

NOVEL News aspEN

New Opportunities for Verification of Enteral Tube Location Project

LETTER FROM THE CHAIR

The year 2018 has been one of many accomplishments for the NOVEL project! We are hearing from more and more hospitals that they are reviewing their own procedures for NG tube placement based on hearing about the work of the NOVEL project. As a reminder, below are the members along with the organizations they represent:

Beth Lyman, MSN, RN, CNSC, FASPEN; Children's Mercy Kansas City (Project Chair, representing ASPEN)

Sharon Irving, PhD, CRNP, FCCM, FAAN; University of Pennsylvania School of Nursing (representing AACN and ASPEN)

Carol Kemper, PhD, RN; Children's Mercy Kansas City (representing Patient Safety Officers)

Candice Moore, BSN, RN; Cincinnati Children's Hospital (representing home care)

LaDonna Northington, RN, DNS; University of Mississippi School of Nursing (representing Society of Pediatric Nursing)

Katie Oleksak, MSN, FNP; Pediatric Gastroenterology, Levine Children's Specialty Center (representing Association of Pediatric Gastroenterology and Nutrition Nurses APGNN)

Gina Rempel, MD, FRCPC, FAAP; Children's Hospital Winnipeg (representing ASPEN and international members)

Wednesday Sevilla, MD, MPH, CNSC; Children's Hospital of Pittsburgh, UPMC (representing ASPEN)

Kerry Wilder, RN, MBA; Texas Scottish Rite Hospital (representing NANN)

Deahna Visscher; Parent Representative and Safety Advocate

Peggi Guenter, PhD, RN, FAAN, FASPEN; ASPEN staff liaison and advisor

NOVEL PROJECT ACTIVITIES 2018

PATIENT SAFETY MOVEMENT FOUNDATION

In February, Deahna Visscher and Beth Lyman spoke on an international panel discussing NG tube misplacement at the 5th Annual Summit of the Patient Safety Movement Foundation in London. This issue, on an international basis, is one that challenges healthcare providers in most countries. The United Kingdom, Canada, and Australia are three countries that have well-established protocols for NG tube placement verification starting with use of pH measurement as their first line verification method. The Patient Safety Movement Foundation created an Actionable Patient Safety Solution (APSS) for NG tube placement verification. It can be accessed on their [website](#) and is for patients of all ages. The document heavily mirrors work done by the National Health Service in England.

NG TUBE PLACEMENT VIDEOS

Early in 2018, Beth Lyman made two educational videos on NG tube insertion and placement verification. One is directed toward healthcare providers and the other is for caregivers/parents. You can access these videos for use with your patients on the [ASPEN website](#). The clinician video has been viewed over 3,000 times and the caregiver video almost 8,000 times. We have just received a grant to have the videos translated into Spanish. Thanks to Cardinal Health for an educational grant to support the creation of these videos.

NOVEL POSITION PAPER

The biggest accomplishment of 2018 was the publication of our best practice position paper, Pediatric Nasogastric Tube Placement and Verification: Best Practice Recommendations from the NOVEL Project in *Nutrition in Clinical Practice*. The authors were Sharon Y. Irving, PhD, CRNP, FCCM, FAAN; Gina, Rempel, MD, FRCPC; Beth Lyman, RN, MSN, CNSC, FASPEN; Wednesday Marie A. Sevilla, MD, MPH, CNSC; LaDonna Northington, DNS, RN, BC; and Peggi Guenter, PhD, RN, FAAN, FASPEN. This paper is available on the [ASPEN website](#) for anyone, regardless of membership. We encourage you to check it out and see how it compares to your current practice. The paper also contains an algorithm to follow. Our plan for this paper is to share it with other pediatric organizations and clinicians to encourage adoption of the recommendations. The paper has been sent to The Joint Commission with a request they query hospitals on what method(s) institutions use for NG tube placement verification and to produce the evidence to support that practice. Cardinal Health has also provided a grant to develop a small reference card that fits into a badge holder or pocket. Intended for nurses, this reference card summarizes the position paper recommendations and contains the algorithm. You can request these reference cards from [Peggi Guenter](#).

OTHER PUBLICATIONS BY OR ABOUT NOVEL PROJECT MEMBERS

- In the May/June 2018 issue of *Home Healthcare Now*, the article entitled [Pediatric Nasogastric Tubes in the Home: Recommendations for Practice](#) was published. This article by LaDonna Northington, et al was based on a survey done of clinicians and caregivers who care for pediatric patients with NG tubes at home.
- In July, two articles were published in [Neonatology Today](#) on the use of pH to verify NG tube placement in the neonatal population. They are: Many Hospitals Still Employ Non-Evidence Basted Practices, Including Auscultation, Creating Serious Patient Safety Risk in Nasogastric Tube Placement and Verification on page 3 and The Story of a Nasogastric Tube Gone Wrong on page 12. This remains a controversial area for many institutions and has hindered adoption of pH in many settings. In the UK, it has been the practice to use pH for NG tube placement verification in this population for over 14 years.
- The [American Nurse Today November 2018](#) issue focuses on NG tube placement verification in patients of all ages. It can be accessed online by American Nurse Association members.
- Carol Kemper and the team at Children's Mercy Kansas City have submitted a research paper on the use of pH in the NICU to *Advances in Neonatal Care*.
- The [Child Health Patient Safety Organization 2018 Annual Report](#) has an article on page 6 that highlights NG misplacement and the NOVEL Project.

THE YEAR AHEAD

TECHNOLOGY AND INNOVATION	ASPEN 2019 NUTRITION SCIENCE & PRACTICE CONFERENCE
<p>We continue to meet with inventors and biomedical engineers from companies to evaluate product concepts that would allow a nurse to use technology to verify and re-verify NG tube placement at the bedside. There are many promising products in development, but none will be ready for patient use in 2019 that we know of. Therefore, we encourage you to adopt the recommendations put forth in our position paper.</p>	<p>The NOVEL Project group will meet at the ASPEN 2019 Nutrition Science & Practice Conference. This meeting will be held in Phoenix, Arizona on Tuesday, March 26, 2019 at 2:00 PM in the Phoenix Convention Center. Anyone interested in this issue, from clinicians to industry members, is welcome to attend. On Monday, March 25 from 2:30-4:00 PM, NOVEL Project members will be speaking in a session titled Patient Safety, Organizational Practices, and the Legal System.</p>