

## Curriculum Vitae

**Leigh Ann Cates-McGlinn PhD, APRN, NNP-BC, RRT-NPS, CHSE**

**Neonatal Nurse Practitioner**

**Certified Healthcare Simulation Educator**

**Research-Principal Investigator**

**704-728-4961**

### BIOGRAPHICAL:

Birthdate: February 5, 1974  
Citizenship: United States of America

### EDUCATION:

Institution	Degree	Year Conferred	Field of Study
University of Texas Medical Branch Galveston, TX	PhD	2014	Nursing
Medical University of South Carolina Charleston, SC	MSN	2005	NNP
Odessa College, Odessa, TX	AAS	1998	Nursing
Odessa College, Odessa, TX	AAS	1995	Respiratory Care

### Academic Appointments:

08/28/2019-present

**Owner & Director, McGlinn Institute  
Flagstaff, AZ  
Multidimensional Competency Specialist**

#### Responsibilities:

Lead Nurse Planner, Business operations, promotion, and development. Virtual, live, and online module development and presentation. Create, coordinate, and facilitate simulation courses and workshops. Design, coordinate, and conduct hands-on procedure labs. Conduct academic research. Expert legal consultation.

01/07/2016-07/31/2017  
& 06/14/2021- 11/03/2022

**Assistant Professor, Baylor College of Medicine  
Houston, TX  
Department of Pediatrics, Section of Neonatology**

#### Responsibilities:

Neonatal Nurse Practitioner (NNP) didactic course development and education. Development and coordination of NNP Competencies and Simulation Course. Conduct research on all NNP educational endeavors. Design coordinate and conduct neonatal fellow procedure labs and simulations. Coordinate Neonatal Resuscitation (NRP) Program Certification Course for all neonatal providers at Texas Children's Hospital. Develop & Coordinate In situ simulations for the Newborn center at Texas Children's hospital.

08/10/2018-05/10/2019

**Clinical Associate Professor, Old Dominion University  
Norfolk, VA**

**Neonatal Nurse Practitioner Program**

Responsibilities:

Course revision and implementation of new course projects. Lead online discussions via bulletin board and live via webinars. Classroom instruction and clinical supervision of graduate-level neonatal nursing students in neonatal intensive care units and infant follow up clinics through 5 semesters. On campus labs coordinator and instructor. Development and coordination of simulation course/scenarios.

03/15/2018- 7/27/2018

**Clinical Associate Professor, East Carolina University  
Greenville, NC**

**Neonatal Nurse Practitioner Program**

Responsibilities:

Course revision and implementation of new course projects. Lead online discussions via live webinars and Slack. Classroom instruction and clinical supervision of graduate-level neonatal nursing students in neonatal intensive care units. Development, coordination, and instruction of Summer Intensive simulation scenarios.

08/24/07-12/31/2015

**Associate Professor, University of Texas Medical Branch  
Galveston, TX**

**Neonatal Nurse Practitioner Program**

Responsibilities:

Course revision and implementation of new course projects. Lead online discussions via bulletin board and live via video. Classroom instruction and clinical supervision of graduate-level neonatal nursing students in neonatal intensive care units and infant follow up clinics through 5 semesters. On campus labs coordinator and instructor. Development and coordination of simulation course/scenarios. Conduct research in various neonatal topics and multidimensional competency assessment utilizing simulation.

- US New & World Report-Voted Best Online Graduate Nursing Program 2014 & 2015
- Created the only NNP program in nation that the students complete over 30 simulation scenarios that BSN and RT students also participate as confederates, in which I personally authored and designed, that are mapped

to...

- Course Objectives
  - NANNP/NONPF Core Competencies
  - AACN Masters Essentials
  - Expected level of performance and understanding
- Students completing scholarly work prior to publication as a part of the curricula I designed and edit such as...
    - NANN CNE Education Modules
    - Peer reviewed articles
    - Presenting nationally at conferences
  - Students design and complete an electronic portfolio

**Other Advanced Training /Experience:**

**SIMULATION EDUCATION:**

<b>Program</b>	<b>Institution</b>	<b>Year Attended</b>	<b>Hours of Study</b>
Laerdal Mannequin Operation and Programming Course	University of Texas Medical Branch Galveston, TX	2008	8 hours
Center for Advanced Pediatric Education (CAPE) Simulation Instructor Course	Stanford University San Jose, CA	2009	24 hours
S.T.A.B.L.E. Simulation Instructor Course	Gaumard Training Center Waco, TX	2013	32 hours
The Institute for Medical Simulation Teaching Tool: Instructor Course	Harvard University	2014	40 hours
The Institute for Medical Simulation Teaching Tool: Debriefing Assessment for Simulation in Healthcare (DASH)	Harvard University	2017	4 hours

**ONLINE TEACHING EDUCATION:**

<b>Program</b>	<b>Institution</b>	<b>Year Attended</b>	<b>Hours of Study</b>
The University of Texas School of Nursing Online Teaching Certification Course	UTMB Galveston, TX	2015	80 hours

## HONORS:

2013-Texas Organization of Baccalaureate and Graduate Nursing Education (TOBGNE) Faculty Development Innovation in Teaching Award

2013-UTMB School of Nursing Salute to Nursing Scholarship Recipient

## LICENSURE INFORMATION

Date Obtained	Current Until	Certification
06/25/1998	02/28/2024	Advanced Practice Registered Nurse (APRN), AZ & TX
05/16/2006	02/28/2024	Registered Nurse, TN & TX
01/24/1995	Inactive	Respiratory Care Practitioner (RCP)

## BOARD CERTIFICATION

Date Obtained	Current Until	Certification
11/1994	Received higher certification	Certified Respiratory Therapy Technician- CRTT
12/02/1995	No retest	Registered Respiratory Therapist- RRT
03/14/1998	No retest	Neonatal/Pediatric Specialist-Respiratory Care- NPS
03/10/2006	03/15/2024	Neonatal Nurse Practitioner-NNP-BC

## ADDITIONAL CERTIFICATIONS/CREDENTIALS

Date Obtained	Current Until	Certification
09/1993	1/19/2025	CPR –provider
03/1995	06/2023	Pediatric Advanced Life Support – provider, instructor
01/1995	01/2025	Neonatal Resuscitation Program- provider, instructor
10/23/03	No recertification required	Percutaneous Intravenous Central Catheter Insertion Certified
12/12	03/2024	Certified Healthcare Simulation Educator

## FORMER CERTIFICATIONS

Date Obtained	Status	Certification
12/1994	07/07- allowed to expire: adults not currently in my scope of practice as an NNP	Advanced Cardiac Life Support – provider, instructor
8/1997	allowed to expire: adults not currently in my scope of practice as an NNP	Advanced Burn Life Support- provider
8/04/2004	Received a higher certification	Registered Nurse Certified - NICU
5/2006	Allowed to expire –time did not allow to teach enough classes to maintain cert.	Stable Support Instructor

GNRS 6347 Ethics in Research GNRS 6361 Quantitative Data Management MEHU 6101 Ethics of Scientific Research GNRS 6348 Qualitative Research GNRS 6350 Clinical Investigations GNRS 6352 Survey of Instrumentation GNRS 6039.2 Real Time Delphi (Practicum) GNRS 6351 Qualitative Data Management GNRS 6088 The Delphi Method GNRS 6340 Doctoral Research Seminar GNRS 6396 Ad. Critique of Quant. Studies	Examines Research Human Rights Issues Introduces Quantitative Data Analysis* Specifies Human Rights Considerations Introduces Qualitative Methodologies Presents Grant Writing Skills* Examines Instrument Development* Explored the RTD Methodology Experienced a Qualitative Study*§ Practiced a Delphi Study* § Proposal Preparation & Defense* Advance Quantitative Article Critique Skills
*Courses that specifically addressed the development of my dissertation § Courses that included research projects that help develop portions of my dissertation	

## II. Research Information

Graduate School of Biomedical Sciences PhD Courses	
Course	Comment
GNRS 6341 History and Philosophy GNRS 6357 Nursing Science I GNRS 6400 Nursing Theory GNRS 6346 Quantitative Research GNRS 6358 Nursing Science II GNRS 6402 Advanced Statistics GNRS 6309 Research Practicum I	Focus on history and knowledge of science Initiates Review of Literature Skills Develops Insight of Concepts Analyses Create a Quantitative Proposal Advances upon Review of Literature Skills Assesses Quantitative Statistical Methods Developed Comprehensive Annotated Bib.

**Cates L.A.** (2013, October) Research proposal: Constructing the cornerstones for C.A.T.E.S.  
The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS)  
PhD Program- Galveston, TX.

**Cates, L.A.** (2014) Constructing the Corner stones for C.A.T.E.S. – A Real-Time Delphi  
Study- Dissertation Research conducted to establish face and content validity for C.A.T.E.S.- an  
instrument in development to evaluate multidimensional competency of Neonatal Nurse Practitioners  
performing in Simulation. The University of Texas Medical Branch Graduate School of Biomedical  
Sciences, Galveston, TX.

Arnold, J., **Cates, L.A.**, Sundgren, N., Khattab, M., Kainer, K., Griffiths, P. (2015). Newborn center In-Situ Simulation Needs Assessment Survey. Texas Children's Hospital, Houston, TX.

Khattab, M., Sundren, N. **Cates, L.A.**, Kainer, K., McMullen, L., Hagan, J. Arnold, J. (2016). Use Of a defined role/responsibility chart and a color-coded floor code map as an innovative tool to improve role clarity during in situ simulations. Baylor College of Medicine, Houston, Texas.

**Cates, L.A.**, Ottosen, M. (2017). *Understanding Parents' Perceptions of NICU Safety Culture: Development of the Parent-Centered Safety Culture Tool*. Baylor College of Medicine, & The University of Texas Health Science Center, Houston, Texas.

#### **APPROVED IRB PROTOCOLS:**

##### **Baylor**

**Cates, L.A.**, Ottosen, M., H-38873 - *Understanding Parents' Perceptions of NICU Safety Culture: Development of the Parent-Centered Safety Culture Tool*- Approval Valid From 5/16/2016 TO 5/15/2017

#### **INVITED COMMITTEE MEMBER:**

##### **Dissertation**

Chisholm, LA (2015-16). Team performance observation tool with targeted behavioral markers: Development and plan for reliability and validity evaluation. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.

##### **Capstone**

Kimberly Clipp (2015) Maintaining Neonatal Nurse Practitioners' procedural competencies: A description study of current practices. Texas Tech University Lubbock, TX.

Colleen, Moss (2019) Use of Mentoring Guidelines to Positively Impact Neonatal Nurse Practitioners. Vanderbilt University, Nashville, TN.

#### **PUBLICATIONS:**

##### **Articles in Peer-Reviewed Journals:**

**Cates, L.A.** (2009). Pigtail catheters used in the treatment of pneumothoracies in the neonate. *Advances in Neonatal Care*, 9(1), 7-16.

**Cates, L.A.** (2011). Simulation training: a multi-disciplinary approach. *Advances in Neonatal Care*, 11(2), 95-100.

Armentrout, D.A., **Cates, L.A.**, (2011). Informing Parents about the Actual or Impending Death of Their Infant in a Newborn Intensive Care Unit. *Journal of Perinatal & Neonatal Nursing*, 25(3), 1-7.

