

## Nancy L. Moureau, PhD, BSN, RN, CRNI, CPUI, VA-BC

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<https://www.linkedin.com/pub/nancy-moureau/b/460/375>

<https://scholar.google.com/citations?user=eSVXrO4AAAAJ&hl=en>

## Curriculum Vitae

### Profile

Nursing professional with extensive experience in clinical online education, research, management, business development, project management specific to education with vascular access, key opinion leader and subject matter expert, workshop trainer for ultrasound and device insertion, competency assessment, hospital evaluation, legal expert witness, speaker, and writer with an extensive number of publications all specific to intravenous vascular access devices for adult and pediatric populations.

### Experience, Employment History

*"Nancy may be a worldwide consultant and expert in the Vascular Access community, but she also cares about what direction Vascular Access is heading in, and who will be leading the next generation of clinicians. While I may be one of many, it is an honor and a privilege to have been and continue to be one of the lucky people to have been taken under her wing. When you bring someone like Nancy in on your team you are getting more than just an expert, you are getting someone that will not only lead and develop, but also nurture your company, your*

**Adjunct Associate Professor**  
**GRIFFITH UNIVERSITY**

**May 2015-present**  
**BRISBANE, AUSTRALIA**

**Chief Executive Officer/Administrator/Educator/Consultant**  
**PICC EXCELLENCE, INC**  
**HARTWELL, GA/JACKSONVILLE, FL**

**January 1994-present**

Full-time working Owner and administrator of PICC Excellence, Inc. developing online education, learning management system, articulate software, consulting, and research on Vascular Access Devices. Responsibilities include online education development, research, speaker presentations, legal reviews, program development, consulting, application, and maintenance of nursing continuing education Provider Status, Certification initiation and ongoing management, insertion, and supervision of PICC lines, and other related intravenous devices. Educational offerings provided throughout the United States, Canada, South America, Europe and Asia. Clinical activities include PICC insertion, troubleshooting, dec clotting, and community assistance. Other responsibilities include legal case review specific to vascular access devices, pediatric, neonatal, and issues specific to PICC Lines.

**INFINITY INFUSION NURSING**  
**COVERING GEORGIA AND SOUTH CAROLINA**  
**BELINDA TUCKER, AMY WRIGHT**

**July 2019-Present**

Patient visits per diem responsibilities for infusion of medications with catheter placement, ultrasound guided insertions for PIV, midline, PICCs and ports, monitoring, care and maintenance for peripheral and central venous catheters.

**PICC/IV Team Staff Nurse**  
**GREENVILLE MEMORIAL SYSTEM UNIVERSITY MEDICAL CENTER**  
**RICHARD COLLOT, DON HOSKINS/ART ROBERTS/KAREN JOHNSON**

**November 2008-September 2018**  
**GREENVILLE, SC**

PICC and IV Team per diem responsibilities with catheter placement, ultrasound guided insertions for PIV, midline and PICCs, monitoring, care and maintenance for peripheral and central venous catheters.

**ICU Staff Nurse**  
**TY COBB MEMORIAL HOSPITAL**  
**REGINA HOOPER**

**July 2003- June 2008**  
**ROYSTON, GA**

ICU Staff nurse with ACLS and BCLS credentialing. Maintained roles and responsibilities of RN in ICU.

**Education Director**  
**NMC HOMECARE**  
**Joanne Ryan**

**November 1995-1997**  
**JACKSONVILLE, FL**

workers, and a  
for a few lucky  
individuals, find a  
mentor. ”  
Matthew Ostroff  
Vascular Access  
Coordinator  
St. Joseph’s  
Healthcare  
System

“In all the years I  
have worked with  
Nancy the most  
significant  
characteristic  
that aptly  
describes her is  
continuous  
improvement.  
She is tireless in  
striving for  
knowledge and  
improving  
patients and  
healthcare  
professionals’  
lives.” Sheila  
Inwood  
Director  
International  
Medical Affairs  
Carefusion

Special Project responsibilities, in addition to education for professional staff, orientation and other education related functions. Marketing and educational focus for subacute facilities. Flexible hours and responsibilities.

