GUARDIAN SCHOLARSHIP – THE BAXTER CORPORATION
AWARD FOR EXCELLENCE SUBMISSION

PROJECT NAME

A COLLABORATIVE APPROACH TO IMPROVING NURSING SHIFT TO SHIFT HANDOFF IN PEDIATRIC CRITICAL CARE

PROJECT CO-LEADERS

Kim Streitenberger, RN
Quality Manager
Pediatric Intensive Care Unit
Cardiac Critical Care Unit
The Hospital for Sick Children
Toronto, Ontario

Tracie Northway, RN, MSN, CNCCP(C)
Quality & Safety Leader
Pediatric Intensive Care Unit
BC Children’s Hospital
Vancouver, BC

Janelle Plouffe, RNEP
Nurse Practitioner
Pediatric Intensive Care Unit
Winnipeg Children’s Hospital
Winnipeg, Manitoba

BACKGROUND

Medical errors occur because humans are fallible, particularly when faced with the challenges of increasingly fast paced and complex health care environments (1). In today’s complex and rapidly changing critical care units, large amounts of complex, critically important and time sensitive information are routinely communicated from one individual to another during end of shift handoff report. Forgetting to communicate even a small piece of important clinical information can lead to breakdowns in continuity of care, inconsistencies in care planning or delivery and can result in patient harm. A review of sentinel events reported to the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) in the United States identified failures in communication to be a leading cause of adverse event in healthcare (2). Issues involving communication, continuity of care and care planning were cited as a root cause in over 80% of reported sentinel events (2). Accreditation Canada currently requires all organizations to develop mechanisms to improve handoffs in care by enhancing the transfer of information at points of transition as an accreditation patient safety goal and required organizational practice (3). In light of the inherent risks associated with handoffs in care, the implementation of strategies that reduce the impact of human factors on effective communication and standardize the
communication process are essential to ensure that appropriate communication of patient information occurs and the plan of care is continued from one nursing shift to another.

THE PROBLEM

Healthcare systems and processes have traditionally been designed to require frequent handoffs in the care of patients with minimal emphasis placed on developing systems and processes to do so in an accurate, efficient and safe manner. Handoffs in care are a particularly high risk and vulnerable time for any hospitalized patient because clinicians must manage multiple competing priorities and frequent interruptions and distractions while ensuring that accurate and complete information is communicated, often within significant time constraints. Accurate, complete and timely communication during handoff is particularly important in pediatric critical care given physiological differences in children and their reduced ability to advocate for themselves throughout the care delivery process. Physiologically, children have a higher metabolic rate and life threatening conditions can progress more rapidly than in adults necessitating early recognition of changes in condition and rapid intervention (4). Children also often cannot provide pertinent details regarding their medical history or current illness and may not always have parents or guardians with them who can provide this information and advocate on their behalf (4). As well, within critical settings, nursing staff must communicate important details about complex treatments and technologies being used to provide care to patients during the nursing shift to shift report. Any incomplete or omitted details could negatively impact the use of these treatments & technologies increasing potential risk of associated morbidity, adverse events and patient harm.

PROPOSED IMPROVEMENTS

This project involves the development of an improvement collaborative focused on designing systems, processes and tools to improve nursing shift to shift handoff in pediatric critical care units at The Hospital for Sick Children, BC Children’s Hospital and Winnipeg Children’s Hospital. An improvement collaborative provides education and networking to assist clinicians in knowledge translation. The collaborative approach brings together teams that share a commitment to making significant and rapid improvement. The method relies on spread and adaptation of existing knowledge.
Integral to the success of a collaborative is the rapid implementation of changes in small steps (5). The three sites involved have extensive knowledge of the collaborative approach combined with sustained measurable successes utilizing the collaborative improvement approach.

Site team representatives will meet in Vancouver to develop and test a standardized approach to pediatric critical care nursing shift to shift handoff. Members of the launch team will include the three site leads (as indicated in this application), staff nurses from the test site, a family member, and two executive sponsors. The findings from this week long improvement week will then be taken back to the individual sites for testing and implementation by the site specific improvement teams. Ongoing communication and collaborative work focusing on breaking down barriers, measurement and sustainment will occur via teleconferences and/or webinars over the next year.