**Cates, L.A.**, Wilson, D. (2011). Acquisition and Maintenance of Competencies Through Simulation for Neonatal Nurse Practitioners. *Advances in Neonatal Care*, 11(5), 305-62.

- Cates, L.A.,** Armentrout, D.A (2013). Simulation with Synergy and Community Energy. *Advances in Neonatal Care*, 13(2) 97-102.
- Cates, L.A.** (2014). Description of the foundations of C.A.T.E.S.: An Instrument in development. *Journal of Clinical Simulation in Nursing*, 10(10), 494-502.
- Cates, L.A.,** Armentrout, D.A (2015). Cultivating future scholars (Editorial) *Neonatal Network: The Journal of Neonatal Nursing*, 34 (5), 267-68.
- Cates, L.A.,** Bishop, S. Verklan, M.T., Armentrout, D.A., Arnold, J., Doughty, C. (2015). Initial development of C.A.T.E.S.: A simulation-based competency assessment instrument for neonatal nurse practitioners. *Neonatal Network: The Journal of Neonatal Nursing*, 34 (6), 329-336.
- Couroucli, X., Placencia, J., **Cates, L.A.,** Suresh, G. (2016). Should we still use vitamin A to prevent bronchopulmonary dysplasia? *Journal of Perinatology*, doi: 10.1038/jp.2016.76. [Epub ahead of print].
- McGlinn, L.A.,** Sundgren, N.C. (October 24, 2022) Format Changes Improve Learner Satisfaction in Local Neonatal Resuscitation Program Skills Education. *Cureus* 14(10): e30632. doi:10.7759/cureus.30632.

#### **Abstracts in Peer-Reviewed Journals:**

- Cates, L.A.** (2014) Constructing the Cornerstones for C.A.T.E.S. *Journal for the Society for Simulation in Healthcare*, 9(6) 401.

#### **Invited Articles:**

- Cates, L.A.** (2008). Melendez N.T. (ed). I Married a Teen Challenge Graduate, Inspiring True Stories; Rick and Leigh Ann Cates. Mobile Gazelle Press, 141-143.
- Cates, L.A.** (2012). Neonatal nurse practitioner-performed circumcisions. *Florida Association of Neonatal Nurse Practitioners (FANNP) News*, 23(3), 1,4.
- Cates, L.A.** (2013). Pulseless Electrical Activity. *Florida Association of Neonatal Nurse Practitioners (FANNP) News*, 24(2), 3-4.

#### **Book Chapters:**

- Cates, L.A.** (2014). Extracorporeal membrane oxygenation. In M. T. Verklan, & M. Walden (Eds.), *Core curriculum for neonatal intensive care nursing* (5th ed.). St. Louis, MO: Saunders Elsevier.
- Cates, L.A.,** Jnah A. (2014). Introduction. In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.,** Marburger, V. Acree C. (2014). Scientific foundations. In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.,** Marburger, V. Acree C. (2014). Independent practice. In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).

- Cates, L.A.**, (2014). Chest tube insertion (pigtail). In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Circumcision (Mogen Clamp) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Circumcision (Gomco Device) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Circumcision (Plastibell Device) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Defibrillator (Cardioversion) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Defibrillator (Defibrillation) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates, L.A.**, (2014). Defibrillator (Mechanical Pacing) In *NANNP Competencies and Orientation Toolkit for Neonatal Nurse Practitioners* (2<sup>nd</sup> ed.) Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Sundgren, N.C., **Cates, L.A.** (2017). Neonatal Resuscitation. In Adams, J. & Fernandes, C. *Guidelines for Acute Care of the Neonate* (25<sup>th</sup> ed.). Section of Neonatology, Department of Pediatrics Baylor College of Medicine Houston, TX.
- Cates-McGlenn, L.A.** (2018). Revisions and Permissions for Hale Mentorship Assessment for Neonatal Nurse Practitioner Mentors. In *NANNP Mentoring Toolkit for Neonatal Nurse Practitioners*. Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates-McGlenn, L.A.** (2018). Revisions and Permissions for Hale Mentorship Assessment for Neonatal Nurse Practitioner Protege. In *NANNP Mentoring Toolkit for Neonatal Nurse Practitioners*. Chicago, IL: National Association of Neonatal Nurse Practitioners (NANNP).
- Cates-McGlenn, L.A.**, Chuffalo-Davila, R., Narendran, V., Visscher, M. (2019). Neonatal Skin. In A. Jnah & A. Trembath (Eds.), *Fetal Neonatal Physiology for the Advanced Practice Nurse*. New York, NY: Springer Publishing Company, LLC.
- Cates-McGlenn, L.A.** (2020). Extracorporeal membrane oxygenation. In M. T. Verklan, M. Walden, & S. Forrest (Eds.), *Core curriculum for neonatal intensive care nursing* (6th ed.). St. Louis, MO: Saunders Elsevier.



Bhatt, A., Davies, J., **McGlinn, L.A.**, Sundgren, N.C. (2022). Retinopathy of Prematurity. In Fernandes, C., Pammi, M., & Katakam L. *Guidelines for Acute Care of the Neonate* (30<sup>th</sup> ed.). Section of Neonatology, Department of Pediatrics Baylor College of Medicine Houston, TX.

Rhee, C.J., & **McGlinn, L.A.**, (2022). Neural Tube Defects. In Fernandes, C., Pammi, M., & Katakam L. *Guidelines for Acute Care of the Neonate* (30<sup>th</sup> ed.). Section of Neonatology, Department of Pediatrics Baylor College of Medicine Houston, TX.

Fortunov, R., **McGlinn, L.A.**, Nevelin, N., & Sundgren, N.C. (2022). Delivery Room Stabilization. In Fernandes, C., Pammi, M., & Katakam L. *Guidelines for Acute Care of the Neonate* (30<sup>th</sup> ed.). Section of Neonatology, Department of Pediatrics Baylor College of Medicine Houston, TX.

### Dissertation:

**Cates, L.A.** (2014). Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.

### Media:

**Cates, L.A.** (2014) Tension Pneumothorax featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/qmd434un0icn93a/Tension%20Pneumothorax.wmv>

**Cates, L.A.** (2014) Difficult Airway featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/cskmcbtkkc25q8n/Difficult%20Airway.wmv>

**Cates, L.A.** (2014) Lower Airway Obstruction- RSV/Bronchiolitis featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/zej0uf25u91c1fz/RSV%20Bronchiolitis.wmv>

**Cates, L.A.** (2014) Aspiration Pneumonia featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/q1umdacxdbhie0v/Aspiration%20Pneumonia.wmv>

**Cates, L.A.** (2014) Pulmonary Hemorrhage & Obstructed ETT featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/3nee0pc4f7tdxw3/Pulmonary%20Hemorrhage.wmv>

**Cates, L.A.** (2014) Pulseless Electrical Activity (PEA) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/3cwa2b0wmvi06kd/Pulseless%20Electrical%20Activity%20.wmv>

- Cates, L.A.** (2014) Asystole featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/h4a5tllm4h43u3e/Asystole.wmv>
- Cates, L.A.** (2014) Ventricular Tachycardia with Pulses (V-Tach w/ pulses) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/6hh41jib0j7pqon/Ventricular%20Tachycardia%20with%20Pulse.wmv>
- Cates, L.A.** (2014) Bradycardia featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/34ewqfsv00upckx/Bradycardia.wmv>
- Cates, L.A.** (2014) Pulseless Ventricular Tachycardia (Pulseless V-Tach) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/psg6ngrns87plwt/Pulseless%20V-Tach.wmv>
- Cates, L.A.** (2014) Ventricular Fibrillation (V-Fib) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/03tp4u65hht2woa/Ventricular%20Fibrillation.wmv>
- Cates, L.A.** (2014) SVT unresponsive to Adenosine and vagal maneuvers featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/mvprfrm3eupnsb/Supraventricular%20Tachycardia.wmv>
- Cates, L.A.** (2014) Hypovolemic Shock (dehydration- Failure to thrive) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/hpomntb66yqpcap/Hypovolemic%20Shock.wmv>
- Cates, L.A.** (2014) Distributive Shock (Sepsis and pneumonia) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/80l0mdv09govfjz/Distributive%20Shock.wmv>
- Cates, L.A.** (2014) Symptomatic Severe Hypoglycemia featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/af2ufuu5bm3za05/Severe%20Hypoglycemia.wmv>
- Cates, L.A.** (2014) Recurrent Hypoglycemia with Respiratory Distress, Pneumonia, Hypotension featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/dz7orhf0z2pyvh5/Recurrent%20Hypoglycemia%20Resp.%20Distress.wmv>

- Cates, L.A.** (2014) Post Home Delivery with displaced ETT featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/9xvxbnn7thv1bad/Post%20Home%20Delivery%20.wmv>
- Cates, L.A.** (2014) Disordered Control of Breathing (narcotic OD at home- mom gave infant methadone)- ER setting featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/gcbsth0v7iwt6t/Disordered%20Control%20of%20Breathing.wmv>
- Cates, L.A.** (2014) Resuscitation Involving Meconium- “Non-Vigorous” featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/ksbevz8acmpqc/Meconium Non Vigorous .wmv>
- Cates, L.A.** (2014) Abrupton at delivery featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX. <https://www.dropbox.com/s/h264uq98vnmji4s/Abruption.wmv>
- Cates, L.A.** (2014) Delivery with meconium, gastroschisis, persistent cyanosis –CHD featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/fuewkuwzycvsb2n/Meconium%20Gastroschesis%20CHD.wmv>
- Cates, L.A.** (2014) Necrotizing Enterocolitis and Delivering Bad News featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/rj4dp1jxxlfamx2/NEC%20Delivery%20of%20Bad%20News.wmv>
- Cates, L.A.** (2014) Ethics and Care at the End of Life (no response to resuscitation efforts at delivery- due to true knot in cord) featured in Constructing the Cornerstones for C.A.T.E.S. The University of Texas Medical Branch Graduate School of Biomedical Sciences (GSBS) PhD Program- Galveston, TX.  
<https://www.dropbox.com/s/qlfald9inyg2j74/Ethics%20End%20of%20Life.wmv>
- Cates, L.A.** (2014). Activation of the Houston Methodist Hospital’s Neonatal Response Teams. Houston Methodist Hospital Center for Women’s Services- Houston, TX.  
Training Video: Activation of the Methodist Neo Response Team (30:48) <http://youtu.be/rlkMNRcKbRY>
- Cates, L.A.** (2014). Activation of the Houston Methodist Hospital’s Neonatal Response Teams. Houston Methodist Hospital Center for Women’s Services- Houston, TX.  
Exemplar Video in Entirety (11:20) <http://youtu.be/M24xKKJBPdY>
- Sundgren, N., McGlinn, L.A.* (2018). Prepare for delivery through MRSOPA for 7<sup>th</sup> ed. NRP Courses at Texas Children’s Hospital-Exemplar Video  
[https://www.youtube.com/watch?v=72nqAsVmD5w&list=PLT3P66D18bGI\\_BVQNtq8AnVNwAxxIDZPm](https://www.youtube.com/watch?v=72nqAsVmD5w&list=PLT3P66D18bGI_BVQNtq8AnVNwAxxIDZPm)

Sundgren, N., **McGlinn, L.A.** (2018). Intubation & Chest Compressions for 7<sup>th</sup> ed. NRP Courses at Texas Children's Hospital-Exemplar Video [https://www.youtube.com/watch?v=C1yh-1N3A3Q&list=PLT3P66D18bGI\\_BVQNtq8AnVNwAxxIDZPm&index=2](https://www.youtube.com/watch?v=C1yh-1N3A3Q&list=PLT3P66D18bGI_BVQNtq8AnVNwAxxIDZPm&index=2)

Sundgren, N., **McGlinn, L.A.** (2018). Umbilical Line Placement for 7<sup>th</sup> ed. NRP Courses at Texas Children's Hospital-Exemplar Video [https://www.youtube.com/watch?v=uJVc1D3UcHA&list=PLT3P66D18bGI\\_BVQNtq8AnVNwAxxIDZPm&index=3](https://www.youtube.com/watch?v=uJVc1D3UcHA&list=PLT3P66D18bGI_BVQNtq8AnVNwAxxIDZPm&index=3)

## **MANUSCRIPT REVIEWS:**

2009 National Association of Neonatal Nurses Transport Standards & Guidelines

2011 Pulmonary air leaks in the neonate/ the use of thoracotomy tubes/pulmonary interstitial emphysema Ch 16. MC Strategies-Healthcare E-learning Company- Elsevier.