**General Manager** February 1995-November 1995  
**OPTION CARE** JACKSONVILLE, FL

**Mary Jalwin/Michael Bell**  
Began work at Option Care the early part of 1995 in an effort to reduce the negative loss of the Jacksonville office. Multiple improvements implemented including: computer enhanced networked office with online service for complete clinical, pharmaceutical and accounting software package, specialized personnel training; inventory control; application of low cost provider model; establishment of billing within the Jacksonville office; office relocation; net revenue from negative to positive figures avg 110% increase over 8 months. Upper management changed 5 times in 10 months. Redirected my energies to PICC Excellence business development.

**Intravenous Therapy Instructor** January 1990-1994  
**IV THERAPY CONSULTANTS** CLEARWATER, FL

**Kay Coulter**  
Program development and presentation for PICC, Pediatric IV Therapy, IV Education and CRNI Review classes. Continued with company until closure in January 1994. Owner Kay Coulter.

**Independent Contractor/ PICC Consultant/IV Specialist** 1990-1995  
**VISITING NURSES ASSOCIATION/NMC HOMECARE/OLSTENS HOME HEALTH** JACKSONVILLE, FL  
**Anita Hennig/Joanne Ryan/Nancy Rice**

Worked in conjunction with twelve Home Health companies in Jacksonville for PICC insertion and management, IV infusions, IV support wound care and other visits. Carried full workload of 5-8 patient visits per day. Consulting included PICC insertion and monitoring, IV resource and education provider.

**Director of Nursing/Supervisor of IV Services** March 1986-September 1990  
**CAREPLUS/CRITICAL CARE AMERICA** JACKSONVILLE, FL  
**Richard Greer, Pharm D**

Administrative and supervisory responsibilities for IV nursing department and staff under Medicare and private home care services. Extensive inservice education instruction and speaking, as well as quality assurance and case management duties.

**Staff Visiting Nurse** 1984-1986  
**UPJOHN HEALTHCARE SERVICES** JACKSONVILLE, FL

**Marietta Bostic/Amber Reid**  
Nursing responsibilities for Medicare and pediatric home care patients with focus on IV services.

**Pediatric Night Charge/NICU Staff Nurse/PICU** 1981-1983  
**UNIVERSITY MEDICAL CENTER** JACKSONVILLE, FL  
**Charlene Boyd**

Nursing duties within two units, infectious pediatric or neonatal patients. Focus on IV insertions and management. Worked in neonatal intensive care completing extensive 16-week new graduate orientation.

## **Education**

**Bachelor of Science in Nursing** 1978-1981  
**EAST CAROLINA UNIVERSITY** GREENVILLE, NORTH CAROLINA

Baccalaureate program with four years of study, three combined years in Nursing.

Study Director for Nursing Math

Research Assistant - 2 years with Graduate Master’s Program

**Graduate Studies** **1984-1986**  
**UNIVERSITY OF FLORIDA AND JACKSONVILLE UNIVERSITY** **JACKSONVILLE, FL**  
Pediatric Nurse Practitioner Master's Program. Accumulated Credits 20. Part time enrollment

**Graduate Studies** **1982-1984**  
**CETEC UNIVERSIDAD** **SANTO DOMINGO, DOMINICAN REPUBLIC**  
Health Sciences and Medicine. Accumulated credits 90. Transcripts available upon request.