In summary, the focus of this year long initiative will be to collaboratively develop, test and implement a standardized nursing shift to shift handoff process between three pediatric critical sites across Canada. The intended outcome is to prevent patient harm by creating a system that ensures complete, accurate and timely communication of patient information.

REFERENCES


Kim S. Streitenberger  
Suite 413 383 Adelaide St. East  
Toronto, Ontario  M5A 1N3  
416-203-1976  kstreitenberger@rogers.com

WORK EXPERIENCE:

January 2008 – Present  
Quality Manager, Paediatric Intensive Care Unit and Cardiac Critical Care Unit, The Hospital for Sick Children, Toronto, Ontario
- responsible for coordination & leadership of quality & safety program in two intensive care units within the Critical Care Program
- lead all strategic quality improvement initiatives including implementation of bundles for prevention of ventilator associated pneumonia (VAP) & prevention of central line associated blood stream infections (CL-BSI) implementation of admission medication reconciliation, pilot project developing transfer medication reconciliation process for future hospital-wide rollout
- responsible for management of safety reporting systems including followup on all reported adverse events, data collation, analysis & preparation of reports
- data collation, analysis & preparation of reports for unit and program level indicators
- lead strategies designed to engage staff in quality & safety & build safety culture within both units including weekly safety rounds, good catch program, critical safety alert program and quality & safety website

February 2007 – Present
- completed 3 month secondment to ISMP Canada as an employee of The Hospital for Sick Children; provided leadership & consultation to Safer Healthcare Now Medication Reconciliation initiative; provided medication safety consultation to organizations across Canada; instructor for Failure Mode & Effects Analysis Workshops through Ontario Hospital Association; participated in the development of the WHO High Five’s Medication Reconciliation SOP; designed medication reconciliation conferences & workshops
- currently paediatric nursing & patient safety consultant for variety of projects as required

September 2001- Present
Quality Analyst/ Patient Safety Coordinator, Department of Quality & Risk Management, The Hospital for Sick Children, Toronto, Ontario
- lead strategic patient safety projects including implementation of processes to ensure correct patient procedures, improvements to handoffs in patient care & medication reconciliation
- coordinate patient safety program activities
- provide leadership & consultation to program & organizational quality improvement & patient safety systems & processes
- prepare and analyze statistical information for decision support, management and clinical purposes by utilizing a variety of computerized databases and query tools, spreadsheet, graphics and word-processing software.
- coordinate the preparation of the hospital’s global quality indicator report
- lead revisions to the hospital’s global indicator measurement & reporting strategy
- act as a resource in the development of policies, procedures, guidelines & standards
- led the development & implementation of the hospital’s on-line policies & procedures database including maintenance of hospital’s policy & procedure database and development of policy & procedure processes
• act as a resource and participate in activities related to performance and quality improvement as requested, e.g. clinical systems implementation, clinical leadership role evaluation, process improvements generated from critical occurrence reviews, studies etc.
• plan & complete audits and prepare audit reports as required
• develop, implement, and evaluate education programs and/or resources related to quality improvement
• provide leadership and consultation regarding patient safety principles and organizational patient safety initiatives

September 2000-September 2001  
**Clinical Consultant, Client Services**
Autros Healthcare Solutions, Inc., Toronto, Ontario
• implementation & design consultation for point of care bar-coding, CPOE & clinical documentation IT system
• analysis of client organizational systems and processes impacting safe medication practices
• analysis of clinical information system adherence to regulatory and practice standards
• process redesign consultant for client organizations
• facilitation of systems approach to error reduction
• cultural change facilitation for client organizations
• process risk/benefit analysis
• preparation of process documentation and reports
• development, delivery and evaluation of individualized client training programs

January 1998-September 2000  
**Project Manager Nursing Development, Recognition and Rewards Project**
Centre for Nursing, The Hospital for Sick Children, Toronto, Ontario
• project management for implementation of an organizational nursing professional development, clinical laddering & competency assessment system
• organizational culture change facilitation
• benchmarking best practices and development of staff nurse performance competencies reflecting quality care and practice standards
• data collection and analysis
• consultant to operational and clinical professionals
• development, delivery and evaluation of staff education programs

