1971-1972	Staff Nurse II, High-Risk Nursery
University of Illinois Hospital 840 South Wood Chicago, Illinois 60612	1970-1971	Student Nurse Assistant, High-Risk Nursery

**DISSERTATION RESEARCH:**

"The Effects of Breast and Bottle Feeding on Transcutaneous Oxygen Pressure (TcPO<sub>2</sub>) in Small Preterm Infants"

**FUNDED RESEARCH:**

**In Progress:**

Department of Adult Health and Gerontologic Nursing & Women, Children and Family Nursing  
*Psychological distress in mothers of VLBW infants: Association with parenting, breastmilk and maternal role development.* \$5,000

Role: Co-Investigator

Rush University Pilot Program Grant          Johnson (PI)          09/2011-08/2013  
*Economic Model of Human Milk as a Long-Term Strategy in Extremely Low Birth Weight Infants (ELBW).* \$100,000.

Role: Co-Investigator

**FUNDED RESEARCH (continued):**

**In Progress:**

AHRQ: 1R18AE000028 Phillips (PI) 9/20/2010-8/31/2013  
*Accelerating Adoption of Comparative Effectiveness Research in Premature Infants.*

Role: Co-Investigator

Rush University Medical Center Johnson (PI) 07/01/2011- 06/30/2013  
Scientific Leadership Committee  
*Economic Model of Human Milk as a Long-Term Strategy in Extremely Low Birth Weight Infants.* \$100,000.

Role: Co-Investigator

NIH: RO1NR010009 Meier (PI) 10/2007-05/2012  
*Health Outcomes and Cost of Human Milk for Very Low Birthweight Infants.* \$2.76 Million.

Role: Principal Investigator

Rush University Pilot Program Grant Patel (PI) 10/2008-03/2012  
*The Impact of Early Enteral Feed Type on Initial Gut Microflora and Disease in Very Low Birth Weight Premature Infants.*

Role: Co-Investigator

**COMPLETED FUNDED RESEARCH (Principal Investigator):**

*Breastfeeding Peer Counselors in the NICU: Increasing Access to Care for Very Low Birthweight Infants.* Illinois Children's Healthcare Foundation, Hinsdale, IL. January, 2005-December, 2007. \$190,000.

*Comfort and Effectiveness of New Breast Pumping Patterns for Mothers of Premature Infants.* Medela, Inc. June, 2006-June, 2007. \$12,000.

*Accuracy of a New Centrifuge for Measuring Creamatocrits in the NICU.* Separation Technology, Orlando, FL. September, 2003-September, 2004. \$24,000.

*Comfort and Effectiveness of the Symphony Breastpump: A Multi-Site, Randomized Comparison of Three Suction Patterns.* Medela, Inc. July 1, 2002-June 30, 2004. \$150,000.

*Rush Mother's Milk Club: Profile and Breastfeeding Outcomes.* Rush College of Nursing Research Resource Fund. July 1, 1997-June 30, 1998. \$4,975.

*Nursing Management of Breastfeeding for Preterm Infants.* (FIRST award) National Center for Nursing Research, NIH. September 1988-August 1994. \$550,000.

*The Accuracy of a New Scale for In-Home Test-Weighing for NICU Mothers and Infants.* Medela, Inc. May 1993-December 1993. \$4,300.

*Reliability of In-Bed Weighing Procedures for High Risk Infants.* Biomedical Research Support Grant. April 1989-April 1990. \$1,930.

*Patterns of Intake during Breast Feeding in Preterm Infants.* American Nurses' Foundation. October 1987-January 1989. \$2,696.

**COMPLETED FUNDED RESEARCH (Principal Investigator) (continued):**

*Bottle and Breastfeeding: Physiological Effects on Preterm Infants.* NANN (National Association of Neonatal Nurses). December 1987-December 1988. \$2,496.

*Feeding Warm and Unwarmed Formula: Physiologic Effects on Preterm Infants.* NAACOG (Nurses Association of the American College of Obstetricians and Gynecologists). June 1987-June 1988. \$2,000.

*Infant Scales: Determination and Comparison of Reliability and Validity.* University of Illinois College of Nursing Biomedical Research Support Grant (#2S07-RR05776-06, Division of Research Resources, National Institutes of Health). November 1986-October 1987. \$1,981.

*Bottle and Breastfeeding: Physiologic Effects on Preterm Infants.* University of Illinois College of Nursing Intramural Grant. June 1987. \$5,550.

**COMPLETED FUNDED RESEARCH (Co-Investigator):**

*A Randomized Study of Human Milk-Based versus Bovine-Based Nutrition for Very Low Birth Weight Pre-term Infants.* Prolacta Bioscience. Role: Co-Investigator. January 2008-February 2009. \$120,000.

*The Effect of Human Milk Feedings on Growth Velocity and Major Morbidity in Extremely Low Birth Weight Infants in the Neonatal Intensive Care Unit.* Rush University Committee on Research. 2005-2007. \$13,742.

