

## Pediatric Nasogastric Tube Placement and Verification: Best Practice Recommendations From the NOVEL Project

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### Abstract

The placement of a nasogastric tube (NGT) in a pediatric patient is a common practice that is generally perceived as a benign bedside procedure. There is potential risk for NGT misplacement with each insertion. A misplaced NGT compromises patient safety, increasing the risk for serious and even fatal complications. There is no standardized method for verification of the initial NGT placement or reverification assessment of NGT location prior to use. Measurement of the acidity or pH of the gastric aspirate is the most frequently used evidence-based method to verify NGT placement. The radiograph, when properly obtained and interpreted, is considered the gold standard to verify NGT location. However, the uncertainty regarding cumulative radiation exposure related to radiographs in pediatric patients is a concern. To minimize risk and improve patient safety, there is a need to identify best practice and to standardize care for initial and ongoing NGT location verification. This article provides consensus recommendations for best practice related to NGT location verification in pediatric patients. These consensus recommendations are not intended as absolute policy statements; instead, they are intended to supplement but not replace professional training and judgment. These consensus recommendations have been approved by the American Society for Parental and Enteral Nutrition (ASPEN) Board of Directors.

### References

- 1 Healthcare Cost and Utilization Project (HCUP). Overview of the National (Nationwide) Inpatient Sample (NIS). *Agency for Healthcare Research and Quality*. 2014. Available at:

# Tube Recommendations Novel

**Scientific Materials Company,  
Pittsburgh**



## **Tube Recommendations Novel:**

**Skills for Midwifery Practice E-Book** Ruth Bowen, Wendy Taylor, 2021-12-16 Skills for Midwifery Practice is the go to book for all midwifery students who need to learn what to do in a range of situations how to perform a skill and why they need to do it in a certain way Written by midwifery educators Ruth Johnson and Wendy Taylor the book makes learning easy with background information learning outcomes helpful diagrams and lists to represent the skill flow It explains the underlying physiology associated with pregnancy and childbirth and clearly defines the nature and extent of current practice This version is fully updated and referenced throughout to provide a detailed evidence base to support learning and further study It is ideal for midwives in training qualified midwives returning to practice as well as other members of the obstetric healthcare team Clear and logical easy to follow and understand for training midwives Accurate up to date evidence base that is relevant to contemporary midwifery practice Each skill contextualized with background indications and contraindications to support both clinical practice and study Learning objectives and end of chapter self assessment exercises allow readers to monitor their progress New to this edition Latest guidelines and standards New information on resuscitation and other emergencies Now in full color throughout Expanded chapter on the use of standard precautions in light of the global pandemic Developed discussion of alternative feeding methods Latest guidelines and standards New information on resuscitation and other emergencies Now in full color throughout Expanded chapter on the use of standard precautions in light of the global pandemic Developed discussion of alternative feeding methods Maternal Child Nursing Care - E-Book Shannon E. Perry, Marilyn J. Hockenberry, Kitty Cashion, Kathryn Rhodes Alden, Ellen Olshansky, Deitra Leonard Lowdermilk, 2022-03-05 Master the essentials of maternity and pediatric nursing with this comprehensive all in one text Maternal Child Nursing Care 7th Edition covers the issues and concerns of women during their childbearing years and children during their developing years It uses a family centered problem solving approach to patient care with guidelines supported by evidence based practice New to this edition is an emphasis on clinical judgment skills and a new chapter on children with integumentary dysfunction Written by a team of experts led by Shannon E Perry and Marilyn J Hockenberry this book provides the accurate information you need to succeed in the classroom the clinical setting and on the Next Generation NCLEX RN examination Focus on the family throughout the text emphasizes the influence of the entire family in health and illness Expert authors of the market leading maternity and pediatric nursing textbooks combine to ensure delivery of the most accurate up to date content Information on victims of sexual abuse as parents and human trafficking helps prepare students to handle these delicate issues Nursing Alerts highlight critical information that could lead to deteriorating or emergency situations Guidelines boxes outline nursing procedures in an easy to follow format Evidence Based Practice boxes include findings from recent clinical studies Emergency Treatment boxes describe the signs and symptoms of emergency situations and provide step by step interventions Atraumatic Care boxes teach students how to manage pain and

provide competent care to pediatric patients with the least amount of physical or psychological stress Community Focus boxes emphasize community issues provide resources and guidance and illustrate nursing care in a variety of settings Patient Teaching boxes highlight important information nurses need to communicate to patients and families Cultural Considerations boxes describe beliefs and practices relating to pregnancy labor and birth parenting and women s health Family Centered Care boxes draw attention to the needs or concerns of families that students should consider to provide family centered care