**Project Leader, Progressive Care Unit, Department of Critical Care**
The Hospital for Sick Children, Toronto, Ontario
• project management in the development of a high acuity clinical monitoring unit
• proposal development and presentation
• provide leadership to facility management and interdisciplinary team
• development of staffing plan; recruitment and hiring of unit staff
• development of unit orientation program

September 1994-June 1995  
**Instructor, Department of Continuing Education – part time**
George Brown College, Toronto, Ontario
• development, implementation and evaluation of pediatric assessment and BCLS workshops

June 1988-September 1990  
**Acting Clinical Instructor, Paediatric Critical Care Unit**
The Hospital for Sick Children, Toronto, Ontario
• development, implementation and evaluation of orientation, preceptor and unit educational programs
• provided leadership in unit and organizational initiatives
• provided consultation to unit, organization and external stakeholders regarding pediatric critical care clinical practice
• member of unit leadership team

June 1984 - January 1998
**Resource Nurse, Cardiac Resource Nurse, Staff Nurse, Transport Nurse**
Paediatric Critical Care Unit, The Hospital for Sick Children, Toronto, Ontario
• daily management of unit activities, patient flow and staffing
• provided leadership in the development, implementation and evaluation of unit and organizational activities
• provided direct clinical care to pediatric critical care patients and families

October 1987
**SAVE auditor, Quality Management, contract position**
The Hospital for Sick Children, Toronto, Ontario
• completed organizational quality improvement chart audits
• data collection, analysis and reporting

June 1981 - June 1984
**Team Leader, Staff Nurse, Department of Pediatrics**
Laurentian Hospital, Sudbury, Ontario
• daily management of unit activities, patient flow and staffing
• provided leadership in the development, implementation and evaluation of unit and organizational activities
• provided direct clinical care to pediatric patients and families

**EDUCATION**

2001 – present
**Bachelor of Science in Nursing – in progress**
core nursing courses completed
Ryerson University, Toronto, Ontario
Expected date of completion 2010

1989
**Educator Workshop – Level One**
Ontario Hospital Association, Toronto, Ontario

1981
**Honours Nursing Diploma**
Cambrian College of Applied Arts & Technology, Sudbury, Ontario

**AWARDS & ACHIEVEMENTS**

2010
Winning Abstract Award – “Engaging Staff in Quality and Safety in Pediatric Critical Care; 6th Annual Patient Safety Symposium; The Hospital for Sick Children, Toronto, Ontario

Elected Member-WebMaster, Executive Committee, Toronto Chapter Canadian Association of Critical Care Nurses;
Member, Canadian Association of Critical Care Nurses; Membership # 5675
2009  Best Quality Improvement Poster, Nursing & Allied Health Award – “An Interprofessional Approach to Reducing Ventilator Associated Pneumonia”; Critical Care Canada Forum, Toronto, Ontario

2008  Invited consultant; High Risk Medication Project
      Institute for Safe Medication Practices Canada & Canadian Association of Paediatric Health Centres

      Invited member, Medication Reconciliation Expert Panel
      World Health Organization (WHO) High Five’s Meeting; Toronto, Ontario

2007  Recipient of Grace Evelyn Simpson Award for Nursing Leadership,
      The Hospital for Sick Children, Toronto, Ontario

2006  Invited inductee, Sigma Theta Tau International Nursing Honor Society

      Invited member, National Medication Reconciliation Faculty; Safer Healthcare Now campaign, Canadian Patient Safety Institute

      Ontario Hospital Association, Toronto, Ontario

1998  Jordan Matthew Gold Traveling Fellowship, Paediatric Critical Care Unit
      The Hospital for Sick Children, Toronto, Ontario

1994  Jordan Matthew Gold Traveling Fellowship, Paediatric Critical Care Unit
      The Hospital for Sick Children, Toronto, Ontario

1989  Simon Kaplan Award for Nursing Excellence, Paediatric Critical Care Unit
      The Hospital for Sick Children, Toronto, Ontario

RECENT RESEARCH & PROFESSIONAL ACTIVITIES


2006 – 2007  Site Project Leader, Implementation of Admission Medication Reconciliation in a Paediatric Setting, The Hospital for Sick Children, Canadian Association of Paediatric Health Centers (CAPHC) Medication Reconciliation Collaborative, Saferhealthcarenow campaign, Canadian Patient Safety Institute