*Maternal Milk Volume (MMV) and Milk Transfer (MT) for Low-Birthweight Infants (<2500g) in Ecuador: Comparison of Electric Breast Pump and Hand Expression.* Rush College of Medicine Summer Research Award to a Medical Student (Shelby Joseph and Julie Matthews). Ushanalini Vasan, Principal Investigator. (Role as Co-PI included serving as student's academic sponsor for this award). June-September, 2003. \$4,000.

*Breastfeeding Services for LBW Infants—Outcomes and Cost—Minority Supplement.* National Institute of Nursing Research, NIH (Grant R01NR03881). Linda P. Brown, Principal Investigator, 1996-2000. \$170,987.

*Low Income Women Can do it, Too! Dose and Cost of Own Mother's Milk Feedings for Very Low Birth Weight Infants.* Medela, Inc. Stefanie Spanier Mingolelli, Principal Investigator. July 1999-June 2000. \$5,000.

*Lactoengineering Own Mother's Milk for Very Low Birthweight Infants: Effect on Weight Gain for a Cohort of Nigerian Infants.* Rush College of Medicine Summer Research Award to a Medical Student (Rebecca Hampton). Tina Slusher, Principal Investigator. (Role as Co-PI included student's academic sponsor for this award) June-August 1999. \$2,000.

*Maternal Experiences of Breast Feeding a Preterm Infant in the Post-Discharge Period.* University of Illinois College of Nursing Internal Research Support Fund. Karen L. Kavanaugh, Principal Investigator, November 1990. \$2,906.

**FUNDED NATIONAL RESEARCH SERVICE AWARDS (NRSA):**

Chathas, M. K. *Nursing Management of Infants with PCVC's* (Fellowship #F31 NR06189-02). National Institutes of Health; 1989-1991. \$37,500/yr. Role: Sponsor.

DeMonterice-Dowling, D. *Responses of Preterm Infants to Enteral Feeding* (Fellowship #F31 NR06667). National Institutes of Health; 1991-1993. \$38,400/yr. Role: Sponsor.

Rodriguez, N. *Infection in ELBW Infants: Protection with Mothers' Milk* (Fellowship #1F31 NR07584). National Institutes of Health; 2000-present. \$32,788/yr. Role: Sponsor.

**AHRQ DISSERTATION GRANT FOR DOCTORAL STUDENTS:**

Jegier, Briana J. *The economics of mothers' milk feedings in the neonatal intensive care unit* (September 2006-September 2007). Role: Co-sponsor.

**PUBLICATIONS:**

**Journal Manuscripts:**

Meier, P. P., Engstrom, J. L., & Rossman, B. (2013). Breastfeeding peer counselors as direct lactation care providers in the neonatal intensive care unit. *JOGNN*. (in press).

Patel, A., Johnson, T. J., Engstrom, J. L., Fogg, L. F., Jegier, B., Bigger, H. R., & Meier, P. P. (2012). Impact of early human milk on sepsis and health care costs in very low birth weight infants. *Journal of Perinatology*. (in press).

Rossman, B., Engstrom, J. L., & Meier, P. P. (2012). Healthcare providers perceptions of breastfeeding peer counselors in the neonatal intensive care unit. *Research in Nursing and Health*, 35 (5), 460-474.

Higgins, R. D., Devaskar, S., Hay, W. W., Ehrenkranz, R. A., Greer, F. R., Kennedy, K., Meier, P., Papile, L., & Sherman, M. P. (2012). Executive summary of the workshop "Nutritional challenges in the high risk infant". *Journal of Pediatrics*, 160 (3), 511-516.

Johnson, T. J., Patel, A., Jegier, B., Engstrom, J., & Meier, P. (2012). The cost of morbidities in very low birth weight infants. *Journal of Pediatrics*. Aug 18, 2012. [Epub ahead of print].

Meier, P. P., Engstrom, J. L., Janes, J. E., Jegier, B. J., & Loera, F. (2011). Breast pump suction patterns that mimic the human infant during breastfeeding: greater milk output in less time spent on pumping for breast pump-dependent mothers with premature infants. *Journal of Perinatology*, 32, 103-110.

Rossman, B., Engstrom, J. L., Meier, P. P., Vonderheid, S., Norr, K. F., & Hill, P. D. (2011). "They've walked in my shoes": Mothers of very low birthweight infants and their experiences with breastfeeding peer counselors in the neonatal intensive care unit. *Journal of Human Lactation*, 27, 14-24.

Meier, P. P., Engstrom, J. L., Patel, A. P., Jegier, B. J., & Bruns, N. E. (2010). Improving the use of human milk during and after the NICU stay. *Clinics in Perinatology*, 37, 217-245.