Preceptorships in Multiple Hospitals in Santo Domingo, Dominican Republic. Baptist Medical Center  
Obstetrics/Gynecology 9 week Externship 1984, Jacksonville, FL.  
External activities: Christian Medical Society, Rural Clinic Mission Program, Swim Team

**Graduate Studies** **2008**  
**SAINT JOSEPH'S COLLEGE** **STANDISH, MAINE**  
Nursing Informatics

**Doctorate of Philosophy in Nursing Research** **2015-2017**  
**GRIFFITH UNIVERSITY** **BRISBANE, AUSTRALIA**  
Doctor of Philosophy in Nursing Research, Vascular Access Research Department, School of Nursing  
and Midwifery 2017  
Adjunct Associate Professor - Griffith University Health Institute Centre for Health Practice Innovation  
2015-2020  
Member of Alliance for Vascular Access Teaching and Research Group (AVATAR), Queensland, AU

### ***Certifications/Specializations***

- Board Certified Vascular Access VA-BC Association for Vascular Access 2010 current
- Certified PICC Ultrasound Inserter (CPUI) 2009 current
- Certified Registered Nurse Intravenous (CRNI) Infusion Nurses Society 1987 current
- Ultrasound PICC Trainer, Basic, Modified Seldinger and Advanced PICC Trainer
- Vascular Access Specialist with Adults and Pediatrics, Critical Care and Intensive Care
- Home Health 16 years, Home Health Management and Supervisory
- PICC Program Surveyor with Train the Trainer Qualification
- Hickman Tunneled Catheter, Internal Jugular, Axillary, and Port insertion training
- PICC Line Specialist Training: MD Anderson, Houston, TX, January 1990

### ***Professional Organizations/State Licensure***

- World Congress Vascular Access Faculty (WoCoVA) since 2008, Chairman: International Consensus Forum to set Minimal Requirements for Central Venous Access Devices.
- Oncology Nurses Society
- Association of Vascular Access (AVA), National Board: Director at Large 2003-2005. Leadership Council 2005-2007. Committee work: selection of editor, executive director; Education, Publication, Public Relations, and Global Policy.
- National Association Vascular Access Networks (NAVAN), National Treasurer 2 terms 1997-2001.
- Infusion Nurses Society(INS) since 1985, President INS North Florida Chapter 1989-91

“I have known Nancy for over 25 years and have had the honor to observe her ongoing clinical and business development. Besides Nancy's clinical expertise, she is a visionary person with skills and talents that allow her to successfully implement programs and ideas. Nancy is diligent, organized, responsible and forever ready for more. I have seen her work, worked collaboratively with her, and heard others speak of how satisfied with her services. Nancy continually seeks to expand her knowledge base and stay abreast of advances in her areas of practice or expertise. I am pleased to recommend Nancy Moureau for consideration of any service or project she may be considered for.”

Ann Zonderman,  
BSN, JD, CRNI.  
Health Facility  
Evaluator  
Supervisor  
California

- League of Intravenous Therapy Education (LITE), Society for Interventional Radiology and Association for Vascular Radiology participation.
- INS PICC Instructor/Trainer Workshops 1991-92. Certified Registered Nurse in Intravenous through National Intravenous Therapy Association
- Registered Nurse Licensed through eNLC multistate licensure

### **Honors**

- 1st Place People’s Choice Poster Award: Lee Steere, RN, CRNI, VA-BC, & Nancy Moureau, RN, PhD, CRNI, CPU, VA-BC; “Reaching One Peripheral Intravenous Catheter (PIVC) Per Patient Visit with LEAN multi-modal strategy: The PIV5Rights Bundle”.
- 2nd Place People’s Choice Poster Award: John S. Foor, MD, VACS, RPVI, Nancy Moureau, RN, PhD, CRNI, CPU, VA-BC; “The Role of Venous Hemodilution, Flow and Impact of Valves in Retrograde Blood Reflux”.
- 1ST PLACE POSTER at the 29th AVA Annual Scientific Meeting Poster #9-A: Clinical and Economic Impact of Thrombosis and Infection with Antithrombogenic and Antimicrobial Peripherally Inserted Central Catheter (PICC) 2015
- Herbst Award for Outstanding Excellence in Vascular Access 2014 Association for Vascular Access
- Nominated for the Susanne Herbst Award for Excellence in Research 2003, 2005, 2010 and 2012
- Reader’s Choice Publication Award Recipient 2007 Complications of Vascular Access Device Terminal Tip Placement: A Case Study and Review of Subsequent Legal Action.
- STAR Awards for dedication to customer/patient /staff commitment 2005 and 2009 at Greenville Memorial Hospital
- Nomination for Robert Wood Johnson Executive Nurse Fellowship, 2000.
- Nomination for CRNI of the Year 1999, Intravenous Nurses Society.
- 2009 Presidential Who's Who for distinguished level of success in chosen profession Listed in 2007-20012 Princeton’s Premier Business Leaders and Professionals.
- Who’s Who Executive since 2002.
- Who’s Who of International Entrepreneurs since 1997; Who’s Who in American Nursing since 1993, American Business Women 1996.