2011 Transitioning from stiff chest tubes to soft pleural catheters: Prospective assessment of a practice change- Clinical research- Journal of Pediatric Surgery

2013- Creating a core syllabus for clinical competency: standardizing the education of UK specialized neonatal nurses-Nurse Education Today

2013-Becoming a nurse: A study of career choice and professional adaptation among nursing students-Nurse Education Today (Revisions 1 and 2).

2014- Doctoral theses in nursing and midwifery: Challenging their contribution to nursing scholarship and the profession- Nurse Education Today

2014- Comparison between two clinical simulation modalities for the acquisition of basic life support competence on nursing students - Nurse Education Today

2014- Development of simulation evaluation tool [SETc-dehydration] for students' clinical judgment: caring for children with dehydration- Nurse Education Today

2014-Attitudes toward Curriculum for Simulation-based Objective Structured Clinical Examination in Nursing Students: An Application of Q methodology-Nurse Education Today

2015-Attitudes toward Curriculum for Simulation-based Objective Structured Clinical Examination in Nursing Students: An Application of Q methodology-Nurse Education Today

2015- An experimental investigation into the extent social evaluation anxiety impairs performance in simulation-based learning environments-Nurse Education Today

2016- If the Walls Could Talk: Student Perspectives on What Makes for a Good Teacher. Nurse Education Today

2016- The impact of quantitative feedback on the performance of chest compression by Basic Life Support trained clinical staff. Nurse Education Today

2016- Infant pacifiers for reduction in risk of sudden infant death syndrome- Cochran review

2017- A qualitative descriptive exploration of the educational and career plans of junior Neonatal Intensive Care Nurses and Midwives: An Irish Perspective-Advances in Neonatal Care

2017- The History and State of Neonatal Nursing Quality Improvement Practice and Education- Neonatal Network: The Journal of Neonatal Nursing

2017- Structured Educational Intervention Leads to better Infant Positioning in the NICU. Neonatal Network: The Journal of Neonatal Nursing

2017- Team-Based Learning in Year One Nursing Undergraduates: A Pre-Test Post-Test Study. Nurse Education Today

2017- Behavioral organization in infants with intraventricular hemorrhage: Characteristics and clinical implications. Neonatal Network: The Journal of Neonatal Nursing

2018- AV canal and Dextrocardia: Case Report with Implications for Community-Based providers. Neonatal Network: The Journal of Neonatal Nursing

2018- Inter-professional simulation in undergraduate nursing program: a systematic review. Nurse Education Today

2018- Using a simulated randomized controlled trial to teach research design. Nurse Education Today

2018-Interprofessional simulation in undergraduate nursing program: an integrative review. Nurse Education Today

### III. Teaching Information

#### Didactic course work

**Cates L.A.** (1995, December). *Infection Control, Universal Precautions and Sterile Technique*. Odessa College Respiratory Therapy Program, Odessa, TX

**Cates L.A.** (2002, July). *The Nuts and Bolts of Electrophysiology and Rhythm Recognition*. Staff Training Heart Place Hospital, Midland, TX.

**Cates L.A.** (2003, January). *The Nuts and Bolts of Electrophysiology and Rhythm Recognition*. Staff Training Heart Place Hospital, Midland, TX.

**Cates L.A.,** Harnett K., Loeper R. (2005, March) *Stem Cell Research: Forging Ahead While Maintaining a Balance*. Medical University of South Carolina. Charleston, SC.

**Cates L.A.** (2005, September). *ROP Case Presentation*. Medical University of South Carolina. Charleston, SC.

**Cates L.A.,** Fender S.M., Richardson L.B., Hamilton T.L., Sizemore A., Lanford E.B. (2005, October). *Patricia Benner's Novice to Expert Theory*. Medical University of South Carolina. Charleston, SC.

Leigh Ann Cates-McGlenn PhD, APRN, NNP-BC, RRT-NPS, CHSE

**Cates L.A.** (2005, November). *CDH Case Presentation*. Medical University of South Carolina. Charleston, SC.

**Cates L.A.** (2005, November). *CoNS Infections in the NICU*. Medical University of South Carolina. Charleston, SC.

**McGlenn Institute**

**Flagstaff, AZ**

**Multidimensional Competency Specialist**

Online Education, In-person Skills and Simulation based training: Faculty 08/2019-present

- Created and designed website ([www.mcglenninstitute.net](http://www.mcglenninstitute.net) , [www.mcglenninstitute.com](http://www.mcglenninstitute.com), and <https://mcglenn-institute-neonatal.thinkific.com/>)
- Developed partnership with GOLD Learning to offer CEUs
- Created/ Presented multiple lectures listed below
- Achieved ANCC Provider status to provide NCPD hours
- NRP courses
- Procedural Skills courses
- Simulation-Based Training Courses
- Obtained ANCC provider accreditation

**Cates-McGlenn L.A.** (2022, Jan). Interpreting laboratory data in the newborn. McGlenn Institute Online Education-Recorded Presentation. <https://mcglenn-institute-neonatal.thinkific.com/>

**Cates-McGlenn L.A.** (2022, Jan). Neonatal blood gas interpretation. McGlenn Institute Online Education-Recorded Presentation. <https://mcglenn-institute-neonatal.thinkific.com/>

**Cates-McGlenn L.A.** (2022, Jan). Interpretation of neonatal diagnostic imaging. McGlenn Institute Online Education-Recorded Presentation. <https://mcglenn-institute-neonatal.thinkific.com/>

**Cates-McGlenn L.A.** (2022, Jan). Neonatal arrhythmia interpretation & treatment. McGlenn Institute Online Education-Recorded Presentation <https://mcglenn-institute-neonatal.thinkific.com/>

**Cates-McGlenn L.A.** (2021, June). Neonatal arrhythmia interpretation & treatment. McGlenn Institute Online Education-Recorded Presentation <https://www.mcglenninstitute.com/education/>

**Cates-McGlenn L.A.** (2021, June). Interpretation of neonatal diagnostic imaging. McGlenn Institute Online Education-Recorded Presentation. <https://www.mcglenninstitute.com/education/>

**Cates-McGlenn L.A.** (2021, June). Neonatal blood gas interpretation. McGlenn Institute Online Education-Recorded Presentation. <https://www.mcglenninstitute.com/education/>

**Cates-McGlenn L.A.** (2019, October). *Neonatal EKG interpretation & treatment*. McGlenn Institute Online Education-Recorded Presentation <https://www.goldlearning.com/ce-library/all-lectures/neonatal-arrhythmias-interpretation-treatment-detail>

**Cates-McGlenn L.A.** (2019, November). *Neonatal assessment series module 1-developing a comprehensive history*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/ce-library/all-lectures/neonatal-assessment-modules-1-5-private-detail>

**Cates-McGlenn L.A.** (2019, November). *Neonatal assessment series module 2-assessment of gestational age*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/ce-library/all-lectures/neonatal-assessment-modules-1-5-private-detail>

**Cates-McGlenn L.A.** (2019, November). *Neonatal assessment series module 3-integumentary assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/ce-library/all-lectures/neonatal-assessment-modules-1-5-private-detail>

**Cates-McGlenn L.A.** (2019, November). *Neonatal assessment series module 4-neurological assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/ce-library/all-lectures/neonatal-assessment-modules-1-5-private-detail>

**Cates-McGlenn L.A.** (2019, November). *Neonatal assessment series module 5-musculoskeletal assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/ce-library/all-lectures/neonatal-assessment-modules-1-5-private-detail>

**Cates-McGlenn L.A.** (2020, March). *Neonatal assessment series module 6-HEENT assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/mcglenn-institute/neonatal-assessment-modules-6-10-private-detail>

**Cates-McGlenn L.A.** (2020, March). *Neonatal assessment series module 7-respiratory assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/mcglenn-institute/neonatal-assessment-modules-6-10-private-detail>

**Cates-McGlenn L.A.** (2020, March). *Neonatal assessment series module 8-cardiovascular assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/mcglenn-institute/neonatal-assessment-modules-6-10-private-detail>

**Cates-McGlenn L.A.** (2020, March). *Neonatal assessment series module 9-abdominal assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/mcglenn-institute/neonatal-assessment-modules-6-10-private-detail>

**Cates-McGlenn L.A.** (2020, March). *Neonatal assessment series module 10-genitourinary assessment*. McGlenn Institute Online Education-Recorded Presentation. <https://www.goldlearning.com/mcglenn-institute/neonatal-assessment-modules-6-10-private-detail>

**Old Dominion University**

**Norfolk, VA**

**Neonatal Nurse Practitioner Program**

**NURS 778 Advanced Neonatal Nursing Practicum II: Course Coordinator 08/2018-05/2019**

- Created /graded Notes with Rationale & Reflections Assignments
- Created and Lead Weekly Bb posts
- Created/ Presented multiple lectures listed below
- Performed clinical site visit
- Designed/ coordinated simulations for Intensive session
  - See Non-Didactic section

**Course Lectures –Presented when students on campus or as live on-line lecture**

**Cates-McGlenn L.A.** (2018, September). *Intro to Simulation*. Old Dominion University-NNP Program Online-

Recorded Presentation.

**Cates-McGlenn L.A.** (2018, September). *Key Points to Notes with Rationale and Reflection*. Old Dominion University-NNP Program Webinar Presentation.