**PUBLICATIONS:**

**Journal Manuscripts (continue):**

- Jegier, B. J., Meier, P. P., Engstrom, J. L., & McBride, T. (2010). The initial maternal cost of providing 100 mLs of human milk for very low birthweight infants in the neonatal intensive care unit. *Breastfeeding Medicine*, 5, 1-7.
- Sullivan, S., Schanler, R. J., Kim, J. H., Patel, A. L., Trawöger, R., Kiechl-Kohlendorfer, U., Chan, G. M., Blanco, C. L., Abrams, S., Cotton, C. M., Laroia, N., Ehrenkranz, R. A., Dudell, G., Cristofalo, E. A., Meier, P. P., Lee, M. L., Rechtman, D. J., & Lucas, A. (2010). An exclusively human milk-based diet is associated with a lower rate of necrotizing enterocolitis than a diet of human milk and bovine milk-based products. *The Journal of Pediatrics* 156(4), 562-567.
- Rodriguez, N. R., Meier, P. P., Groer, M. W., & Zeller, J. M. (2009). Oropharyngeal administration of colostrum to extremely low birth weight infants: Theoretical perspectives. *Journal of Perinatology*, 29, 1-7.
- Patel, A. L., Engstrom, J. L., Meier, P. P., Jegier, B. J., & Kimura, R. E. (2009). Calculating postnatal growth velocity in very low birth weight (VLBW) infants. *Journal of Perinatology*, 29, 618-622.
- Meier, P. P., Engstrom, J. L., Hurst, N. M., Ackerman, B., Allen, M., Motykowski, J. E., Zuleger, J. L., & Jegier, B. J. (2008). A comparison of the efficiency, efficacy, comfort and convenience of two hospital-grade electric pumps for mothers of very low birthweight infants. *Breastfeeding Medicine*, 3(3), 141-150.
- Meier, P. P., & Engstrom, J. L. (2007). Evidence-based practices to promote exclusive feeding of human milk in very low- birthweight infants. *Neoreviews*, 8, e467-477.
- Patel, A. L., Meier, P. P., & Engstrom, J. L. (2007). The evidence for use of human milk in very low-birthweight preterm infants. *Neoreviews*, 8, e459-466.
- Meier, P. P., Furman, L. M., & Degenhardt, M. (2007). Increased lactation risk for late preterm infants and mothers: Evidence and management strategies to protect breastfeeding. *Journal of Midwifery Women's Health*, 52, 579-587.
- Engstrom, J. L., Meier, P. P., Jegier, B., Motykowski, J. E., & Zuleger, J. L. (2007). Comparison of milk output from the right and left breasts during simultaneous pumping in mothers of very low birthweight infants. *Breastfeeding Medicine*, 2(2), 83-91.
- Meier, P. P., & Engstrom, J. L. (2007). Test weighing for term and preterm infants an accurate procedure (letter). *Archives of Disease in Childhood Fetal and Neonatal Edition*, 92, 155-156.
- Slusher, T., Slusher, I., Biomdo, M., Bode-Thomas, F., Curtis, B., & Meier, P. P. (2007). Electric breast pump use increases maternal milk volume in African Nurseries. *Journal of Tropical Pediatrics*, 53(2), 125-130.

**PUBLICATIONS:**

**Journal Manuscripts (continue):**

- Meier, P., Engstrom, J. L., Zuleger, J. L., Motykowski, J. E., Vasan, U., Meier, W. A., Hartmann, P. E., & Williams, T. M. (2006). Accuracy of a user-friendly centrifuge for measuring creatinocrits on mothers' milk in the clinical setting. *Breastfeeding Medicine*, 1(2), 79-87.
- Patel, A.L., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2005). Accuracy of methods for calculating postnatal growth velocity in extremely low birth weight infants. *Pediatrics*, 116, 1466-1473.
- Meier, P. (2005). Concerns regarding industry-funded trials (Letter to the Editor). *Journal of Human Lactation*, 21, 121-123.
- Rodriguez, N. A., Miracle, D. J., & Meier, P. P. (2005). Sharing the science on human milk feedings with mothers of very-low-birth-weight infants. *JOGNN*, 34, 109-119.
- Miracle, D. J., Meier, P. P., & Bennett, P. (2004). Mothers' decisions to change from formula to mothers' milk for very-low-birth-weight infants. *JOGNN*, 3(6), 692-703.
- Schwarz, B., Fatzinger, C., & Meier, P. P. (2004). Rush SpecialKare Keepsakes: Families celebrating the NICU journey. *MCN, American Journal of Maternal Child Nursing*, 29(6), 354-363.
- Hurst, N. M., Meier, P. P., & Engstrom, J. L., et al. (2004). Mothers performing in-home measurement of milk intake during breastfeeding of their preterm infants: Maternal reactions and feeding outcomes. *Journal of Human Lactation*, 20(2), 178-187.
- Meier, P. P., Engstrom, J. L., Mingoelli, S., Miracle, D. J., & Kiesling, S. (2004). The Rush Mothers' Milk Club: Breastfeeding interventions for mothers with very-low-birth-weight infants. *JOGNN*, 33(2), 164-174.
- Slusher, T., Hampton, R., Bode-Thomas, F., Pam, S., Akor, F., & Meier, P. P. (2003). Promoting the exclusive feeding of own mother's milk through the use of hindmilk and increased maternal milk volume for hospitalized, low birth weight infants (<1800 grams) in Nigeria: A feasibility study. *Journal of Human Lactation*, 19(2), 191-198.
- Meier, P. P. (2003). Supporting lactation in mothers with very low birth weight infants. *Pediatric Annals*, 32(5), 317-325.
- Brown, L. P., Bair, A. H., & Meier, P. P. (2003). Does federal funding for breastfeeding research target our national health objectives? *Pediatrics*, 111(4), e360-364.
- Meier, P. P., Engstrom, J. L., Murtaugh, M. A., Vasan, U., Meier, W. A., & Schanler, R. J. (2002). Mothers' milk feedings in the neonatal intensive care unit: Accuracy of the creatinocrit technique. *Journal of Perinatology*, 22(8), 646-649.
- Dowling, D. A., Meier, P. P., DiFiore, J. M., Blatz, M. A., & Martin, R. J. (2002). Cup-feeding for preterm infants: Mechanics and safety. *Journal of Human Lactation*, 18(1), 13-20.