### **Grants**

- Grants for Research ESCAPE study from 3M, Cook and Entrotech for Griffith University
- Grant Research Recipient, Access Scientific, Online Midline Education 2013
- Grant Research Recipient, Genentech, Inc. Evaluation of Best Practice Hospitals 2011-2012
- Grant Recipient, Boston Scientific, Inc. Education Grant for development of online Advanced Ultrasound Training
- Grant Research Recipient, Genentech, Inc. Principal Investigator for Home PICCOLO II Trial: Efficacy and Safety of tPA in Home Care Applications for Resolution of Thrombotic Occlusions. 2001-2004.
- Grant Research Recipient, Genentech, Inc. Principal Investigator for Home PICCOLO I Trial: Economic Impact of Catheter Occlusions in Home Care. 2000.
- Abbott Educational Grant Recipient for National Focus Groups: Your Opinion Counts, 1999-2000.
- Abbott Educational Grant Recipient for Video Direction and Monograph Production. Multidisciplinary Management of Thrombotic Occlusions, 1999.

### **Presentations and Speaking Honors (highlights)**

- World Congress of Vascular Access: WoCoVA/SIAV Congress 2019 – São Paulo, Brazil Special Event. Titles: Relevance of the Exit Site, Michigan Appropriateness Guide for Intravascular Devices Pros and Cons, Evidence-based consensus on insertion of central venous access devices: Definition of minimum requirements for CVAD Training, The future of infusion therapy, technology and professionals of generation Z.
- Keynote speaker on "Deep venous thrombosis and vascular access. A difficult coexistence". National Congress of Vascular Access November 13, 14 and 15, 2019 at Kursaal Congress San Sebastián, Spain.
- Association for Vascular Access (AVA) National Conference speaker for Hemodilution and PIV5Rights, and abstract author 2019. 1) PIV5Rights: Linking Lean IV Therapy and Innovative Technology Toward One Catheter One Patient Care, 2) A System for Vascular Access: Vessel Health and Preservation Pathway of Care, 3) Venous Hemodilution, Flushing and the Impact on Medication Delivery and VAD Type: The Science and Evidence
- Keynote speaker Australian Vascular Access Society Parramatta, Australia. Walking the Line with Vessel Health and Preservation May 2019.
- Association of Vascular Access (AVA) September 2018 Conference Columbus, Ohio. Conference Speaker on Does the exit site matter in terms of bacterial load and risk? ESCAPE Results and Accidental Intravenous Catheter Dislodgement: Incidence and Perceptions of Safety at the Bedside
- Infusion Nurses Society (INS) National Academy Conference November 2017, MAGIC Panel: Appropriateness in VAD Selection and How to Apply the Recommendations
- Association of Vascular Access (AVA) September 2017 Conference Phoenix, Arizona Preconference speaker: Bugs on the Skin: Evaluation of Skin Colonization and Placement of Catheter Exit Site Research (ESCAPE).
- 3M Global Leadership Summit May 2017. Applying the MAGIC for Intravenous Device Indications.
- Keynote speaker. League of Intravenous Therapy Education Conference April 2017. Midline Indications and Usage.
- Association of Vascular Access (AVA) September 2016 Conference Orlando, Florida. Ultrasound Guided Peripheral Catheter Insertion: Asepsis versus Sterile Insertion; Evaluation of Skin Colonization and Placement of Catheter Exit Sites (ESCAPE).
- Asia Speaker Tour, Japan and China July 2016. Vessel Health and Preservation: Applying the Evidence; Disinfection of Needleless Connections Systematic Review.
- World Congress of Vascular Access (WOCOVA) Lisbon, Portugal, June 2016. Presenting the Evidence on PICCs versus CICCs.; The Great Debate: Michigan Appropriateness Guide for Intravenous Catheters (MAGIC).
- Association for Vascular Access Keynote Speaker 2016 Brisbane, Australia. Vessel Health and Preservation: Applying Evidence for Best Outcomes with Vascular Access May 2016.
- Association of Vascular Access (AVA) 2015 First Place Poster Recipient Poster #9-A: Clinical and Economic Impact of Thrombosis and Infection with Antithrombogenic and Antimicrobial Peripherally Inserted Central Catheter (PICC). Other Submitted Posters: Simulation as a Process for Gaining and Measuring Competency with Procedures, Disinfection of Needleless Connector Hubs: Clinical Evidence Systematic Review.
- Association of Vascular Access (AVA) 2015: Clinical Evidence Review of Disinfection Practices: What Is Missing with CLABSI Prevention; Simulation as a Process for Gaining and Measuring Competency with Procedures; What Does "Safety" Mean in Vascular Access: Risks and Legal Implications; The New Age of Midlines and ARROW's Endurance Extended Dwell Catheter.