**Cates-McGlenn L.A.** (2018, September). *Admission orders*. Old Dominion University-NNP Program Webinar Presentation.

**NURS 775 Advanced Neonatal Nursing High-Risk Management II: Course Coordinator 01/2019-present**

- Created & Lead Weekly Discussion Board Posts
- Created & Presented multiple lectures listed below
- Created 9 new course modules
- Created & graded group poster presentation assignment & guidelines
- Created & graded individual case study presentation & guidelines
- Created & graded 3 exams

**Course Lectures –Presented when students on campus or as live on-line lecture**

**Cates-McGlenn L.A.** (2019, January). *Neonatal arrhythmia interpretation & treatment*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, February). *Primary respiratory disorders in the neonate*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, February). *Neonatal ECMO Management*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, February). *Neonatal metabolic disorders*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, March). *Neonatal hematologic disorders*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, March). *Limiting post-natal hypoxia in the delivery room*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, April). *Neonatal genetic conditions*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, April). *Neonatal abdominal x-ray interpretation*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Course Lectures: Presented within the module from date of creation and updated as needed - read only lectures**

**Cates-McGlenn L.A.** (2019, January). *Hemodynamic changes in neonates*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Congenital heart defects*. Old Dominion University-NNP Program



Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Acyanotic congenital heart defects*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Cyanotic congenital heart defects*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Interpreting neonatal chest x-rays*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Interpreting neonatal blood gases*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Principals of Oxygenation & O<sub>2</sub> Delivery*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, January). *Neonatal ventilation methods*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, February). *Neonatal ECMO physiology*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, February). *Neonatal multisystem organ failure*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, March). *Neonatal endocrine disorders*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Nolte, E. & Cates-McGlenn L.A.** (2019, March). *Achondroplasia*. Old Dominion University-NNP Program Online-Recorded Presentation.

**Cates-McGlenn L.A.** (2019, April). *Interpreting neonatal abdominal x-rays*. Old Dominion University-NNP Program Online-Recorded Presentation.

NURS 731 Newborn Assessment: Course Designer 01/2019-05/10/2019

- Created 12 Weekly Discussion Board Posts
- Created 12 new course modules
- Created Newborn Physical exam assignment & guidelines
- Created 3 exams

***East Carolina University Neonatal Nurse Practitioner Program***

NURS 6421 Neonatal Nurse practitioner Concentration: Course Faculty 05/2018-07/2018

- Lead and guided weekly Bb posts
- Presented multiple lectures listed below
- Designed/ coordinated simulations for Intensive session
  - See Non-Didactic section

## **Course Lectures –Presented when students on campus or as live on-line lecture**

**Cates-McGlinn L.A.** (2018, May). *Intro to Simulation*. East Carolina University-NNP Program Summer Intensive, Raleigh, NC.

**Cates-McGlinn L.A.** (2018, May). *Core Concepts of NRP*. East Carolina University-NNP Program Summer Intensive, Raleigh, NC.

**Cates-McGlinn L.A.** (2018, May). *Core Concepts of NRP*. East Carolina University-NNP Program Webinar and online discussion.

**Cates-McGlinn L.A.** (2018, May). *Interpreting Laboratory Data in the Neonate*. East Carolina University-NNP Program Webinar and online discussion.

**Cates-McGlinn L.A.** (2018, June). *Key Points to Notes*. East Carolina University-NNP Program Webinar and online discussion.

**Cates-McGlinn L.A.** (2018, June). *Interpreting Neonatal Chest X-Rays*. East Carolina University-NNP Program Webinar and online discussion.

**Cates-McGlinn L.A.** (2018, June). *Interpreting Neonatal Abdominal X-Rays*. East Carolina University-NNP Program Webinar and online discussion.

## ***The University of Texas Medical Branch (UTMB) at Galveston Neonatal Nurse Practitioner Program***

### GNRS 5303 Advanced Neonatal Health Assessment: Course Coordinator 2007-2015

- Created and graded tests and course work
- Designed group presentations guidelines on multiple neonatal topics
- Designed E-folio guidelines
- Lead and guided weekly Bb posts
- Presented multiple online lectures listed below
- Designed/ coordinated on campus days
  - See Non-Didactic section

### GNRS 5631 Neonatal Concepts and Practicum I: Course Faculty – 2007-2015

- Created and graded Maternal-Fetal Interaction Paper Guidelines
- Lectures listed below
- Perform clinical site visits across the nation
- Presented multiple online lectures listed below
- Designed/ coordinated on campus days
  - See Non-Didactic section

### GNRS 5632 Neonatal Concepts and Practicum II: Course Faculty – 2007-2015

- Created and graded Complex Discharge Paper Guidelines
- Created and Edited Review Article Papers for Publication Guidelines
- Created and Edited Abstracts/Presentation for Conference Submission Guidelines
- Lectures listed below

- Perform clinical site visits across the nation
- Presented multiple online lectures listed below
- Designed/ coordinated on campus days
  - See Non-Didactic section

GNRS 5633 Neonatal Concepts and Practicum III: Course Faculty – 2007-2015

- Created and graded CNE Now Guidelines
- Created and graded QI Project /Presentation Paper & guidelines
- Lectures listed below
- Perform clinical site visits across the nation
- Designed/ coordinated on campus days
  - See Non-Didactic section

GNRS 5434 Neonatal Concepts and Practicum IV: Course Faculty–2007-2015

- Perform clinical site visits across the nation

**Course Lectures: Presented within the module from date of creation and updated as needed - read only lectures**

- Cates L.A.** (2008). *Neonatal gestational age assessment*. GNRS 5303 Module 1.2-Advanced Neonatal Health Assessment. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2008). *Common neonatal respiratory issues*. GNRS 5303 Module 4-Advanced Neonatal Health Assessment. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2008). *Basic Arrhythmia Interpretation*. GNRS 5303 Module 5-Advanced Neonatal Health Assessment. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010). *Neonatal diagnostic imaging*. GNRS 5303 Module 10.1-Advanced Neonatal Health Assessment. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015). *Crisis resource management*. GNRS 5303 Module 11.2-Advanced Neonatal Health Assessment. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2009). *Basics of acid base balance*. GNRS 5631 Module 2 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2009). *Fluid & electrolytes*. GNRS 5631 Module 2.1 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2009). *Principles of oxygenation and O2 therapy in the NICU*. GNRS 5631 Module 4 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010). *Mechanical ventilation in the NICU*. GNRS 5631 Module 4 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010). *Basics of ABG interpretation*. GNRS 5631 Module 4 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011). *ECMO: neonatal management*. GNRS 5631 Module 4 -NNP Practicum I. The University

of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *ECMO physiology*. GNRS 5631 Module 4 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Basic Neonatal radiographic imaging*. GNRS 5631 Module 4 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Basics of congenital heart disease*. GNRS 5631 Module 5 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Basics of acyanotic congenital heart disease*. GNRS 5631 Module 5 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Basics of cyanotic congenital heart disease*. GNRS 5631 Module 5 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Hemodynamic changes in neonates*. GNRS 5631 Module 5 -NNP Practicum I. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011). *Discharge of the complex neonatal patient*. GNRS 5632 Module 8 -NNP Practicum II. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013). *Multisystem organ failure*. GNRS 5633 Module 9 -NNP Practicum III. The University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013). *Neonatal transport*. GNRS 5633 Module 10 -NNP Practicum III. The University of Texas Medical Branch- NNP Program, Galveston, TX.

#### **Course Lectures –Presented when students on campus or as live on-line lecture**

**Cates L.A.** (2008, May). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2009, January). *Pigtail Catheter Placement*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2009, January). *Neonatal Advanced Assessment GU Section*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2009, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2009, January). *NNP Progress Notes*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2009, January). *PICC Placement*. University of Texas Medical Branch- NNP Program, Galveston, TX.

- Cates L.A.** (2009, May). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, January). *Stones of Remembrance*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, January). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, June). *Infant Resuscitation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, November). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2010, November). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, January). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, January). *Stones of Remembrance*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, June). *Infant Resuscitation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, June). *Special Report: Changes to NRP*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, September). *Enteral nutrition in neonates*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, September). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, October). *NNP Progress Notes*. University of Texas Medical Branch- NNP

Program, Galveston, TX.

**Cates L.A.** (2011, October). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, June). *Infant Resuscitation*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, September). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, September). *Enteral nutrition in neonates*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, September). *NNP Progress Notes*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, November). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, September). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, September). *Enteral nutrition in neonates*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, September). *NNP Progress Notes*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2013, November). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2014, January). *FEN Calculations*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2014, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.

- Cates L.A.** (2014, June). *Infant Resuscitation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2014, September). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2014, September). *Enteral nutrition in neonates*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2014, September). *NNP Progress Notes*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2014, November). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, June). *Basic Arrhythmia Interpretation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, June). *Infant Resuscitation*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, September). *Simulation Based Training*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, September). *Enteral nutrition in neonates*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, September). *NNP Progress Notes*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2015, November). *Communicating Bad News to Families in the NICU*. University of Texas Medical Branch- NNP Program, Galveston, TX.

**Southern Tennessee Regional Health System (STRHS):**

- Cates-McGlenn L.A.**, Phillips, C. (2020, Dec). *Thermoregulation*. Newborn Staff Education-STRHS Staff Meeting, Winchester, TN.
- Phillips, C., **Cates-McGlenn L.A.** (2020, Dec). *Newborn Screening Testing*. Newborn Staff Education-STRHS Staff Meeting, Winchester, TN.
- Cates-McGlenn L.A.**, Phillips, C. (2021, Jan). *Newborn Glucose Screening & Guidelines*. Newborn Staff Education-STRHS Staff Meeting, Winchester, TN.
- Crow, H., **Cates-McGlenn L.A.**, (2021, Feb). *Neonatal abstinence scoring*. Newborn Staff Education-STRHS Staff Meeting, Winchester, TN.

## **Texas Children's Hospital:**

- Cates L.A.** (2007, April). *Supraventricular Tachycardia Recognition and Treatment in Infants and Children*. Texas Children's Hospital Transport Safety Day, Houston, TX.
- Cates L.A.** (2007, May). *Airway*. Texas Children's Hospital STABLE Program, Houston, TX.
- Cates L.A.** (2007, May). *Emotional Support*. Texas Children's Hospital STABLE Program, Houston, TX.
- Cates L.A.** (2007, July). *Fluid and Electrolytes*. Texas Children's Hospital New Graduate NICU Staff Nurse Training, Houston, TX.
- Cates L.A.** (2007, October). *Root Cause Analysis Training*. Texas Children's Hospital Department of Neonatology Section Meeting. Houston, TX.
- Cates L.A.** (2008, April). *Supraventricular Tachycardia Recognition and Treatment in Infants and Children*. Texas Children's Hospital Transport Safety Day, Houston, TX.
- Cates L.A.** (2008, July). *Pigtail Catheter Placement*, Texas Children's Hospital NICU Summer School, Houston TX.
- Cates L.A.** (2008, July). *Use of Pneumostat Chest Drain Valve on Neonatal Transport*, Texas Children's Hospital NICU Summer School, Houston TX.
- Cates L.A.** (2008, October). *Use of the Heat Moisture Exchanger (HME) in Neonates*. Texas Children's Hospital NNP Service Meeting, Houston TX.
- Cates L.A.** (2009, July). *Pigtail Catheter Placement*, Texas Children's Hospital NICU Summer School, Houston, TX.
- Cates L.A.** (2009, August). *NNP Documentation Committee: Change is Coming*. Texas Children's Hospital NNP Service Meeting, Houston TX.
- Cates L.A.** (July 2010). *Pigtail Catheter Placement*. Texas Children's Hospital- Neo Fellows Summer School, Houston , TX.
- Cates L.A.** (April, August & 2010). *Texas Children's Hospital NNP Clinical Skills and Simulation Course*. Texas Children's Hospital Simulation Center - NNP Service, Houston, TX
- Cates L.A.** (2010, August). *NNP Transport Orientation*. Texas Children's Hospital Newborn Center – NNP Service, Houston, TX
- Cates L.A.** (Jan., & Feb. 2011). *Texas Children's Hospital NNP Clinical Skills and Simulation Course*. Texas Children's Hospital Simulation Center - NNP Service, Houston, TX
- Cates L.A.** (2012, June) *Hyperbilirubinemia EBP guideline & orderset summary*, Magnet Site Visit-Texas Children's Hospital, Houston, TX.