**PUBLICATIONS:**

**Journal Manuscripts (continue):**

- Meier, P. P. (2001). Breastfeeding in the special care nursery: Prematures and infants with medical problems. *The Pediatric Clinics of North America*, 48(2), 425-442.
- Griffin, T. L., Meier, P. P., Bradford, L. P., Bigger, H. R., & Engstrom, J. L. (2000). Mothers' performing creatinocrit measures in the NICU: Accuracy, reactions and cost. *JOGNN*, 29(3), 249-257.
- Meier, P. P., Brown, L. P., Hurst, N. M., Spatz, D. L., Engstrom, J. L., Borucki, L. C., & Krouse, A. M. (2000). Nipple shields for preterm infants: Effect on milk transfer and duration of breastfeeding. *Journal of Human Lactation*, 16(2), 106-113.
- Meier, P. P., Murtaugh, M., Vasan, U., Meier, W. A., & Schanler, R. J. (1999). Modification of the lipid concentration in own mothers' milk feedings in the NICU: Clinical application of the creatinocrit technique. *Pediatric Research (abstracted)*, 45, 125A.
- Meier, P. P., Brown, L. P., Hurst, N. M., Spatz, D. L., & Engstrom, J. L. (1999). Nipple shields for preterm infants: Effect on milk intake and duration of breastfeeding. *Pediatric Research (abstracted)*, 45, 287A.
- Hurst, N. M., Meier, P. P., & Engstrom, J. L. (1999). Mothers performing in-home measurements of milk intake during breastfeeding for their preterm infants: Effects on breastfeeding outcomes at 1, 2, and 4 weeks post-NICU discharge. *Pediatric Research (abstracted)*, 45, 125A.
- Meier, P. P., & Brown, L. P. (1998). Breastfeeding: Letter to the editor. *JOGNN*, 27, 604-605.
- Meier, P. P. (1998). Extremely low birthweight infants: Individualizing the lipid content of own mothers' milk. *Academy of Breastfeeding Medicine News and Views*, 4(1), 1-6.
- Meier, P. P., & Brown, L. P. (1997). Breastfeeding a preterm infant after NICU discharge: Reflections on Ryan's story. *Breastfeeding Abstracts*, 17(1), 3-4.
- Brown, L., Bair, A., Meier, P., Pugh, L., Spatz, D., Borucki, L., & Morin, K. (1998). Accessing online information at the National Institutes of Health: Highlights and practical tips. *Computers in Nursing*, 16(4), 198-201.
- Vasan, U., Meier, P. P., Meier, W. A., & Kristen, D. (1998). Individualizing the lipid content of own mother's milk: Effect on weight gain for extremely low birth weight infants. *Pediatric Research (abstracted)*, 45, 278A.
- Meier, P. P., & Brown, L. P. (1997). Letter to the editor. *Journal of Nurse-Midwifery*, 42(1), 65-66.
- Meier, P. P., & Brown, L. P. (1997). Strategies for assisting breastfeeding in preterm infants. *Recent Advances in Pediatrics*, 15, 137-150. London: Churchill-Livingstone Press.
- Kavanaugh, K., Meier, P., Zimmermann, B., & Mead, L. (1997). The rewards outweigh the efforts: Breastfeeding outcomes for mothers of preterm infants. *Journal of Human Lactation*, 13(1), 15-21.