*“Nancy is a great communicator, educator, and facilitator. She can sift through, often times, confusing and difficult situations to establish common ground from which a team or organization can begin building the right program that meets their needs. Nancy truly strives to be excellent and helps those she works with to be the same. Her, "can do" attitude presents a positive and constructive message for her colleagues and clients. Nancy, gets results and builds roads for sustainable results and outcomes. Beyond anything else, Nancy is genuine, and focused on making a difference in any way she can. She not only has a vision for the future of the Vascular Access Profession, but she has been instrumental in helping others to both create and share in that vision.”*  
 Dr. Robert B. Dawson  
 Director of Education and

- World Congress of Vascular Access (WOCOVA) Special Event Asia: Hong Kong 2015: CIOCs vs. PICCs in Terms of Risk of Thrombosis: a Continuing Controversy; Exit Site vs. Puncture Site of PICC and CIOc.
- Association of Vascular Access National Conference 2014 Implications of Dilution and Concentration on Vancomycin Peripheral Infusion; Ultrasound Guided Peripheral Catheter Insertion: How Successful is it Really?
- World Congress of Vascular Access 2014 Exit site vs puncture site PICCs and CIOc; CIOCs and PICCs Risk of Thrombosis.
- Guest speaker Gruppo Aperto ‘Gil Accessi Venosi Centrali a Lungo Termine’ Turin, Italy 2013.
- Speaker at Bay Area Vascular Access (BAVAN) Evidence Based Outcomes for PICCs, 2013
- Association of Vascular Access lecturer Ultrasound Tips and Tricks with Dr. Jack LeDonne, 2013
- Hospital Israelita Albert Einstein International Symposium Speaker on Access and Vascular Infusion Therapy São Paulo Brazil July 2012.
- Association of Vascular Access 2012 Risk Associated with Exit Site
- World Congress of Vascular Access 2012 Risk Associated with Exit Site
- Association of Vascular Access 2011 Annual Conference, Lecturer on Implications of Precise Tip Placement: Towards a New Gold Standard.
- Gavecelt 2011 Presentation Proposal of New International Classification for Central Venous Catheters: Impact of Exit Site and Insertion Method on Risk of Complications – A Call to Action
- Association of Vascular Access Poster/Abstract Presentation 2011 Proposal of New International Classification for Central Venous Catheters: Impact of Exit Site and Insertion Method on Risk of Complications – A Call to Action
- 3M Leadership Summit Presentation 2011 Vessel Health and Preservation: Integration of Guidelines into Clinical Practice
- Enhancing Best Practice in Vascular Access speaker International Conference Addenbrooke’s Hospital Cambridge University Hospital NHS September 2010.
- Association of Vascular Access Poster Presentation. Driving Clinical Practice to the Next Level: A Collaborative Project on Vessel Health and Preservation. 2010
- APIC Breakfast Symposium Infection the Risk is Real: Every Choice Matters speaker July 2010. Summer 2009, Spring of 2010 topics included Evidence-Based Practice for Intravenous Therapy, Establishment of IV Teams, Managing Securement for Care of Intravenous Devices
- Moureau N, Trick N. Vessel Health and Preservation through Clinical Pathways of Care Presentation: Association of Vascular Access 23rd Annual Conference, September 16th, 2009.
- Guest speaker, lecturer and trainer Gavecelt International Congress, Rome, Italy December 2007, 2009, 2011.
- Keynote speaker 3rd annual National Congress of Intravenous Nurses, Pamplona, Spain Oct 2008
- Guest speaker Gruppo Aperto ‘Gil Accessi Venosi Centrali a Lungo Termine’ Rome, Italy April 2008
- Keynote speaker 1st Congresso Nazionale Infermieristico Accessi Vascolari Pisa, Italy April 2008
- Maine Vascular Access Conference and New Hampshire Association of Vascular Access Ultrasound Certification Workshop, 2008.
- Maine Vascular Access Conference 2007, Complications from a PICC: Legal Review.
- AVA Conference speaker 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2000, 1999