- Cates L.A.** (April, May, August and September 2011). *Texas Children's Hospital NNP Competencies and Simulation Course*. Texas Children's Hospital Simulation Center – NNP Service, Houston, TX
- Cates L.A.** (2013, June). *Infant Resuscitation*. Texas Children's Hospital Neonatal Fellows Boot Camp, Houston, TX.
- Cates L.A.** (2014, July). *Infant Resuscitation*. Texas Children's Hospital Neonatal Fellows Boot Camp, Houston, TX.
- Cates L.A.** (2015, July). *Infant Resuscitation*. Texas Children's Hospital Neonatal Fellows Boot Camp, Houston, TX.
- Cates L.A.** (2015, November & December). *TCH NNP competencies and simulation course: Module 1 procedures*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015, November & December). *TCH NNP competencies and simulation course: Module 2 pearls of resuscitation*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015, November & December). *TCH NNP competencies and simulation course: Module 3 simulation*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015-16). *TCH NNP competencies and simulation course: Module 1 Procedures*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015-16). *TCH NNP competencies and simulation course: Module 2 Pearls for resuscitation*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015-16). *TCH NNP competencies and simulation course: Module 3 Introduction to Simulation*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A.** (2015-16). *TCH NNP competencies and simulation course: Module 4 Crisis resource management*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (0-5 years' experience), Houston, TX.
- Cates L.A., Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L.** (2015-16). *TCH NeoCISP Pre-course: Module 1- Crisis resource management*. Texas Children's Hospital Newborn Center- Houston, TX.
- Cates L.A., Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L.** (2015-16). *TCH NeoCISP Pre-course: Module 2- Role clarity*. Texas Children's Hospital Newborn Center- Houston, TX.

- Cates L.A.**, Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L. (2015-16). *TCH NeoCISP Pre-course: Module 3- Introduction to simulation*. Texas Children's Hospital Newborn Center- Houston, TX.
- Cates L.A.**, Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L. (2015-16). *TCH NeoCISP Pre-course: Module 3- Orientation to in-situ simulation*. Texas Children's Hospital Newborn Center- Houston, TX.
- Cates L.A.** (2016, January). *NICE Conference Experience*. Baylor College of Medicine Neonatology Faculty Section Meeting, Houston TX.
- Cates L.A.** (2016). *TCH NNP competencies and simulation course: Pre-course overview*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (6-14 years' experience), Houston, TX.
- Cates L.A.** (2016). *TCH NNP competencies and simulation course: Pre-course overview*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course (15+ years' experience), Houston, TX.
- Cates L.A.** (2016, July). *Infant Resuscitation*. Texas Children's Hospital Neonatal Fellows Boot Camp, Houston, TX.
- Cates L.A.** (2017). *TCH NNP competencies and simulation course: Introduction to Simulation*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.** (2017). *TCH NNP competencies and simulation course: Pearls for the management of pulseless electrical activity*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.** (2017). *TCH NNP competencies and simulation course: Pearls for the management of congenital diaphragmatic hernia at delivery*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.** (2017). *TCH NNP competencies and simulation course: Pearls for the management of tracheostomy emergencies in the NICU*. Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.** (2017, July). *Infant Resuscitation*. Texas Children's Hospital Neonatal Fellows Boot Camp, Houston, TX.
- Houston Methodist Hospital**
- Cates, L.A.** (2014, February, April, May) Common neonatal respiratory problems. Houston Methodist Hospital, Neonatal Nursery In-service. Houston, TX.
- Cates, L.A.** (2014, November) Introduction to Simulation. Texas Children's Hospital /Houston Methodist Hospital Simulation and Competencies Course. Houston, TX.

**Cates, L.A.** (2014, November) Neonatal equipment & supplies. Texas Children's Hospital /Houston Methodist Hospital Simulation and Competencies Course. Houston, TX.

### **UTMB Interprofessional Simulation Center Faculty Simulation Academy- Coordinator-2013**

**Cates L.A.** (2013, August) *Simulation as a Pedagogy*. University of Texas Medical Branch Interprofessional Simulation Center Faculty Simulation Academy, Galveston, TX.

**Cates L.A.** (2013, August) *Simulation Scenario Design and Implementation*. University of Texas Medical Branch Interprofessional Simulation Center Faculty Simulation Academy, Galveston, TX.

**Cates L.A.** (2013, August) *Conducting Effective Debriefings*. University of Texas Medical Branch Interprofessional Simulation Center Faculty Simulation Academy, Galveston, TX.

### **Non-Didactic course work**

#### **McGlenn Institute- Neonatal – Houston, TX**

Coordinated and was lead faculty utilizing fetal pigs and high-fidelity mannequins:

- Endotracheal intubation
- Umbilical line placement
- Chest needle thoracentesis
- Pigtail catheter placement
- Traditional chest tube placement
- Interosseous Placement
- PICC Line placement
- Arterial line placement
- Lumbar puncture
- Use of defibrillator

#### **Old Dominion University (ODU)- Virginia Beach, VA 2018**

Coordinated and was lead faculty utilizing fetal pigs:

- Endotracheal intubation
- Umbilical line placement
- Chest needle thoracentesis
- Pigtail catheter placement
- Traditional chest tube placement
- Interosseous Placement

#### **Texas Children's Hospital (TCH) - Houston, TX 2007-2017- Neonatal Fellows Procedure Lab**

Coordinated and was lead faculty utilizing fetal pigs:

- Endotracheal intubation
- Umbilical line placement
- Chest needle thoracentesis
- Pigtail catheter placement

- Traditional chest tube placement

### **Simulation Based Courses**

#### **2021-present Custom simulation-based training courses and NRP**

**June 2019- Atrium Healthcare- Resident NRP course**

**September 2018- Old Dominion University (ODU) NNP Program**

**Fall Simulation & Training Seminar**

**Coordinator/Course Designer/Faculty-**

**Cates-McGlenn L.A.** (2018, September). *Delivery of term neonate with prolapsed cord (moderate severity) simulation scenario and performance checklist.* Old Dominion University-NNP Program Simulation & Training Seminar.

**Cates-McGlenn L.A.** (2018, September). *NICU ELBW with NEC & Septic Shock simulation scenario and performance checklist.* Old Dominion University-NNP Program Simulation & Training Seminar.

**Cates-McGlenn L.A.** (2018, September). *Prenatal consult late preterm, IUGR, with sacrococcygeal teratoma simulation scenario and performance checklist.* Old Dominion University-NNP Program Simulation & Training Seminar.

**Cates-McGlenn L.A.** (2018, September). *ER Congenital heart disease with cardiogenic shock (moderate severity) simulation scenario and performance checklist.* Old Dominion University-NNP Program Simulation & Training Seminar.

**Cates-McGlenn L.A.** (2018, September). *Admission orders ELBW with hypoglycemia.* Old Dominion University-NNP Program Simulation & Training Seminar.

#### **May 2018- ECU NNP Program Intensive Simulation Coordinator/Course Designer/Faculty-**

**Cates-McGlenn L.A.** (2018, May). *Delivery of late preterm neonate simulation scenario and performance checklist.* East Carolina University-NNP Program Summer Intensive, Raleigh, NC.

**Cates-McGlenn L.A.** (2018, May). *Precipitous Term Delivery Simulation scenario and performance checklist.* East Carolina University-NNP Program Summer Intensive, Raleigh, NC.

#### **2009-2017 TCH- Hospital Wide Neonatal resuscitation program (NRP)**

**Co-Course Coordinator 2016-17**

Taught all skills stations

- Warm dry stimulation and suction
- Use of BVM & CPR
- Emergent umbilical line placement & medication delivery
- Endotracheal intubation

Scenario director and lead debriefer for all course simulation scenarios (NRP scenarios).

- Poor initial transition in DR

- Meconium –Non-Vigorous
- Abrupton- Mega Code

### **2012-2017 TCH- Lead Faculty –Neonatal Fellows Boot Camp**

Hands on instruction:

- Use of defibrillator for cardioversion, defibrillation, and pacing
- IO insertion

**Cates L.A.,** Arnold J. (2012-2017, July). *Pulseless electrical activity (PEA) simulation scenario and performance checklist.* Texas Children’s Hospital Neonatal Fellows Boot Camp - Houston, TX.

**Cates L.A.,** Arnold J. (2012-2017, July). *Supraventricular Tachycardia (SVT) simulation scenario and performance checklist.* Texas Children’s Hospital Neonatal Fellows Boot Camp - Houston, TX.

**Cates L.A.,** Arnold J. (2012- 2017, July). *Hyperkalemia with rhythm disturbances simulation scenario and performance checklist.* Texas Children’s Hospital Neonatal Fellows Boot Camp - Houston, TX.

### **2009-2017 TCH-Course Director- NNP Competencies and Simulation Course**

- Designed entire course
  - Agenda
  - Participants
    - NNPs
  - Faculty
  - Confederates
    - TCH NICU bedside nurses
    - (2016) TWU BSN Nursing Students
    - (2016) UTMB RT Students
  - Supplies
  - Course dates (monthly)
  - Pre-course lectures
  - Scenarios/performance checklists

Coordinated and was lead faculty utilizing fetal pigs:

- Endotracheal intubation
- Umbilical line placement
- Chest needle thoracentesis
- Pigtail catheter placement
- (2016) Traditional chest tube placement >5 yrs
- (2016) Abdominal Paracentesis 15 + yrs
- (2016) Peripheral Arterial Line 15 + yrs

Hands on instruction:

- Use of defibrillator for cardioversion, defibrillation, and pacing
- IO insertion
- LMA placement
- Intubation of older infant
- (2016) Neonatal Exchange Transfusion

- Cates L.A.,** Anselmo, C. Wilson, D. (2010- 2011 Monthly). *Supraventricular Tachycardia (SVT) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2010- 2011 Monthly). *Pneumothorax simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2010- 2011 Monthly). *DIC & septic shock simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2011- 2012 Monthly). *Congenital diaphragmatic hernia (CDH) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2011- 2012 Monthly). *Hyperkalemia with rhythm disturbances simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2012- 2013 Monthly). *Hypoxic ischemic encephalopathy (HIE) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2012- 2013 Monthly). *Twin to twin transfusion-donor simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2012- 2013 Monthly). *Twin to twin transfusion-recipient simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2012- 2013 Monthly). *Pulseless electrical activity (PEA) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2013 Monthly). *Bleeding sacrococcygeal teratoma (too unstable to transport) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** Anselmo, C. Wilson, D. (2013 Monthly). *Delivery neonatal hydrops simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course - Houston, TX.
- Cates L.A.,** (2015-16). *Supraventricular Tachycardia (SVT) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 0-5 yrs. experience - Houston, TX.
- Cates L.A.,** (2015-16). *Pneumothorax simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 0-5 yrs. experience - Houston, TX.