*Wong's Clinical Manual of Pediatric Nursing E-Book* Marilyn J. Hockenberry,Rosalind Bryant,Melody Brown Hellsten,2023-05-17 NEW Case studies with clinical reasoning clinical judgment questions for the Next Generation NCLEX Examination are added to this edition NEW Updated vaccination schedules and pediatric guidelines are included for asthma blood pressure car seats and more NEW Coverage of autism spectrum disorders and childhood obesity is expanded NEW Additional color illustrations are included in the insert for the most common childhood skin disorders NEW Updated content includes Evidence Based Practice boxes screening charts opioid treatment drug calculations and safe dosage ranges and safety information for home private office and outpatient settings *Wong's Essentials of Pediatric Nursing - E-Book* Marilyn J. Hockenberry,David Wilson,Cheryl C Rodgers,2021-03-05 Selected for Doody s Core Titles 2024 with Essential Purchase designation in Pediatrics As the 1 title in the pediatric nursing market for over 40 years Wong s Essentials of Pediatric Nursing 11th Edition continues to leverage its trademark developmental approach as it equips readers with the very latest research and guidelines for treating children today The text utilizes a highly readable writing style and encourages a whole body approach beginning with child development and health promotion to better understand the later chapters on specific health problems This new eleventh edition also features Next Generation NCLEX style case studies and questions a new chapter covering all systems cancers additional case studies within the nursing care plans and updated and expanded evidence based content throughout to best reflect the latest standards and trends impacting pediatric nursing care today Developmental approach clearly identifies developmental tasks and influences at each stage of a child s growth Emphasis on wellness features health promotion chapters for each developmental stage of childhood Critical thinking case studies with answers are found throughout the text Quality patient outcomes are highlighted within nursing management discussions for major diseases and disorders Drug alerts draw attention to potential safety issues reflecting QSEN safety initiative Family focus includes a separate family chapter as well as family content and Family Centered Care boxes integrated throughout the text Community Focus boxes provide resources and guidance on caring for children outside the clinical setting Evidence Based Practice boxes focus attention on the application of research and critical thought processes to support and guide the outcomes of nursing care Chapter on complementary alternative therapy cover timely topics to aid in providing complete comprehensive care Nursing care plans provide a model for planning patient care and include rationales that provide the why Research Focus boxes highlight current studies that impact pediatric nursing today Cultural content

and Cultural Considerations boxes are integrated throughout the text to draw attention to customs and beliefs of different cultures that influence childcare Atraumatic Care boxes contain techniques for care that minimize pain discomfort or stress Nursing tips offer helpful hints and practical clinical information of a non emergency nature Nursing alerts feature critical information that MUST BE considered in providing care Emergency Treatment sections provide a quick reference in critical situations Nursing care guidelines provide clear step by step instructions for performing specific skills or procedures