      Invited Book Editor/Reviewer, Safe and Effective, Canadian Pharmacists Association & Dalhousie University

      Co-Investigator – How Frequent and Clinically Significant are Medication Discrepancies at Admission? The Role for Medication Reconciliation
      Departments of Paediatric Medicine & Quality & Risk Management, The Hospital for Sick Children, Toronto, Ontario

      Project Leader, Implementation of Verification Processes to Ensure Correct Patient, Side & Site for Invasive Procedures using the JCAHO Universal Protocol. The Hospital for Sick Children, Toronto, Ontario
2005-2006  Co-investigator - Can the principles of complexity science be applied to improve the coordination of care for complex pediatric patients?
Departments of Pediatrics, Surgery and Quality and Risk Management, The Hospital for Sick Children, Toronto; the Departments of Pediatrics, Surgery and Health Policy, Management and Evaluation, University of Toronto; Schulich Business School and Atkinson College, York University, Toronto, Ontario.

2001-2003  Lead Investigator, Project Co-Champion
ED-Inpatient Transfer Project
Child Health Accountability Initiative Collaborative, Kansas City, Missouri

- Led AHRQ funded 12 site quality improvement project aimed at improving the quality of communication during transfer of patients from the emergency department to medical-surgical inpatient unit through the use of a handover checklist
- Provided leadership to collaborative regarding checklist development, implementation strategy, measures development, data collection and analysis
- Liaised with human factor, aviation industry and quality improvement experts in the US regarding project development, implementation and evaluation strategies
- Proposal development and presentation to selection committee
- Abstract and publication preparation
- Coordination of site specific activities related to data collection, checklist implementation and change facilitation

PUBLICATIONS


Streitenberger, K., Breen-Reid, K., Harris, C., Handoffs in care – can we make them safer?, Pediatric Clinics of North America, November, 2006.


RECENT PRESENTATIONS


Engaging Staff in Quality & Safety in Pediatric Critical Care, Critical Care Canada Forum, Toronto, Ontario, October, 2009 – poster presentation

Medication Reconciliation: It’s a Team Sport, Canadian Association of Critical Care Nurses Dynamics 2009, Fredericton, New Brunswick, September, 2009 – oral presentation

Evaluating Quality Improvement Initiatives, Nursing Research Day, The Hospital for Sick Children & University of Toronto, 2008 – oral presentation
Medication Reconciliation – Changes to the Getting Started Kit; Teleconference presentation; Western Canada Collaborative, Safer Healthcare Now Campaign, Canadian Patient Safety Institute & ISMP-Canada, April, 2007. – oral presentation

Medication Reconciliation – An Open and Shut Case: Building the Business Case for Medication Reconciliation; oral presentation, Learning Series IV Conference, Safer Healthcare Now! Campaign, Canadian Patient Safety Institute, Montreal, Quebec, March, 2007. – oral presentation

Pediatric Patient Safety: Transforming Adverse Events into Action, Grand Rounds, Bloorview Kids Rehab Center, January, 2007 – oral presentation

Patient Handoffs: A Risky Business, Patient Safety Rounds, Sunnybrook Health Science Center, September 2007 – oral presentation
Tracie Northway, RN, MSN, CNCCP(C)  
20143 49A Ave.  
Langley, BC  V3A 3S2  
Phone: (604) 530-3933  
Email: tnorthway@shaw.ca

EDUCATION

2004  Masters of Science in Nursing, University of British Columbia  
1988  Bachelor of Science Degree in Nursing, University of British Columbia  
1984  Graduate Nurse, Diploma of Nursing, Foothills Hospital School of Nursing, Calgary, Alberta  