**PUBLICATIONS:**

**Journal Manuscripts (continue):**

- Jennings, T. L., Meier, P. P., & Meier, W. A. (1997). High lipid and caloric content in milk from mothers of preterm infants. *Pediatric Research (abstracted)*, 41, 233A.
- Meier, P. P. (1996). Suck-breathe patterning during bottle and breast feeding for preterm infants. *British Journal of Clinical Practice (International Congress and Symposium series 215, Major controversies in infant nutrition, T. J. David, Ed, London: Royal Society of Medicine Press)*, 9-20.
- Meier, P. P., & Brown, L. P. (1996). State of the science: Breastfeeding for mothers and low birth weight infants. *Nursing Clinics of North America*, 31(2), 351-365.
- Brown, L. P., Meier, P. P., Spatz, D. J., Zukowsky, K., & Spitzer, A. (1996). Use of human milk for low birthweight infants. *On-Line Journal of Knowledge Synthesis for Nursing*, 3(27).
- Meier, P. P., Engstrom, J. L., Fleming, B. A., Streeter, P. L., & Lawrence, P. B. (1996). Estimating milk intake of hospitalized preterm infants who breastfeed. *Journal of Human Lactation*, 12, 21-26.
- Kavanaugh, K., Mead, L., Meier, P., Mangurten, H. H. (1995). Getting enough: Mothers' concerns about breastfeeding a preterm infant post-discharge. *JOGNN*, 24, 23-32.
- Engstrom, J. L., Kavanaugh, K. L., Meier, P. P., Boles, E., Hernandez, J., Wheeler, D., & Chuffo, R. (1995). Reliability of in-bed weighing procedures for critically ill infants. *Neonatal Network*, 14, 27-33.
- Meier, P. P., Engstrom, J. L., Crichton, C. L., Clark, D. R., Williams, M. M., & Mangurten, H. H. (1994). A new scale for in-home test-weighing for mothers of preterm and high risk infants. *Journal of Human Lactation*, 10(3), 163-168.
- Brennan-Behm, M., Carlson, E., Meier, P. P., & Engstrom, J. L. (1994). Caloric loss from expressed mothers' milk during continuous gavage infusion. *Neonatal Network*, 13(2), 27-32.
- DeMonterice, D., Meier, P. P., Engstrom, J. L., Crichton, C., & Mangurten, H. (1992). Concurrent validity of a new instrument to measure sucking for preterm infants. *Nursing Research*, 41, 342-346.
- Mead, L. J., Chuffo, R., Lawlor-Klean, P., & Meier, P. P. (1992). Breastfeeding success with preterm quadruplets. *JOGNN*, 21, 221-227.
- Kavanaugh, K. L., Engstrom, J. L., Meier, P. P., & Lysakowski, T. Y. (1990). How reliable are scales for weighing preterm infants? *Neonatal Network*, 9(3), 29-32.
- Meier, P. P., Lysakowski, T. Y., Engstrom, J. L., Kavanaugh, K. L., & Mangurten, H. H. (1990). The accuracy of test weighing for preterm infants. *Journal of Pediatric Gastroenterology and Nutrition*. 10, 62-65.
- Ifft, D. L., Engstrom, J. L., Meier, P. P., Kavanaugh, K. L., & Yousuf, C. K. (1989). The reliability of head circumference measurements for preterm infants. *Neonatal Network*, 8(3), 41-45.

**PUBLICATIONS:**

**Journal Manuscripts (continue):**

- Kavanaugh, K. L., Meier, P. P., & Engstrom, J. L. (1989). The reliability of weighing procedures for preterm infants. *Nursing Research*, 38, 178-179.
- Meier, P. P., McCoy, R., Mangurten, H. (1988). Management of breastfeeding for preterm infants. *Breastfeeding Abstracts*, 8(1), 1-2.
- McCoy, R., Kadowaki, C., Wilks, S., Engstrom, J. L., & Meier, P. P. (1988). Nursing management of breastfeeding for preterm infants. *Journal of Perinatal and Neonatal Nursing*, 2, 42-45.
- Meier, P. P. (1988). Bottle and breastfeeding: Effects on transcutaneous oxygen pressure and temperature in small preterm infants. *Nursing Research*, 37, 36-41.
- Wilks, S., & Meier, P. P. (1988). Helping mothers express milk for preterm and high-risk infant feeding. *MCN, American Journal of Maternal Child Nursing*, 13(2), 121-123.
- Meier, P. P., & Anderson, G. C. (1987). Responses of small preterm infants to bottle- and breast-feeding. *MCN, American Journal of Maternal Child Nursing*, 12(2), 97-105.
- Meier, P. P., & Wilks, S. (1987). The bacteria in expressed mothers' milk. *MCN, American Journal of Maternal Child Nursing*, 12(6), 420-423.
- Meier, P. P., & Pugh, E. (1986). The case study: A viable approach to clinical research. *Research in Nursing and Health*, 9, 195-202.
- Meier, P. P., & Pugh, E. (1985). Breastfeeding behavior in small preterm infants. *MCN, American Journal of Maternal Child Nursing*, 10, 396-401.
- Meier, P. P. (1984). Critique of "Endotracheal suctioning of the neonate" (Research Commentary). *Neonatal Network*, 2, 22-26.
- Cagan, J., & Meier, P. P. (1983). Evaluation of a discharge planning tool for families of high-risk infants. *JOGNN*, 12, 275-281.
- Meier, P. P. (1983). Research methodologies in neonatal nursing. *Neonatal Network*, 2(2), 16-22.
- Meier, P. P., & Todd, C. (1983). Four-day, forty-hour workweek for neonatal intensive care nurses. *JOGNN*, 12(S), 89S-95S.
- Meier, P. P. (1980). A program to support breastfeeding in the special care nursery. *Perinatology/Neonatology*, 4, 43-48.
- Cagan, J., & Meier, P. P. (1979). A discharge planning tool to use with families of high-risk infants. *JOGNN*, 8, 146-148.
- Meier, P. P. (1979). CPT: Which method, if any? (Research Commentary). *MCN, American Journal of Maternal Child Nursing*, 4, 310-311.