**Wong's Nursing Care of Infants and Children - E-Book** Marilyn J. Hockenberry, 2022-12-23 American Journal of Nursing AJN Book of the Year Awards 1st Place in Child Health Provide quality nursing care through each stage of child development Wong s Nursing Care of Infants and Children 12th Edition uses an easy to follow family centered approach to describe the care of children at each age and stage of development The book begins with a discussion of the influences on and assessment of child health then provides chapters on child health promotion and health problems all organized by age groups and body systems Up to date evidence based information helps you develop critical thinking skills along with the sensitivity needed to become a compassionate caring pediatric nurse Written by a team of experts led by Marilyn J Hockenberry Wong s continues to be the leading text in pediatric nursing Focus on family centered care emphasizes the role and influence of the family in child health and illness with a separate chapter and Family Centered Care boxes Full color drawings and photographs reflect the latest in nursing care Nursing Care Guidelines boxes offer clear step by step instructions for interventions in a variety of situations and conditions and Nursing Care Plan boxes included expected patient outcomes and rationales for nursing interventions Nursing Tips include helpful hints and practical clinical information Translating Evidence into Practice and Applying Evidence to Practice boxes help you apply research to improve the outcomes of nursing care Atraumatic Care boxes contain techniques for care that manage pain discomfort or stress along with approaches to promote self esteem and prevent embarrassment Emergency Treatment boxes serve as a quick reference for interventions in critical situations Cultural Considerations and Cultural Competence content provides tips from clinical experts Community and Home Health Considerations boxes address issues such as increasing immunization rates decreasing smoking among teens and preventing lead poisoning Drug Alerts highlight important drug related information for safe appropriate care Nursing Alerts call out critical considerations such as key assessment data risk factors and danger signs that must be considered in providing care Research Focus boxes emphasize research with concise reviews of important evidence

**Novel Suggestions for Social Occasions** Paul Pierce, 1916 **Small Animal Critical Care Medicine E-Book** Deborah Silverstein, Kate Hopper, 2022-09-03 NEW Coverage of high flow nasal oxygen therapy and both core and advanced concepts for mechanical ventilation helps you deliver high quality care to patients with respiratory failure NEW Chapters on current critical care topics include Assessment of Intravascular Volume Urine Osmolality and Electrolytes and Infectious Disease Control in the ICU NEW Chapters on novel procedures offer coverage of tracheal stents urinary diversion

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The Novel Magazine ,1906      *Citizens Radio Call Book Magazine* ,1926      **Popular Radio** Kendall Banning,1927      *Popular Radio and Television* ,1924      **American year-book of medicine and surgery. v.8 pt.2, 1903** ,1903      **Pneumatic-tube Service** United States. Congress. Senate. Committee on Post Offices and Post Roads,1917      **Sleisenger and Fordtran's Gastrointestinal and Liver Disease E-Book** Mark Feldman, Lawrence S. Friedman, Lawrence J. Brandt, 2020-06-09

For nearly 50 years Sleisenger Fordtran's Gastrointestinal and Liver Disease has been the go to reference for gastroenterology and hepatology residents fellows physicians and the entire GI caregiving team Now in a fully revised 11th Edition this two volume masterwork brings together the knowledge and expertise of hundreds of global experts who keep you up to date with the newest techniques technologies and treatments for every clinical challenge you face in gastroenterology and hepatology A logical organization more than 1 100 full color illustrations and easy to use algorithms ensure that you'll quickly and easily find the information you need Features new and expanded discussions of chronic hepatitis B and C Helicobacter pylori infection colorectal cancer prevention through screening and surveillance biologic agents and novel small molecules to treat and prevent recurrences of inflammatory bowel disease IBD gastrointestinal immune and autoimmune diseases and more Offers reliable coverage of key topics such as Barrett's esophagus gut microbiome enteric microbiota and probiotics fecal microbiota transplantation and hepatic pancreatic and small bowel transplantation Provides more quick reference algorithms that summarize clinical decision making and practical approaches to patient management Employs a consistent templated format throughout for quick retrieval of information Includes monthly updates online as well as more than 20 procedural videos Expert Consult™ eBook version included with purchase This enhanced eBook experience allows you to search all of the text figures and references from the book on a variety of devices

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web 4 period until officially relieved released from duty appointment 5 the appointed personnel possess a minimum of an interim secret security clearance 6 the point of contact for this memorandum is undersigned and can be reached at 360 819 9074 tina a tu cpt lg commanding

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web 2 appointment procedures informal investigation appointments may be made orally or in writing if written the appointment orders are usually issued as a memorandum signed by the appointing authority or by a subordinate with the appropriate authority line whether oral or written the appointment should specify

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web the additional duty memorandum format will include the required regulation s needed to perform the duty type appointment appointee s full name rank grade position title work telephone

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