EMPLOYMENT

2006 to present  Faculty, Canadian ICU Collaborative (  
2005 to present  Quality & Safety Leader, Pediatric Critical Care  
1996-2005  Nurse Educator, Pediatric Intensive Care Unit at British Columbia Children’s Hospital (BCCH)  
2003-2004  Research Assistant, University of British Columbia, School of Nursing  
2003-2004  Distance Education Tutor and Consultant, Specialty Nursing, Pediatric Critical Care at British Columbia Institute of Technology  
2000-2003  Instructor, Specialty Nursing, Pediatric Critical Care at British Columbia Institute of Technology  
1996-1997  Program Coordinator, Critical Incident Stress Management Team at BCCH  
1995-1996  General Duty Nurse/Preceptor – Pediatric Critical Care Unit at BCCH  
1993-1995  Assistant Head Nurse – Pediatric Critical Care Unit at BCCH  
1992  Program Developer, Critical Incident Stress Management Program, BCCH  
1992  Clinical Instructor at Vancouver Community College, Langara Campus  
1988-1993  General Duty Nurse/Preceptor – Pediatric Critical Care Unit, BCCH  
1988-1985  General Duty Nurse – Emergency/IV Team, Surrey Memorial Hospital  
1987-1985  General Duty Nurse - Medical/Surgical, MSA Hospital  
1985  General Duty Nurse – Orthopedics, Shaugnessy Hospital  
1984-1985  General Duty Nurse – Orthopedics at Foothills Hospital, Calgary AB  
1984  General Duty Nurse – Gynecology and Antepartum, Calgary General Hospital

PROFESSIONAL MEMBERSHIPS

2010  College of Registered Nurses of BC (Since 1985)  
2009  Canadian Association of Critical Care Nurses (Since 1993)  
2008  Xi Eta Chapter, Sigma Theta Tau International (Since 1994)

CERTIFICATIONS

2009  Lean Leader Certification by John Black & Associates (Sponsored through PHSA)  
2010-2008  Canadian Nurses Association, Re-Certification in Critical Care Pediatrics  
2003  Canadian Nurses Association, Certification in Critical Care Pediatrics

PROFESSIONAL AWARDS

2011  BC Patient Safety Award for Transfer of Care of Cardiac Surgical Patient from OR to PICU (Leader of this PICU RPIW)
2008  The Guardian Scholarship – Baxter Corporation Award for Excellence in Patient Safety (Award for PICU Team on Medication safety)
2007  BC Patient Safety Award for Developing a Patient safety Culture (Award for PICU Team)
2006  Children’s & Women’s Excellence in Education Award (x 2)
2004  Children’s & Women’s Excellence in Education Award (x 2)
2004  Canadian Association of Critical Care Nurses Research Award
2002  Children’s & Women’s Excellence in Education Award
2000  RNABC Award of Excellence in Nursing Education

RESEARCH

2004  The Influence of the Pediatric Intensive Care Unit (PICU) Culture on End-of-Life Decision Making. Master’s thesis: Using a focused ethnographic approach, the ways in which the Canadian PICU culture shapes everyday care and influences the decisions made around end-of-life care was explored. Identification of cultural strengths and challenges occurred which assisted in highlighting areas for celebration and areas for improvement and further exploration within end-of-life care within the PICU.

1999  Evaluation of the Efficacy of Acute Bereavement Interventions in the ICU. Co-investigator of a mixed method analysis of parents’ perceptions of support provided for their family, before, during and after their child’s death in the pediatric intensive care unit.

CONFERENCE PRESENTATION EXPERIENCE

2009  CACCN Dynamics ’09, Fredericton, NB. September 2009
- “Quality Improvement within Critical Care”. Oral concurrent presentation.
- “Developing Interprofessional Practice through Quality Improvement Activities”. Oral concurrent presentation.
- “OR to PICU Safe Handover of Care of Cardiac Patients”. Oral concurrent presentation. Co-presented with Lisa Yarske

2008  CACCN Dynamics ‘08, Montreal. September
- “Advocating for patients and families through identification of patient risk & implementation of best practice: The role of the Quality and Safety Leader within the critical care environment.” Poster
- “Success of a National Pediatric Critical Care Collaborative in Reducing Central Line Blood Stream Infections: An Update on our Progress” Poster with E. Folz, J. Plouffe & M Golberg

- “Getting started with ICU Strategies” facilitator for group discussions
- “Overcoming Barriers in Quality Improvement: A Focus on the ICU Strategies” Co-presented with Leanne Couves

2007  Sigma Theta Tau International Conference, Baltimore Maryland
- “The Journey of Leadership: Building a Team and Better Outcomes for Children in Pediatric Intensive Care Unit” Poster presentation with Bonnie Christie.