### **BOOK CHAPTERS:**

- Meier, P. P., Patel, A. L., Bigger, H. R., Rossman, B., & Engstrom, J. L. (2013). Supporting breastfeeding in the neonatal intensive care unit: Rush Mother's Milk Club as a case study of evidence-based care. In Morrow A. & Chantry C. (Eds.) *Pediatric Clinics of North America: Breastfeeding Updates for the Pediatrician*. (pp. 209-226). Oxford, UK: Elsevier.
- Rossman, B., Greene, M. M., Kratovil, A., & Meier, P. P. (2012). Supporting mothers of infants in the NICU. In V. Thorley & M. C. Vickers (Eds.). *The 10<sup>th</sup> Step and Beyond: Mother Support for Breastfeeding*. Amarillo, TX: Hale Publishing, 2012.
- Engstrom, J. L., Meier, P. P., & DeCocker-Geist, K. (2012). Evidence based practices to promote, support and protect breastfeeding. In B. A. Anderson & S. Stone (Eds.). *Best practices in midwifery: Using the Evidence to Implement Change*. New York, NY: Springer Publishers.
- Engstrom, J. L., & Meier, P. P. (2012). Using self-efficacy theory to help vulnerable women breastfeed. In M. de Chesnay & B. A. Anderson (Eds.). *Caring for the vulnerable: Perspectives in nursing theory, research, and practice* (3<sup>rd</sup> ed., pp. 169-181). Burlington, MA: Jones & Bartlett Learning.
- Hurst, N. M., & Meier, P. P. (2004). Breastfeeding the preterm infant. In J. Riordan (Ed.), *Breastfeeding and Human Lactation*. (pp. 367-408). Boston: Jones and Bartlett.
- Meier, P. P., Brown, L. P., & Hurst, N. M. (1999). Breastfeeding the special care infant. In J. Riordan & K. G. Auerbach (Eds.), *Breastfeeding and Human Lactation*. Boston: Jones and Bartlett.
- Meier, P. P., & Mangurten, H. H. (1993). Breastfeeding the preterm infant. In J. Riordan & K. G. Auerbach (Eds.), *Breastfeeding and Human Lactation*, (pp. 253-278). Boston: Jones & Bartlett.
- Lefrack-Okikawa, L., & Meier, P. P. (1993). Physiological basis of metabolism and management for enteral and parenteral nutrition. In C. Kenner, A. Brueggemeyer, & L. Gunderson (Eds.), *Comprehensive Neonatal Nursing Care: A Physiologic Perspective*, (pp. 414-433). Orlando: Saunders.
- Meier, P. P., & Riordan, J. (1983). Breastfeeding support in the high-risk nursery and at home. In J. Riordan (Ed.), *A Practical Guide to Breastfeeding*, (pp. 237-247). St. Louis: Mosby.

### **BOOKS:**

- Meier, P., & Patton, J. B. (Eds.). (1984). *Clinical decision making in neonatal intensive care*. New York: Grune and Stratton.

### **PROFESSIONAL BOOKLETS:**

- Meier, P. P. (1996). *Breastfeeding the premature infant: Health professional's guide*. Columbus, OH: Ross Pediatrics.

**CONSUMER PUBLICATIONS:**

- Meier, P. P. (2011). *Breastfeeding your late preterm infant*. McHenry, IL: Medela, Inc.
- Meier, P. P. (2002). *Breastfeeding your premature baby* (2<sup>nd</sup> Ed.). Columbus, OH: Ross Pediatrics.
- Meier, P. P. (2002). *Breastfeeding your multiple babies*. Columbus, OH: Ross Pediatrics.
- Meier, P. P. (1996). *Breastfeeding your premature baby*. Columbus, OH: Ross Pediatrics.
- Meier, P. P. (1996). *Deciding to breastfeed your premature baby* (Tearsheet). Columbus, OH: Ross Pediatrics.
- Meier, P. P. (1996). *Breastfeeding your premature baby during the first week at home* (Tearsheet). Columbus, OH: Ross Pediatrics.
- Meier, P. P. (1994). *Breastfeeding the premature baby: A research review*. News Brief 9. (pp. 1-15). Indianapolis, IN: Parent Care, Inc.
- Meier, P. P. (1994). *The baby weight™ scale from Medela: Parents' instructions*. McHenry, IL: Medela, Inc.
- Meier, P. P. (1980). *Breastfeeding your special care baby*. Chicago, IL: Michael Reese Hospital and Medical Center.