- Cates L.A.,** Anselmo, C. (2016). *Hypoxic ischemic encephalopathy (HIE) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 6-14yrs. experience - Houston, TX.
- Cates L.A.,** (2016). *Extremely Low Birthweight and NEC transport simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 6-14yrs. experience - Houston, TX.
- Cates L.A.,** (2016). *Delivery neonatal hydrops simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 15 + yrs experience- Houston, TX.
- Cates L.A.,** (2016). *Bleeding sacrococcygeal teratoma (too unstable to transport) simulation scenario and performance checklist.* Texas Children's Hospital NNP Competencies and Simulation Course 15 + yrs experience- Houston, TX.
- Cates L.A.** (2017). *Pulseless electrical activity on transport due to nonaccidental trauma simulation scenario and performance checklist.* Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.** (2017). *Congenital diaphragmatic hernia at delivery simulation scenario and performance checklist.* Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.
- Cates L.A.,** Arnold, J.A. (2017). *Tracheostomy dislodgment simulation scenario and performance checklist.* Texas Children's Hospital Neonatal Nurse Practitioner's Annual Competencies Course, Houston, TX.

#### **2014 TCH/HMH Community NICU Simulation and Competencies Course**

- Created exemplar video for demonstration of the activation of TCH Methodist Neo Response Team- see media section
- Designed entire course
  - Agenda
  - Participants
    - HMH RT
    - HMH RNs
      - Neonatal
      - L & D
  - Faculty
  - Confederates
  - Supplies
  - Course dates (3)
  - Pre-course lectures
  - Scenarios/performance checklists

- Cates L.A.,** Arnold J. (2012, July). *MNRT Activation: green simulation scenario and performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Simulation and Competencies Course. Houston, TX.

**Cates L.A.,** Arnold J. (2012, July). *MNRT Activation: yellow simulation scenario and performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Simulation and Competencies Course. Houston, TX.

**Cates L.A.,** Arnold J. (2012, July). *MNRT Activation: red simulation scenario and performance checklist.* Texas Children's /Houston Methodist Hospital Simulation and Competencies Course. Houston, TX.

### **2014- TCH/HMH Neonatal Systems Testing Simulations**

#### Simulations conducted for the purpose of testing the system

- Scenario logistics
- HMH Participant's name and arrival time
- TCH Participant's name and arrival time
- Proper communication
- Role clarity
- Follow-up
- Pager information
- Potential and actual threats to patient safety
- Other important info gleaned from simulation

**Cates, L.A.** (2014, October) *Term infant with poor respiratory effort MNRT-green scenario and systems performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Neonatal Systems Testing. Houston, TX.

**Cates, L.A.** (2014, October) *Term infant with maternal chorio MNRT-yellow scenario and systems performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Neonatal Systems Testing. Houston, TX.

**Cates, L.A.** (2014, October) *Late pre-term- Cord prolapse C/S MNRT-red scenario and systems performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Neonatal Systems Testing. Houston, TX.

**Cates, L.A.** (2014, October) *Thick meconium MNRT-red scenario and systems performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Neonatal Systems Testing. Houston, TX.

**Cates, L.A.** (2014, October) *Extreme pre-term- undelivered with meconium MNRT-yellow scenario and systems performance checklist.* Texas Children's Hospital /Houston Methodist Hospital Neonatal Systems Testing. Houston, TX.

### **2015-2017 & 2021-present TCH Newborn Center In-situ Simulation Program**

**Cates L.A.,** Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L. (2016, weekly). *TCH NeoCISP Unplanned Extubation.* Texas Children's Hospital Newborn Center- Houston, TX.

**Cates L.A.,** Sundgren N., Khattab M., Arnold J., Kainer K., Chancey L. (2016, weekly). *TCH NeoCISP DIC Septic Shock.* Texas Children's Hospital Newborn Center- Houston, TX.



## 2010-2015 UTMB NNP Program Simulation Coordinator/Course Designer/Faculty-

Coordinated procedure lab and was lead faculty utilizing fetal pigs to teach:

- Endotracheal intubation
- Umbilical line placement
- Chest needle thoracentesis
- Pigtail catheter placement
- Traditional chest tube placement
- Bladder taps
- Lumbar puncture

Hands on instruction:

- Use of defibrillator for cardioversion, defibrillation, and pacing
- IO insertion
- LMA placement
- Intubation of older infant

### GNRS 5303 Neonatal Advanced Health Assessment

**Cates L.A.** (2011, July). *Delivery of late preterm neonate simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Parental update hyperbilirubinemia and need for phototherapy simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Delivery myelomeningocele & cleft lip with mild respiratory distress simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Hypoglycemia with mild respiratory distress simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Bleeding circumcision simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Newborn with TTN & respiratory distress simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2011, July). *Newborn admission with + HepB and maternal GBS untreated simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

**Cates L.A.** (2012, July). *Newborn admission orders for neonate with maternal and infant + DAT and no prenatal care simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

## GNRS 5631 NNP Practicum I

- Cates L.A.** (2011, July). *Delivery of preterm neonate with RDS simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Delivery gastroschisis simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Parental update mother and infant + UDS- Cocaine simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2012, July). *Congenital heart disease and cardiogenic shock simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Delivery with thick meconium-non-vigorous simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2012, July). *Premature ventricular contractions with PICC migration simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Spontaneous pneumothorax in NBN simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2012, July). *Newborn admission orders for late-preterm delivery with TTN from delivery summary simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

## GNRS 5632 NNP Practicum II

- Cates L.A.** (2010, July). *Delivery with Abruptio simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Supraventricular Tachycardia (SVT) simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Pneumothorax on NCPAP simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *RSV pneumonia in ER simulation scenario and performance checklist.* University of Texas Medical Branch- NNP Program, Galveston, TX.

- Cates L.A.** (2011, July). *Necrotizing enterocolitis (NEC) ad septic shock simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Hypocalcemic seizures simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Parental consult late preterm with sacrococcygeal teratoma simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2012, July). *Newborn admission orders for delivery after abruption from delivery summary simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- GNRS 5633/5434 NNP Practicum III/IV
- Cates L.A.** (2011, July). *Pulseless electrical activity (PEA) simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Hyperkalemia with rhythm disturbances simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Delivery congenital diaphragmatic hernia simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *DIC/Septic shock simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Pneumothorax on Ventilator simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Hypoxic ischemic encephalopathy with complications simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2011, July). *Unsuccessful CODE in Mothers room –delivery of Bad News simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.
- Cates L.A.** (2012, July). *Newborn admission orders for delivery 24 week male infant from delivery summary simulation scenario and performance checklist*. University of Texas Medical Branch- NNP Program, Galveston, TX.

## Invited Workshops

Arnold, J., **Cates L.A.**, Wilson, D. (June 2009 & 2010) Neonatal simulation workshop. Texas Association of Neonatal Nurse Practitioners (TxANNP) 5<sup>th</sup> & 6<sup>th</sup> Annual Conference

Arnold, J., **Cates L.A.**, Wilson, D. (July 2010) Neonatal transport simulation workshop. Airborne International Transport Annual Neonatal & Pediatric Transport Conference, Austin, TX.

**Cates L.A.** (2010, October) *High Fidelity Simulation Workshop*. Florida Association of Neonatal Nurse Practitioners 21<sup>st</sup> Annual Symposium, Clearwater Beach FL.

Arnold, J., Cashin M., **Cates L.A.**, Wilson, D. Anselmo C., Cross, B. (2012, January) Neonatal *Resuscitation Immersive Workshop*. 12th International Meeting on Simulation in Healthcare, San Diego, CA.

**Cates L.A.** (2012, November) *The Implementation of Simulation into the Annual Performance/Competency Evaluations of Neonatal Healthcare Providers*, Changing Seasons in Neonatology 15<sup>th</sup> Annual Conference for Neonatal Healthcare Providers, Oklahoma City, OK.

**Cates L.A.** (2012, November) *Multidisciplinary Neonatal Simulation Workshops*, Changing Seasons in Neonatology 15<sup>th</sup> Annual Conference for Neonatal Healthcare Providers, Oklahoma City, OK.

**Cates L.A.** (2013, January). *Developing a Simulation-based Competency Course*. 13th International Meeting on Simulation in Healthcare, San Diego, CA.

**Cates L.A.** (2013, April) *Neonatal Simulation Workshops- Lights! Camera! Action!*, Beach Babies Conference, Galveston, TX.

**Cates, L.A.** (2015 October). Workshop on the insertion of *Peripherally inserted central catheters in the NICU*. 5<sup>th</sup> International Conference NICE Hospital, Hyderabad, India.

## Lectures

### International Presentations

**Cates L.A.** (2009, November). *Basics of Developmental Care in the NICU*. TCH WHO-CC Delegate to Queen Elizabeth Hospital Bridgetown, Barbados.

**Cates L.A.** (2009, November). *Breaking the Chain of Infection*. TCH WHO-CC Delegate to Queen Elizabeth Hospital Bridgetown, Barbados.

**Cates L.A.** (2009, November). *Decompensation of the NICU Patient: When to React*. TCH WHO-CC Delegate to Queen Elizabeth Hospital Bridgetown, Barbados.

**Cates L.A.** (2009, November). *Stabilization of the ELBW Infant at Delivery*. TCH WHO-CC Delegate to Queen Elizabeth Hospital Bridgetown, Barbados.

**Cates, L.A.** (2009, November). *Panel member-Nursing presence in the NICU*. TCH WHO-CC Delegate to Queen Elizabeth Hospital Bridgetown, Barbados.

**Cates, L.A.** (2015 October). *Peripherally inserted central catheters in the NICU*. 5<sup>th</sup> International Conference NICE Hospital, Hyderabad, India.

**Cates, L.A.** (2015 October). *Limiting postnatal hypoxic injury in the delivery room*. 5<sup>th</sup> International Conference NICE Hospital, Hyderabad, India.

**Cates, L.A.** (2015 October). Panel member-Nutritional management of hospitalized neonate and child. 5<sup>th</sup> International Conference NICE Hospital, Hyderabad, India.

**Cates, L.A.** (2015 October). Panel member-Healthcare associated infections. 5<sup>th</sup> International Conference NICE Hospital, Hyderabad, India.

Khattab, M., Sundren, N. **Cates, L.A.**, Kainer, K., McMullen, L., Hagan, J. Arnold, J. (2016). *Use Of a defined role/responsibility chart and a color-coded floor code map as an innovative tool to improve role clarity during in situ simulations*. The 8<sup>th</sup> International Pediatric Simulation Symposia & Workshop. Glasgow Scotland, UK.