2007  Canadian ICU Collaborative Learning Session, Regina, Sask., October
- “Strategies for Involving Families” Co-presented with Dr. Paul Boiteau
- “Holding the Gains and Spread” Co-presented with Dr. Paul Boiteau
2007 5th World Congress of Pediatric Critical Care, Geneva, Switzerland:

- “Success of a National Pediatric Critical Care Collaborative in Reducing Central Line Blood Stream Infections” by Alecia Robin, Tracie Northway, Maria Goldberg, Emma Folz, & Janelle Plouffe. (Oral presentation given by Alecia Robin)
- “So now you are telling us we’re not safe! - Creating a culture of safety within pediatric critical care”, Tracie Northway, Katrina Vershoor, Peter Skippen, Lynn Coolen, Leslie Braun, Rita Dekleer, Gordon Krahn, Lisa Krueckl, Alecia Robin, & Deb Scott. (Poster)
- “Creation and Implementation of an Improvement Bundle to Decrease Catheter-associated Urinary Tract Infections” by Tracey Green and Tracie Northway (Poster)
- “Communicating within a pediatric critical care unit: Moving towards improving care by building a collaborative practice “by Jaime Williams & Tracie Northway(Poster)
- “Reaching consensus: Partnering to provide best practice in pediatric surgical site and wound care” by Caroline Kohlberg & Tracie Northway (Poster)

2007 Safer Healthcare Now! Learning, Celebrating & Reflecting, Montreal, March.

- “Central Line Infections: Back to Basics”
- “Lessons on Spread from the Canadian ICU Collaborative” Co-presented with Dr. Paul Boiteau, Rosmin Esmail & Ann Kirby

2007 Canadian ICU Collaborative Learning Session, Montreal, Que., March

- “Engaging Physicians in Improvement projects“ Co-presented with Dr. Paul Boiteau

2006 Canadian Association of Pediatric Health Centers, Vancouver, BC: Poster presentations:

- “Creation and Implementation of a care Bundle to Reduce Catheter Associated Urinary Tract Infections.” Co-created with Tracey Green
- “Success of a national Pediatric Critical Care Collaborative in Reducing Central Line Related Blood Stream Infections.” Co-created with Maria Golberg, Emma Folz & Janelle Plouffe
- “So, Now You’re Telling Us We Are Not Safe! Creating a Culture of safety within Pediatric Critical Care.” Co-created with Katrina Verschoor, Peter Skippen, Lynn Coolen, Rita Dekleer, Leslie Braun, Gordon Krahn, Deborah Scott, Lisa Krueckl & Alecia Robin
- “Ethical and Quality Workplace Improvement by Pediatric Critical Care Staff.” Listed as contributor along with Andrea Yuel, Caroline Kohlberg, Pat Nelson, Linda Dart, et al.

2006 Canadian ICU Collaborative Learning Session, Winnipeg, MB., October.


2006 Canadian ICU Collaborative Learning Session, Whistler, BC. February

- “Improving Measurement.” Oral concurrent presentation. Co-presented with Bruce Harries, Improvement Associates Ltd
- “Reduction of Central Line Associated Blood Stream Infections.” Expert consultant for facilitation of working groups


2003 4th World Congress on Pediatric Intensive Care, Boston. Co-author of posters “Best Practice: A Team Approach to Improving the Quality of Care in a Tertiary Pediatric Intensive Care Unit” and “Re-investing in Our Experienced RNs.”


1995 CACCN, Vancouver: “Gender Issues in Nursing”. Panel member


1993 CACCN Dynamics ’93: Vancouver. “We Care... Helping Families Cope with Death”. Oral concurrent session; co-presented with Jennifer Hanson and Nancy Rasche

PUBLICATIONS


Jannell Plouffe  RNEP

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EDUCATIONAL PREPARATION

Doctor of Nursing Practice University of Minnesota: Minneapolis, MN 2009
College of Registered Nurses of Manitoba Extended Practice Registry 2006
Master of Nursing; Advanced Practice Major University of Manitoba: 2001
University of Athabasca, part-time studies: 1999
Bachelor of Science in Nursing, University of Alberta: 1985
Registered Nurse, Health Sciences Center School of Nursing: 1981.