Clinical Affairs  
Access RN

*"I have had the wonderful opportunity to work with Nancy on numerous occasions. She is one of the best educators in the country and her expertise in vascular access is known worldwide. She has been a mentor, a co-worker, an advisor, and a sounding board throughout my nine years in this field and I trust her opinions like no other. Whatever the need, Nancy Moureau will meet and exceed it. She is simply the best, without a doubt. I endorse Nancy full-heartedly. I would not be the professional I am today without her."*  
Leann Kennedy  
Clinical Nursing  
Instructor San

- Ultrasound Certification workshop, Lessons Learned from the Foot of a Bed. Phoenix, AR, 2006 Advanced Ultrasound Assessment.
- AVA 19th Annual 2006 AVA Conference in Savannah, GA. Topics included Abstract Presentation The Use of Alteplase for Treatment of Occluded Central Venous Catheters in Home Care, Publications Workshop, and How to Set Up and Complete A Research Trial.
- Post Conference Advanced Refresher for Peripherally Inserted Central Catheters, Association for Vascular Access, Vancouver, British Columbia 2004. AVA Post Conference speaker for 7 consecutive years through 2004.
- Keynote Speaker 4th Annual 2004 International Conference IV Therapy Home/Hospital, Research on Complications with Central Venous Catheters. Oxford, England. At 5th Annual 2005 and 6th Annual 2006 Conferences.
- League of Intravenous Therapy Education Convention Speaker 2004
- Post Conference Advanced Refresher for Peripherally Inserted Central Catheters, Association for Vascular Access (AVA), Atlanta, GA 2003.
- Green Bay Association Central Venous Access Therapy (CVAT) Speaker 2003, 2006. Implementing the Standard of Care.
- Pre Conference Seminar: Advanced Techniques with PICCs, In conjunction with Vygon and the Royal College of Nursing, London, England 2003.
- Sonosite on-site PICC Trainer for Ultrasound 1999-present.
- Sonosite Advisory Board: PICC Ultrasound Board for Curriculum Development and Image Guidance Training. 2000-2003.
- Editor, Infusion Insights and Practical Access Newsletters, 1996-2000.
- Abbott Advisory Board 1998-2002. Centocor Advisory Board 2000-2001. Genentech Advisory Board 1999-2006.
- National Home Infusion Association Annual Conference, Breakfast Symposium, Maintaining Catheter Patency: Clinical and Cost Implications, 1998.
- Post Conference Advanced Refresher for Peripherally Inserted Central Catheters, National Association for Vascular Access Networks, San Diego, CA 1998. Post Conference PICC Refresher speaker NAVAN 1999, 2000, 2001, 2002, 2003, 2004.
- National Speaker at Intravenous Nurses Society 1993, 1995, 1997, 1998, 2000
- Conference Seminar Speaker for North Florida Intravenous Nurses Society 1994-96.
- Pediatric IVs Pediatric PICCs, Fluid and Electrolyte Basics. Colorado May 1993 Speaker, Intravenous Nurses Society.