**OTHER MEDIA:**

- Meier, P. P. (2012). *Lunch with the Rush Mother's Milk Club: Sharing the Science and Support*. (Documentary about weekly luncheon meetings where families learn the science of human milk and lactation, and meet other NICU families). Chicago, IL: Rush University Medical Center.
- Meier, P. P. (2011). *In our hands: The evolution of the Rush Mother's Milk Club*. (Documentary emphasizing the development of this premier lactation program for neonatal intensive care units). Chicago, IL: Rush University Medical Center.
- Meier, P. P. (2009). *In your hands: The importance of mothers' milk for premature babies*. (Parent-focused DVD emphasizing the importance of human milk in infants that are born prematurely). Chicago, IL: Rush University Medical Center.
- Schanler, R. J., & Meier, P. P. (2002). *Mothers' milk for the premature baby* (Video for neonatologists and neonatal nurses). Columbus, OH: Children's hospital and Ross Pediatrics.
- Meier, P. P., Engstrom, J. L., & Motykowski, J. E. (2006). *Correctly-fitted breast shields for pump-dependent mothers of NICU infants*. (Educational power point presentation). McHenry, IL: Medela, Inc.
- Meier, P. P., Engstrom, J. L., & Motykowski, J. E. (2006). *Creatocrit measures in the NICU* (Educational power point presentation). McHenry, IL: Medela, Inc.

**Reviewer for Following Journals:**

- Pediatric Research
- Pediatrics
- Journal of Pediatrics
- Journal of Perinatology
- Early Human Development
- Breastfeeding Medicine
- Archives of Diseases in Childhood Fetal and Neonatal Edition
- Journal of Human Lactation
- Journal of Nutrition

**SPECIAL HONORS AND AWARDS:**

Leadership in Research Award, Rush University Faculty Awards, June 28, 2012  
President, International Society for Research in Human Milk and Lactation, 2012-present  
Invited participant for the Centers for Disease Control (CDC) and Office of Women's Health, *Call to Action on Breastfeeding Expert Panel*, Washington, DC, 2009  
Invited participant for NICHD expert panel: *Nutritional Challenges in the High Risk Infant*, Bethesda, MD, 2009  
Elected Member of the Executive Council for the International Society for Research in Human Milk and Lactation, 2006  
*Recipient*, LaLeche League, International Manuscript Award for the Month, May, 2005, for *Sharing the Science on Human Milk Feedings with Mothers of VLBW Infants*. JOGNN, 34, 109-119, 2005  
*Recipient*, Distinguished Alumna Award, University of Illinois at Chicago, College of Nursing, 2005  
Rush Mothers' Milk Club Peer Counselor Program featured in Associated Press (coverage in over 300 newspapers internationally), 2005  
*Consultant* to the Centers for Disease Control (CDC) Project "Assessment of Breastfeeding-Related Maternity Care Practices", 2004-2005  
Rush Mothers' Milk Club Program of Clinical Services and Research highlighted in newspaper and television media coverage, 2004-2005  
Rush SpecialKare Keepsakes Program featured in *Chicago Sun Times*, 2004  
*Chairperson*, Centers for Disease Control (CDC) Research Review Panel for Breastfeeding Promotion Grant Applications (Special Emphasis Panel Reviews), 2004  
*L. J. Filer Lecturer*, Endowed Lectureship in Infant Nutrition; Department of Pediatrics, University of Iowa Medical Center, 2004  
*Chairperson*, Expert Panel for Breastfeeding, American Academy of Nursing, 2003-present  
Outstanding Research Manuscript, Awarded by Journal of Human Lactation for *Nipple Shields for Preterm Infants: Effect on Milk Intake and Duration of Breastfeeding (2000)*, 2001  
Invited Faculty Presentation (1 of 2 invited) for the 2001 Annual Meeting of the Board of Trustees, Rush-Presbyterian St. Luke's Medical Center, 2001  
*Rush Mothers' Milk Club* (SCN Lactation Program) featured on WGN News, Chicago Parent Magazine, and "It's Happening at Rush" campaign, 2001  
*Recipient* of the Jonas R. Salk Health Leadership Award for Nursing: Chicago Metropolitan Area March of Dimes, 2000  
Election to Full Membership, International Society for Research in Human Milk and Lactation (ISHRML), 1998