EMPLOYMENT EXPERIENCE

2001 to present: Pediatric Intensive Care Unit Nurse Practitioner, Winnipeg Children’s Hospital, Manitoba.
1997 - 1999 Pediatric Intensive Care Unit Clinical Instructor, Winnipeg Children’s Hospital, Manitoba
1996 - 1997 Clinical Instructor Neonatal and Pediatric Critical Care Nursing Program (NPCCNP), Health Sciences Centre, Winnipeg Manitoba
1990 - 1996 Pediatric Intensive Care Unit Clinical Instructor, Winnipeg Children’s Hospital, Manitoba
1989 - 1990 Clinical Instructor NPCCNP, Health Sciences Centre.
1988 - 1989 Senior Team leader Pediatric Intensive Care Unit, Winnipeg Children’s Hospital, Manitoba
1985 - 1988 General Duty Nurse Pediatric Intensive Care Unit, Winnipeg Children’s Hospital, Manitoba
1983 - 1985 General Duty Nurse, Pediatrics, University of Alberta Hospital, Edmonton, Alberta
1981 - 1983 General Duty Nurse, Pediatric Burn Unit, Winnipeg Children’s Hospital, Manitoba
COMMUNITY OUTREACH

2009 Canadian Blood Services: Organ Donation Collaborative – Pediatric representative

2007 Collaborative educational module developed and instruction delivered for Combined Adult Pediatric Intensive Care Unit in Regina Saskatchewan

2007 5th International Council of Nurses International Nurse Practitioner/
Advanced Practice Nurses Network Conference Abstract review team member


2005 Canadian Nurses Association: Nursing Portal Project: aim was to develop an evidence based initiative for front line nurses across Canada, Ottawa, Ontario


2005 Teleconference with Kiviuq/ Nunavut region on the assessment and management of pediatric bronchiolitis - evidence-based perspective.

2003-2009 Lecturer on Pediatric Illness and participate in Foundations of APN panel. Nul Appointment with the University of Manitoba Nursing.


1999-2001 Sanikiluaq, Nunavet: Attended Northern nursing station provided essentials of pediatric nursing assessment in a manner consistent with the clinic operation.

1999 Instruction to Home Care workers and First Responder Services. Instruction provided on the emergency management of a tracheostomy in a child Lundar & Arborg, Manitoba.

1997 The development and instruction of a Pediatric Conference to Registered Nurses in the Westman district on the emergency nursing management and resuscitation of a infant/child. “Rubik’s Cube of Pediatric Resuscitation” Brandon, Manitoba

NURSING RESEARCH

2009 Implementation of a Post-resuscitation debriefing Intervention: Doctoral study

2008 Examination of post extubation complications associated with the use of Cuffed endotracheal tubes in infants and children less than 4 years of age

2007 Assessment of the clinical outcomes of pediatric severe sepsis with the development of a pediatric rapid response team and severe sepsis screening tool
2007 Assessment of the validity and reliability of the Broselow tape in Manitoba’s First nation children.

2006-2007 Health care providers perception of family presence during pediatric resuscitation in the Pediatric Intensive Care Unit

2006 Content expert / reviewer of Pediatric Research submission for funding grant Children’s Hospital Winnipeg Manitoba

2004 Evaluation of the Bronchiolitis Clinical Scoring tool for pediatric Bronchiolitis –examined the validity and reliability of this tool for use at Winnipeg children’s Hospital

2002 Outcomes measures for Pediatric ARDS: provider satisfaction in prone positioning and improved oxygenation in pediatric patients.

2001 Development of an evidence based clinical practice guideline for pediatric ARDS in the PICU.

CONTINUING EDUCATION

2007 Pals Instructor update / experienced instructor status

2006 Pediatric procedural sedation certification, Winnipeg Manitoba.

2005 On-site travel and training to Centers of Excellence for Continuous Renal Replacement Therapy in Pediatrics: Ann Arbor / Grand Rapids Michigan, USA

2004 Improving Quality in the Name of Patient Safety certification level 2

2004 Research issues in the introduction and evaluation of advanced practice nursing roles, PhD level course work. McMaster University; Hamilton, Ontario.