### **Publications 1997-2019**

1. Moureau NL. Vessel health and preservation: the right approach for vascular access. Springer Nature; 2019. Open Access. <https://www.springer.com/fr/book/9783030031480>
2. Steere L, Ficara C, Davis M, Moureau N. Reaching One Peripheral Intravenous Catheter (PIVC) Per Patient Visit with Lean Multimodal Strategy: the PIV5Rights™ Bundle. Journal of the Association for Vascular Access. 2019;24(3):31-43.
3. Moureau N, Marsh N, Zhang L, Bauer M, Larsen E, Mihala G, Corley A, Lye I, Cooke M, Rickard C. Evaluation of Skin Colonisation And Placement of vascular access device Exit sites (ESCAPE Study). Journ Infect Prev 2019;20(1):51-59. DOI: 10.1177/1757177418805836.
4. Moureau N. Impact and Safety Associated with Accidental Dislodgement of Vascular Access Devices: A Survey of Professionals, Setting and Devices. Journ Assoc Vasc Access. 2018;23(4):203-215. <https://doi.org/10.1016/j.java.2018.07.002>.

Jose State  
University

*“Nancy is passionate about educating others to provide the best care possible to patients with vascular access devices. She is recognized as a key opinion leader internationally in this specialty. She is an excellent speaker and connects well with her audience. She continually seeks out opportunities that enhance her career professionally and seeks to improve the care of patients, with vascular access devices, at the bedside. She has*