**Cates-McGlenn L.A.** (2019, June). *Neonatal arrhythmias interpretation & treatment*. Gold Neonatal Learning, Online Conference.

### **National Presentations**

**Cates L.A.** (2009, October). *Simulation Based Training the Wave of the Future*. Florida Association of Neonatal Nurse Practitioners 20<sup>th</sup> Annual Symposium, Clearwater Beach FL.

**Cates L.A.** (2009, October). *Mentoring the X & Y generation in the NNP workforce*. Florida Association of Neonatal Nurse Practitioners 20<sup>th</sup> Annual Symposium, Clearwater Beach, FL.

**Cates L.A.** (2011, October) *The Implementation of Simulation into the Annual Performance/Competency Evaluations of NNPs in the Hospital Setting*. Florida Association of Neonatal Nurse Practitioners 22<sup>nd</sup> Annual Symposium, Clearwater Beach FL.

**Cates L.A.** (2011, October) *Creation and Utilization of an Electronic Portfolio*. Florida Association of Neonatal Nurse Practitioners 22<sup>nd</sup> Annual Symposium, Clearwater Beach FL.

**Cates L.A.** (2012, January). *The Implementation of Simulation into the Annual Performance/Competency Evaluations of Healthcare Providers in the Hospital Setting*. 12<sup>th</sup> International Meeting on Simulation in Healthcare, San Diego, CA.

**Cates, L.A.** (2014, June). *Constructing the Cornerstones for C.A.T.E.S.* 13<sup>th</sup> Annual International Nursing Association for Clinical Simulation and Learning. Orlando, Florida.

**Cates, L.A.** (2015 January). *Constructing the Cornerstones for C.A.T.E.S.* 15th International Meeting on Simulation in Healthcare, New Orleans, LA.

### **Regional Presentations**

**Cates L.A.** (2007, March). *Volume Ventilation in the NICU.* Texas Association of Neonatal Nurse Practitioners, Galveston, TX.

**Cates L.A.** (2011, April). *Neonatal Diagnostic Imaging interpretation "X-ray Eyes".* Beach Babies Conference, Galveston, TX.

**Cates L.A.** (2012, April) *Simulation the Future is Now,* Beach Babies Conference, Galveston, TX.

**Cates L.A.** (2012, September) *The Implementation of Simulation into the Annual Performance/Competency Evaluations of Advanced Practice Nurses,* Texas Nurse Practitioners 24<sup>th</sup> Annual Conference, Austin, TX.

**Cates, L.A.** (2015 May). *Scenario Design and Implementation.* Keynote Speaker Lamar University Simulation Conference, Beaumont, Texas.

**Cates, L.A.** (2015 May). *Ensuring your Learners are Ready for Simulation.* Keynote Speaker Lamar University Simulation Conference, Beaumont, Texas.

**Cates, L.A.** (2015 May). *Effective Debriefing.* Keynote Speaker Lamar University Simulation Conference, Beaumont, Texas.

**Cates, L.A.** (2015 May) *Instrument Development and Options.* Keynote Speaker Lamar University Simulation Conference, Beaumont, Texas

**Cates-McGlenn L.A.** (2018, March). *Neonatal arrhythmias interpretation & treatment.* Carolina's Association of Neonatal Nurse Practitioners (CANNP) Symposium. Durham, NC.

**Cates-McGlenn L.A.** (2019, March). *Arterial Blood Gas Interpretation.* Tidewater Association of Neonatal Nurses - TANN, Norfolk, VA.

**Cates-McGlenn L.A.** (2021, March). *Interpretation of neonatal diagnostic imaging.* Carolina's Association of Neonatal Nurse Practitioners (CANNP) Symposium. Online-  
<https://meet685335284.adobeconnect.com/p34wyk4nj19t/>

### **Local**

**Cates L.A.** (2007, January). *Volume Ventilation in the NICU.* Houston Area Association of Neonatal Nurses, Houston TX.

**Cates L.A.** (2010, August). *Arterial Blood Gas Interpretation.* Houston Area Association of Neonatal Nurses - HAANN, Houston, TX

**Cates L.A.** (2011, October) *The Transformation of the Neonatal Resuscitation Program.* Baylor Perinatal & Neonatal Symposium. Houston, TX.

- Cates L.A.** (2012, February). *Arterial Blood Gas Interpretation*. Kaleidoscope, Houston, TX
- Cates L.A.** (2012, June) *Simulation and NRP: A New Paradigm*, AWOHNN Houston, TX.
- Cates L.A.** (2013, January). *Developing a Simulation-based Competency Course*. Texas Children's Hospital Simulation center PRESS Series, Houston, TX.
- Cates L.A.** (2013, April) *Promote Yourself: Developing an Electronic Portfolio*. Texas Children's Hospital Department of Neonatology Noon Conference Houston, TX.
- Cates, L.A.** (2015 February). *Exploration of Common Neonatal Respiratory Diseases*. Kaleidoscope Conference, Galveston Texas.
- Cates, L.A.** (2015 October). *Current techniques in non-invasive ventilation for neonates*. Baylor College of Medicine Perinatal Outreach Program 39th Annual Nursing Symposium, Houston, TX.
- Cates, L.A.** (2016 January). *Post Hemorrhagic Hydrocephalus: Treat or Not?*. Texas Association of Neonatal Nurse Practitioners 12<sup>th</sup> Annual Conference, Houston, TX.
- Cates L.A.** (2016, October). *Neonatal Arrhythmia Interpretation & Treatment*. Texas Woman's University – Student Nurses Association. Houston, TX.
- Cates L.A.** (2016, October) *Hypoxic Ischemic Encephalopathy in the Neonate*. Baylor Perinatal & Neonatal Symposium. Houston, TX.
- Cates L.A.** (2016, October) *Creation of an Electronic Portfolio*. Baylor Perinatal & Neonatal Symposium. Houston, TX.
- Cates L.A.** (2016, November). *Neonatal Arrhythmia Interpretation & Treatment*. The Woman's Hospital of Texas Pediatric Emergency & Critical Care Conference. Houston, TX.
- Cates, L.A.** (2017 February). *Total body cooling & hypoxic ischemic encephalopathy in the neonate*. Kaleidoscope Conference, Galveston Texas.

## Poster Presentations

### National

- Cates, L.A.** (2015 May). *Constructing the Cornerstones for C.A.T.E.S.* (Poster) Neonatal Advanced Practice Nursing Forum, Washington, DC
- Dukes, N., **Cates, L.A.**, Puls, S.E. (2015 October). An Innovative Educational Endeavor: Enhancing Skills of a Delivery Room Response Team (Poster). ANCC National Magnet Conference, Atlanta GA.
- Khatab, M., Sundren, N. **Cates, L.A.**, Kainer, K., McMullen, L., Hagan, J. Arnold, J. (2016). *Use Of a defined role/responsibility chart and a color-coded floor code map as an innovative tool to improve role clarity during in situ simulations*. (Poster) Pediatric Academic Society Conference. Baltimore, MD.

Nastars D., Schultz, R., Burns, L., Rangel, A. **Cates, L.A.**, (2016). *An innovative use of respiratory students to gain experience in high stakes neonatal simulations.* (Poster) American Association of Respiratory Care Open Forum Congress. San Antonio, TX.

Sundgren, N., **Cates, L.A.** (2017) *Creating Gold Standard Videos to Teach NRP Skills Stations* (Poster) International Pediatric Simulation Society Conference. Boston, MA.

Khatab, M., Warwick, B., Kainer, K., Cashin, M., McMullen, L., **Cates, L.A.**, Sundgren, N., Doughty, C., Arnold, J. (2017) *Optimizing the Operational Process During In-situ Simulation Using A Web Based Automated Data Entry System.* (Poster) International Pediatric Simulation Society Conference. Boston, MA.

### Regional

**Cates, L.A.** (2014, June). *Constructing the Cornerstones for C.A.T.E.S.* (Poster) Sigma Theta Tau International Research Day: Advancing Clinical Practice. Galveston, Texas.

**Cates, L.A.**, Armentrout D.A. (2014, August) *Simulation with Synergy and Community Energy* (Poster). Interprofessional Day. University of Texas Medical Branch, Galveston, Texas.

### Local

**Cates, L.A.** (2014, November). *Constructing the Cornerstones for C.A.T.E.S.* (Poster) Advanced Practice Providers Research day, Texas Children's Hospital, Houston, Texas.

**Cates, L.A.**, Armentrout D.A. (2014, November) *Simulation with Synergy and Community Energy* (Poster). Advanced Practice Providers Research day, Texas Children's Hospital, Houston, Texas.

Khatab, M., Sundren, N. **Cates, L.A.**, Kainer, K., McMullen, L., Hagan, J. Arnold, J. (2016). *Use Of a defined role/responsibility chart and a color-coded floor code map as an innovative tool to improve role clarity during in situ simulations.* (Poster) Baylor College of Medicine Quality & Patient Safety Conference. Houston, Texas.

Khatab, M., Sundren, N. **Cates, L.A.**, Kainer, K., McMullen, L., Hagan, J. Arnold, J. (2016). *Use Of a defined role/responsibility chart and a color-coded floor code map as an innovative tool to improve role clarity during in situ simulations.* (Poster) Texas Children's Hospital Nursing Professional Day Conference. Houston, TX.

**Cates, L.A.**, Schultz, R., Nastars D., Burns, L., Rangel, A. (2016). *A Novel Utilization of Undergraduate Students to Assess Competency of Advanced Practice Nurses.* (Poster) Texas Children's Hospital Nursing Professional Day Conference. Houston, TX.

## IV. Medical & Service Information

### CLINICAL (NON-ACADEMIC) POSITIONS:

08/14/2023-present      Board Certified Neonatal Nurse Practitioner  
Flagstaff Medical Center Flagstaff, AZ



Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated  
Diagnose and treat patients in conjunction with attending MD  
Order and interpret routine diagnostic studies  
Prescribe medications under section 3.06 (d)(6) of the Medical Practice Act Follow established delegation protocol for the specialty area  
Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals Counsel and instruct patients, families, and others as appropriate  
Lead member of neonatal transport and labor and delivery teams. Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, RETCAM exams and exchange transfusions. Design and coordinate neonatal simulation and community education courses.

11/04/2022- 07/24/2023 **Providing care for my bedridden mother- Odessa, TX**

06/14/2021-11/03/2022 Board Certified Neonatal Nurse Practitioner  
Texas Children's Hospital Houston, TX

Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated  
Diagnose and treat patients in conjunction with attending MD  
Order and interpret routine diagnostic studies  
Prescribe medications under section 3.06 (d)(6) of the Medical Practice Act Follow established delegation protocol for the specialty area  
Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals Counsel and instruct patients, families, and others as appropriate  
Lead member of neonatal transport and labor and delivery teams. Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, and exchange transfusions. Design and coordinate neonatal simulation and community education courses. Trained in point of care ultrasound (POCUS).

10/16/2020-03/25/2021

Board Certified Neonatal Nurse Practitioner  
Children Hospital at Erlanger- Chattanooga, TN  
Southern Tennessee Regional Health System-Winchester,  
TN

Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated in both the level III NICU and newborn nurseries.