**SPECIAL HONORS AND AWARDS (continued):**

Editorial Board, Journal of Obstetric, Gynecologic, & Neonatal Nursing, 1995-1997  
Outstanding Research Manuscript. Awarded by Journal of Human Lactation for *A New Scale for In-Home Measurement of Milk Intake by Mothers of Preterm Infants* (1994), 1995  
Member, Board of Directors, ParentCare, International, 1993-1995  
Member, Health Advisory Council, LaLeche League, International, 1992-present  
Elected Fellow, American Academy of Nursing, 1991  
Alpha Lambda Chapter, Sigma Theta Tau Distinguished Faculty Award, 1991  
*Chairperson*, NAACOG Research Utilization Project: "Transition of a preterm infant from the incubator to bassinet", 1991  
Review Panel for Journal of Obstetric, Gynecologic, & Neonatal Nursing, 1991-1999  
Participation in NAACOG Task Force on Research Utilization, 1990  
Participation in NAACOG Task Force on Research Priorities, 1984  
Kellogg Scholarship Award to a Doctoral Student, Rush University, 1982-2983  
Editorial Board/Manuscript Reviewer for Neonatal Network, 1982-1985  
Dean's Award to Graduating Senior Student. University of Illinois College of Nursing, 1971  
Elected, Phi Kappa Phi Honor Society, 1971  
Elected, Sigma Theta Tau National Honor Society, 1969

**SELECTED INVITED KEYNOTE PRESENTATIONS 2010-2011** (All presentations featured Dr. Meier's original research and its application with respect to the Rush Mothers' Milk Club):

**2011:**

**Upcoming presentations:**

Pregnancy and Birth Annual Conference, University of Toronto. Toronto, Canada, December 15-16, 2011.  
Flemish and Belgian Midwives Association Annual Conference. Brussels, Belgium, December 6, 2011.  
UNICEF 2011 Baby Friendly Initiative Conference. Liverpool, UK, November 24-25, 2011.  
Baby Friendly Neonatal Care Conference and Workshop. Uppsala, Sweden, September 14-15, 2011.  
Pediatrix Quality Summit Meeting. Atlanta, GA, June 29 – July 1, 2011.

**Completed presentations:**

Neonatal Advanced Practice Nursing Forum. Washington, D., June 1-4, 2011.  
Invited Neonatology Lectureship, Providence Alaska Medical Center. Anchorage, AK, May 24-25, 2011.  
2<sup>nd</sup> Annual Dannie Wahl Neonatal Lectureship, Providence St. Vincent's Medical Center, Portland, OR, May 17-19, 2011.  
Pediatric Grand Round, University Hospital of Geneva. Geneva, Switzerland, April 21, 2011.  
6<sup>th</sup> International Breastfeeding and Lactation Symposium; Science and Human Milk. Medela Swiss, Amsterdam, The Netherlands, April 15-16, 2011.  
15<sup>th</sup> Annual Congress of the Perinatal Association of Australia and New Zealand. Hobart, Tasmania, April 10-13, 2011.  
6<sup>th</sup> Annual Conference of the Australia College of Neonatal Nurses. Hobart, Tasmania, April 8, 2011.

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**Completed presentations (continued):**

6<sup>th</sup> Hot Topics in Neonatal Medicine, King Fahd Armed Forces Hospital Academic Affairs and Training Center. Jeddah, Saudi Arabia, February 21-23, 2011.

**2010:**

Association Relais Parentalité Allaitement. Paris, France, December 15, 2010.

Pediatric Grand Rounds, Hackensack University Medical Center. Hackensack, NJ, November 17, 2010.

Pediatrix Quality Summit Meeting. Frisco, TX, November 5, 2010.

Pediatric Grand Rounds, University of Pittsburgh. Pittsburgh, PA, November 4, 2010.

15<sup>th</sup> Biannual Conference of the International Society for Research in Human Milk and Lactation. Lima, Peru, October 7-11, 2010.

Third Annual National Seminar of the Black Mothers' Breastfeeding Association. Detroit, MI, October 25, 2010.

**SELECTED INVITED KEYNOTE PRESENTATIONS 2010-2011 (continued):**

**Completed presentations (continued):**

Annual Fall Conference of the New York State Society for Parenteral and Enteral Nutrition. Hicksville, NY, October 28, 2010.

REASON 2011 Neonatology Conference. University of Warwick, Coventry, UK, July 5-6, 2010.

Palmetto Association of Neonatal Nurses Conference. Columbia, SC, May 21, 2010.

26<sup>th</sup> Annual Perinatal Conference, Winthrop University Hospital. Mineola, NY, May 11, 2010.

5<sup>th</sup> International Breastfeeding and Lactation Symposium. Medela, Switzerland. Venice, Italy, May 7-8, 2010.

2010 Conference of the National Association of Pediatric Nurse Practitioners. Chicago, IL, April 17, 2010.

2010 Women's and Children's Health Conference. University of Saskatchewan. Regina, SK, March 17, 2010.

2<sup>nd</sup> National Conference of the Canadian Association of Neonatal Nurses. Halifax, NS, February 21-23, 2010.

2010 March of Dimes Perinatal Nursing Conference. Oak Brook, IL, February 12, 2010.