2003 Improving Quality in the Name of Patient Safety certification level 1

2001 McMaster Workshop on Teaching Evidence Based Medicine, Hamilton Ontario

2001 CAMATA certified; air medical transport trained and certified

1997 -2005 Advanced Critical Incident Stress Management trained and certified

1996 Advanced Burn Life Support course certified

1996 - 2009 Basic Cardiac Life Support Instructor Level

1994 - 1997 Critical Incident Management Peer Debriefer trained and certified

1994 - 2009 Pediatric Advanced Life Support (PALS) Instructor

1993 PALS Provider Course completion
Publications:


Secco, L., Woodgate, R., Hodgson, A., Kowalski, S., Plouffe, J., Rothney, P., Sawatski-Dickson, D., & Suderman, E. A Quantitative Study to Improve Pediatric Nurses Informatics Literacy


Presentations:

2010 Implementation of Pediatric Post-resuscitation Debriefing Intervention: Vignette for HSC Nurses Week

2010 Faith, Hope and Science: A Cold Water Survival Story. HSC Nursing Grand Rounds

2010 Implementation of Pediatric Post-resuscitation Debriefing Intervention. Presentation for Manitoba Centre for Nursing and Health Research

2010 H1N1: Communication at the Front Line: Speaker at Children’s Hospital Nursing Conference.

2008 Speaker Children’s Hospital Conference on Pediatric Severe Sepsis: A case study

2007 Canadian Association of Critical Care Nurses (CACCN): Speaker on research project of Family Presence in Pediatric Resuscitation: Health Care Providers Perceptions, Regina Saskatchewan

2007 Presentation on pediatric airway and breathing differences: From Little a’s and b’s to big A’s and B’s at CACCN, Regina Saskatchewan

2007 Canadian Association of Advanced Practice Nurses: Role of the acute care NP in the development and implementation of a pediatric rapid response team, Banff Alberta

2007 Panel presenter for Provincial Diagnostic Imaging workshop for practitioners sponsored by Manitoba Health, Winnipeg Manitoba

2007 Pediatric Grand rounds: The pediatric rapid response team at Winnipeg Children’s Hospital.

2006 Winnipeg Children’s Hospital Conference: Pediatric Rapid Response teams

2006 Co-presenting Evidence- based practice project: Family Presence in Pediatric Resuscitation, Winnipeg Manitoba

COMMITTEE INVOLVEMENT

Foundation of Registered Nurses of Manitoba: Strategic Planning Committee

Manitoba Centre for Nursing and Health Research: Professional Affiliate

Canadian Association Pediatric Health Centre: Member of the Patient Safety Collaborative

College of Registered Nurses of Manitoba Continuing Competency Committee

Canadian ICU Collaborative on Patient Safety- faculty position

Health Sciences Centre Advanced Practice Nurses Committee
FUNDING GRANTS / AWARDS

2009 College of Registered Nurses of Manitoba Excellence in Professional Nursing Award

2008 Pediatric Allied Health Professional of the Year: Award voted by Pediatric Residents


2008 Safer Health Care Now team profile: Submitted by the Canadian ICU collaborative as a team of Excellence

2008 Surviving Pediatric Sepsis Campaign: one year grant funded by the Children’s Hospital foundation as a new initiative to develop tools and test strategies to allow best practice to occur in the recognition and management of pediatric severe sepsis within the child health program

2007 Canadian Association of Critical Care Nurses research award: for project ‘Health care providers perceptions of family presence in pediatric resuscitation’

2007 Spacelabs Innovative Project Award: Solar system of safety in Pediatric Intensive Care Unit

2005- 2006 Development and implementation of a pediatric rapid response team at Winnipeg Children’s’ Hospital; 2 year grant endorsed by the Children’s Hospital Foundation

2005 Central venous line blood stream reduction: One year grant from Winnipeg Children’s Hospital Foundation to decrease the rate of Central Venous line blood stream infections in the Pediatric Intensive Care Unit

2005 Nursing Excellence Award at the Health Sciences Centre

2004 Winnipeg Children’s Hospital Foundation Grant: Development of a citrate based anticoagulation program for pediatric continuous renal replacement therapy.