Diagnose and treat patients

Order and interpret routine diagnostic studies

Prescribe medications under the Medical Practice Act

Follow established delegation protocol for the specialty area

Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals.

Counsel and instruct patients, families, and others as appropriate

Lead member of the labor and delivery teams.

Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, and exchange transfusions.

10/15/2018-10/15/20

Board Certified Neonatal Nurse Practitioner

Atrium Healthcare

Northeast-Jeff Gordon's Children's Hospital-Concord, NC

Atrium Health University Hospital-Charlotte, NC

Levine Children's Hospital-Charlotte, NC

Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated in both the level III NICU and newborn nurseries.

Diagnose and treat patients

Order and interpret routine diagnostic studies

Prescribe medications under the Medical Practice Act

Follow established delegation protocol for the specialty area

Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals.

Counsel and instruct patients, families, and others as appropriate

Lead member of the labor and delivery teams.

Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, and exchange transfusions.

03/20/20-06/20/2020 Board Certified Neonatal Nurse Practitioner

Kaiser Moanalua Medical Center-Honolulu, HI

Travel Assignment

Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated in both the level III NICU and newborn nurseries.

Diagnose and treat patients

Order and interpret routine diagnostic studies

Prescribe medications under the Medical Practice Act

Follow established delegation protocol for the specialty area

Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals.

Counsel and instruct patients, families, and others as appropriate

Lead member of the labor and delivery teams.

Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, and exchange transfusions.

08/01/2017-10/15/2018 **Looking for clinical employment as NNP in Charlotte, NC area after moving to remarry- worked academically at ECU and ODU during this time as well.**

04/25/06-07/31/2017 Board Certified Neonatal Nurse Practitioner  
Texas Children's Hospital Houston, TX

Responsibilities:

Perform health assessments including history, physical exam, and specific neonatal assessments as indicated

Diagnose and treat patients in conjunction with attending MD

Order and interpret routine diagnostic studies

Prescribe medications under section 3.06 (d)(6) of the Medical Practice Act

Follow established delegation protocol for the specialty area

Initiate referrals to other specialties as indicated. Serve as an educational resource for the patient, family, and community, and other healthcare professionals

Counsel and instruct patients, families, and others as appropriate

Lead member of neonatal transport and labor and delivery teams. Perform special procedures including: endotracheal intubations, UAC/UVC placement, lumbar puncture, supra pubic bladder taps, chest needle aspiration, chest tube & pigtail catheter insertion, PICC line placement, arterial puncture, cardioversion, and exchange transfusions. Design and coordinate neonatal simulation and community education courses.

12/02-12/09 Staff nurse/Respiratory therapist/Co-Founder/Co-Owner  
Above All Medical Staffing Odessa, TX

Last staffing assignment 12/04

Responsibilities:

Family owned business- staff nurses and respiratory therapists in hospitals around the Permian Basin –Continue to consult regularly concerning Nursing and Respiratory needs Staff Nurse/ charge nurse, working primarily in a 24 bed level III NICU (Odessa Regional Hospital)  
Transport and high risk deliveries  
Intubation, chest needle decompression, arterial puncture, line placement  
managed multiple drips and ventilated patients  
PICC line placement

10/02 – 12/02 Registered Nurse  
Health Care Staffing Midland, TX

Responsibilities:

Staff Nurse/Agency 20 bed telemetry unit (Memorial Hospital and Medical Center– Midland, TX)  
Cared for adult patients recovering from cardiac conditions

1/02 - 10/02 FT Registered Nurse  
5/04-12/05-PRN Heart Place Hospital Midland, TX

Responsibilities:

Staff Nurse- Telemetry, ICU, ER  
Charge Nurse- Adult ICU  
House Supervisor  
Cared for critically ill patients in the newly opened 16 bed hospital primarily in the adult ICU  
Emphasis on cardiac patients including fresh open-heart patients  
Duties included patient monitoring with cardio-respiratory monitors, SVO2 monitors, and Swan-Ganz measurements, and lab work  
Managed multiple vasoactive drips  
Intubation and management of cardio-respiratory arrests

11/01-01/02 **Maternity Leave**

7/00 – 10/01 Registered Nurse  
Professional Independent Nursing Service Hobbs, NM

Responsibilities:

Staff Nurse/Agency- 24 bed Adult ICU/CCU (Memorial Hospital Medical Center- Midland, TX)  
Cared for critically ill adults and children including trauma, acute MI, post cardiac cath, renal failure, and hepatic encephalopathy

4/00-7/00

**Maternity Leave**

7/99 – 3/00

Registered Nurse  
Infusion Plus Home Health Midland, TX Responsibilities:

Home health RN case manager  
Supervised, managed, and delivered home care of chronically ill children and adults in the Permian Basin  
Helped company prepare for and pass JACHO inspection with exemplary marks

1/99 – 7/99

Registered Nurse  
Medical Center Hospital Odessa, TX

Responsibilities:

Staff nurse –Newly developed 4 bed PICU  
Cared for children devastated by trauma and critical medical conditions  
Ventilated patients Post op trauma

6/98 -1/99

Registered Nurse  
Odessa Regional Hospital Odessa, TX

Responsibilities:

Registered Nurse  
Staff nurse 16 bed Level III NICU Cared  
for acutely ill & premature infants  
chest needle decompression, arterial puncture

11/94 – 6/98

Respiratory Therapist  
Odessa Regional Hospital Odessa, TX

Responsibilities:

Floor therapy including patients of all ages.  
Cared for critically ill patients on ventilators and in need of intense cardiac monitoring.  
Implemented training courses for new & seasoned therapists  
Taught at Odessa College in the RT program  
Lead therapist in 16 bed level III NICU  
Chest needle decompression, arterial puncture  
Air and ground transport team  
C-section team therapist attended high-risk deliveries

11/93 –11/94

Equipment Technician  
Odessa Regional Hospital, Odessa, TX

Responsibilities:

Cleaned and repaired all respiratory equipment

Organized equipment and inventory acquisition for the respiratory care department.  
Helped obtain JCAHO accreditation for respiratory equipment department.  
Gained knowledge of respiratory equipment while in respiratory school

### **Clinical Awards:**

2010- Nominated for Excellence in Nursing Award- Good Samaritan Foundation – Houston, TX  
2011- Nominated for Excellence in Nursing Award- Good Samaritan Foundation – Houston, TX  
2019- Values in Action- Atrium Healthcare- Always going above and beyond, great attitude, knowledge and professionalism.

### **EXPERT LEGAL CASE REVIEW:**

2017- Spires vs. Grady -Defense- RE: NNP performed neonatal circumcision - Opinions  
2019- Hacker vs. Caughren- Defense- RE: NNP and HIE at delivery- Deposition  
2021- Fanelli vs. Banner Health- Plaintiff- RE: NNP and PKU- Opinions  
2022 Santana-Rodriguez vs Rao et al Defense RE : Phototherapy & Burns- Opinions

### **MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:**

(\* denotes elected membership)

**SPOCUS**- The Society of Point of Care Ultrasound  
**NNBA**-National Nurses in Business Association  
**TSRC**-Texas Association of Respiratory Care  
**NANN**- National Association of Neonatal Nurses  
**ANN**- The Academy of Neonatal Nursing  
**TxANNP**-Texas Association of Neonatal Nurse Practitioners  
**FANNP**-Florida Association of Neonatal Nurse Practitioners  
**NANNP**- National Association of Neonatal Nurse Practitioners  
**SSH**-Society for Simulation in Healthcare  
**INACSL**-International Nursing Association for Clinical Simulation and Learning  
**NONPF**-National Organization for Nurse Practitioner Faculties  
**\*Phi Theta Kappa**- Junior College Honor Society  
**\*Sigma Theta Tau**- International Nursing Honor Society

### **COMMITTEE RESPONSIBILITIES:**

#### **International**

2019-2020 GOLD Learning Neonatal Professional Advisory Committee  
2020-2021 GOLD Learning Online Neonatal Conference Program Chair  
2021-2022 GOLD Learning Online Neonatal Conference Program Chair  
2022-2023 GOLD Learning Online Neonatal Conference Program Chair

#### **National**

2013- National Association of Neonatal Nurse Practitioners (NANNP)-NNP Competencies Toolkit Revision Task Force  
2015-2017 National Association of Neonatal Nurse Practitioners (NANNP)-Nurse Practitioner Mentoring Toolkit Task Force

## Regional

2007-Texas Association of Neonatal Nurse Practitioners (TxANNP)- Conference Planning

## Local

2002-2009- Above All Medical Staffing- *Board of Directors*

2008- TCH- Hyperbilirubinemia Guidelines Committee

2008- TCH- Root Cause Analysis Committee

2009- TCH- Care of the Less than 27 Week Neonate Guidelines Committee

2009- TCH- Neonatal Rapid Sequence Intubation Guidelines Committee

2009- TCH- Chair NNP ECMO Training Committee

2009- TCH- Simulation Center Development of NRP Training with High Fidelity Simulation 2009- TCH- NNP Documentation Committee- Chair

2009- TCH- EPIC Focus group – thoracentesis /chest tube procedure report template

2009-2013 TCH- NICU Unplanned Extubation Committee

2010-2013 TCH- Simulation Center Development of Transport Training with High Fidelity Simulation

2010-2014- TCH-NNP Community Initiative at The Methodist Hospital- Medical Center

2015-2017 & 2021-present TCH-Newborn Center In-situ Simulation Committee

2015-2017 TCH-NNP Shared Governance Research & Education Committee

2015-2017 TCH-NNP Shared Governance Staff Development Committee

2015-2017 TCH Newborn Center Unplanned Extubation Committee

2015-2017 TCH Newborn Center Debriefing Committee

2019-present McGlenn Institute Director

2020-2021 Children’s Hospital at Erlanger Neonatal Simulation Leadership

2021-2022 TCH-Advanced Practice Providers Advisory Council

2022-2023 TCH-Point of Care Ultrasound (POCUS) Faculty/Instructor Committee

2023-present Flagstaff Medical Center-Neonatal Simulation Leadership

## CONTINUING EDUCATION PROGRAMS ATTENDED: (Last 5 years)

<b>Course/Conference</b>	<b>Location</b>	<b>Year</b>
GOLD Learning Neonatal Conference	Online	2023
NCC Neonatal Rx Courses	Online	2023
GOLD Learning Neonatal Conference	Online	2022
Carolinas Association of Neonatal Nurse Practitioners Symposium	Durham, NC	2021
GOLD Learning Neonatal Conference	Online	2021
GOLD Learning Neonatal Conference	Online	2020
20 <sup>th</sup> Ann. International Meeting on Simulation in Healthcare Conf.	San Diego, CA	2020
AANC Pharmacology	Online	2019
Tidewater Association of Neonatal Nurses	Norfolk, VA	2019
Carolinas Association of Neonatal Nurse Practitioners Symposium	Durham, NC	2018
12 <sup>th</sup> Annual Texas Association of Neonatal Nurse Practitioners	Houston, TX	2016
Steps of Data Analysis: Ideal Qual. study w/ Quant. Component	6 week-Webinar	2015
Steps of Data Analysis- Quantitative Statistics	6 week-Webinar	2015
Neonatal Advanced Practice Nursing Forum	Washington, DC	2015