5. Ostroff M, Moureau N. Review and Case Studies of Midhigh Femoral Central Venous Catheter Placement. *Journal of the Association for Vascular Access* 2018;23 (3), 167-175
6. Moureau N, Carr P. Vessel Health and Preservation: a model and clinical pathway for using vascular access devices. *British Journal of Nursing* 2018;27(8), S28-S35
7. Hull G, Moureau N, Sengupta S. Quantitative Assessment of Reflux in Commercially Available Needle-free IV Connectors. *Journal of Association of Vascular Access* 2017;19(1):12-22.
8. Chopra V, Kuhn L, Waughn V, Ratz D, Winter S, Moureau N, Meyer B, et al. Does Certification in Vascular Access Matter? An Analysis of the PICC1. *American Journal of Nursing* 2017;117(12):24-34. Survey.
9. Moureau N. Vessel Health and Preservation: Vascular Access Assessment, Selection, Insertion, Management, Evaluation and Clinical Education Thesis. 2017. Griffith University, Brisbane, Australia.  
<https://www120.secure.griffith.edu.au/rch/items/e6aea329-fae8-4c41-aa3f-6b4f80298977/1/>
10. Ostroff M, Moureau N. Report of Modification for Peripherally Inserted Central Catheter Placement: Subcutaneous Needle Tunnel for High Upper Arm Placement. *J Infusion Nurs.* 2017;40(4):1-6.
11. Broadhurst D, Moureau N, Ullman A. Management of Central Venous Access Device-Associated Skin Impairment. *J Wound Ostomy Continence Nurs.* 2017;44(3):1-10.
12. Smith, S.N., Moureau, N., Vaughn, V.M., Boldenow, T., Kaatz, S., Grant, P.J., Bernstein, S.J., Flanders, S.A. and Chopra, V., 2017. Patterns and Predictors of Peripherally Inserted Central Catheter Occlusion: The 3P-O Study. *Journal of vascular and interventional radiology: JVIR.*
13. Moureau N, Chopra V. Indications for Peripheral, Midline and Central Catheters: Summary of the Michigan Appropriateness Guide for Intravenous Catheters Recommendations. *J Assoc Vasc Access.* 2016;21(3):140-148.
14. Moureau N, Chopra V. Indications for Peripheral Midline and Central Catheters: Summary of the Michigan Appropriateness Guide for Intravenous Catheters Recommendations. *Brit J Nurs.* 2016;25(8):S15-S24.
15. Chopra V, Flanders SA, Saint S, Woller SC, O’Grady N, Safdar N, Trerotola S, Saran R, Moureau N, et al. The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC): Results from a Multispecialty Panel Using the RAND/UCLA Appropriateness Method. *Ann Int Med* 2015;163(6\_suppl):S1-40.
16. Broadhurst D, Moureau N, Ullman A. Central venous access devices site care practices: an international survey of 34 countries. *Journ Vasc Access.* 2015; 17(1):e1-e27.
17. Moureau N and Flynn J. Disinfection of Needleless Connector Hubs: Clinical Evidence Systematic Review. *Nurs Research and Pract.* 2015. 1-20.
18. Moureau N, Sigl G, Hill M. How to Establish an Effective Midline Program: A Case Study of 2 Hospitals. *JAVA* 2015;20(3):179-188.
19. Moureau, N. Catheter associated bloodstream infections: What is missing? *Brit J Health Man.* 20(11):502-510.
20. Moureau, Nancy L. Is the pH of vancomycin an indication for central venous access? *J Vasc Access* 2014; 15(4):249–250.
21. Sandrucci S, Mussa B (editors). *Critical Care and Emergency Medicine: Peripherally Inserted Central Venous Catheters.* Springer Verlag, Milano, Italy. 2014. ISBN 978-88-5664-0. (Moureau Chapter: Ultrasound Anatomy of Peripheral Veins and Ultrasound Guided Venipuncture)
22. Moureau N, Lamperti M, Kelly LJ, et al. Evidence-based consensus on the insertion of central venous access devices: definition of minimal requirements for training. *Br J Anaesth.* Mar 2013;110(3):347-356.
23. Dawson R, Moureau N. Midline Catheters: An Essential Tool in CLABSI Reduction. *ICT.* 2013.
24. Moureau N, Trick N, Nifong T, et al. Vessel Health and Preservation (Part 1): A New Evidence-Based Approach to Vascular Access Selection and Management. *J Vasc Access (Medical).* 2012 Jul-Sep;13(3):351
25. Segreti J, Garcia-Houchins S, Gorski L, Moureau N, et al. Consensus Conference on Prevention of Central Line-Associated Bloodstream Infections: 2009. *JIN.* 2011;34(2):126-133.

*an excellent understanding of the challenges that face clinicians and patients in this area. "*  
*Deborah Phelan*  
*Clinical Educator*  
*Interrad Medical*

26. Moureau NL, Dawson RB. (2010) Needleless connector know how. *Nursing Management* 41(12):40-41.
27. Moureau NL, Dawson RB. (2010) Keeping Needleless Connectors Clean Part 1/Part 2 IV Rounds. *Nursing* 2010, 40(5):18-19.;40(6):61-63.
28. Moureau, N. Assessment and dressing change of central venous catheter sites. (2010) *Intravenous Journal*. 1(1):19-23.
29. Moureau N, Dennis G, Ames E, Wei C. Electrocardiogram (EKG) Guided PICC and Tip Position: Results of a Trial to Replace Radiological Confirmation (2010). *JAVA* 15(1):8-14.
30. Moureau N. (2009) Preventing Peripheral Intravenous Line Infections: Recommendations for Healthcare Facilities. *JAVA* 14(4):187-190.
31. Moureau N. Reducing the risks of bloodstream infections. *Material Manag Healthcare*. 2009;Nov:2-5.  
[http://www.matmanmag.com/matmanmag\\_app/jsp/articledisplay.jsp?dcrpath=MATMANMAG/Article/data/11NOV2009/0911MMH\\_FEA\\_InfectionControlHotline&domain=MATMANMAG](http://www.matmanmag.com/matmanmag_app/jsp/articledisplay.jsp?dcrpath=MATMANMAG/Article/data/11NOV2009/0911MMH_FEA_InfectionControlHotline&domain=MATMANMAG) .
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