
1984;8:30-33.

⁴⁷⁶ Van Enk RA, Furtado D: Bacterial contamination of enteral nutrient solutions: intestinal colonization and sepsis in mice after ingestion. *JPEN* 1986;10:503-507.

⁴⁷⁷ Vaughan LA, Manore M, Winston DH: Bacterial safety of a closed-administration system for enteral nutrition solutions. *J Am Diet Assoc* 1988;88:35-37.

⁴⁷⁸ 疋田茂樹, 溝手博義, 平川信子, ほか: 経腸栄養剤の細菌増殖の予防対策. *JJPEN* 1998;20:73-76.

⁴⁷⁹ 宇佐美真, 大柳治正, 斎藤洋一: 投与栄養剤の調製法. *日本臨床* 1991;49:213-217.

⁴⁸⁰ Lucia Rocha Carvalho M, Beninga Morais T, Ferraz Amaral D, et al: Hazard analysis and critical control point system approach in the evaluation of environmental and procedural sources of contamination of enteral feedings in three hospitals. *JPEN* 2000;24:296-303.

⁴⁸¹ Roy S, Rigal M, Doit C, et al: Bacterial contamination of enteral nutrition in a paediatric hospital. *J Hosp Infect* 2005;59:311-316.

⁴⁸² Oie S, Kamiya A: Comparison of microbial contamination of enteral feeding solution between repeated use of administration sets after washing with water and after washing followed by disinfection. *J Hosp Infect* 2001;48:304-307.

⁴⁸³ Oie S, Kamiya A, Hironaga K, et al: Microbial contamination of enteral feeding solution and its prevention. *Am J Infect Control* 1993;21:34-38.

⁴⁸⁴ Matlow A, Wray R, Goldman C, et al: Microbial contamination of enteral feed administration sets in a pediatric institution. *Am J Infect Control* 2003;31:49-53.

⁴⁸⁵ Patchell CJ, Anderton A, Holden C, et al: Reducing bacterial contamination of enteral feeds. *Arch Dis Child* 1998;78:166-168.

⁴⁸⁶ Lee CH, Hodgkiss IJ: The effect of poor handling procedures on enteral feeding systems in Hong Kong. *J Hosp Infect* 1999;42:119-123.

⁴⁸⁷ Ott L, Annis K, Hatton J, et al: Postpyloric enteral feeding costs for patients with severe head injury: blind placement, endoscopy, and PEG/J versus TPN. *J Neurotrauma* 1999;16:233-242.

⁴⁸⁸ Strong RM, Condon SC, Solinger MR, et al: Equal aspiration rates from postpylorus and intragastric-placed small-bore nasoenteric feeding tubes: a randomized, prospective study. *JPEN* 1992;16:59-63.

⁴⁸⁹ Heyland DK, Drover JW, MacDonald S, et al: Effect of postpyloric feeding on gastroesophageal regurgitation and pulmonary microaspiration: results of a randomized controlled trial. *Crit Care Med* 2001;29:1495-1501.

⁴⁹⁰ Cole MJ, Smith JT, Molnar C, et al: Aspiration after percutaneous gastrostomy. Assessment by Tc-99m labeling of the enteral feed. *J Clin Gastroenterol* 1987;9:90-95.

⁴⁹¹ Gomes GF, Pisani JC, Macedo ED, et al: The nasogastric feeding tube as a risk factor for aspiration and aspiration pneumonia. *Curr Opin Clin Nutr Metab Care* 2003;6:327-333.

⁴⁹² Saxe JM, Ledgeermwood MD, Lucas CE, et al: Lower esophageal sphincter dysfunction precludes safe gastric feeding after head injury. *J trauma* 37:581-584,1994.

⁴⁹³ Yavagal DR, Karnad DR, Oak JL: Metoclopramide for preventing pneumonia in critically ill patients receiving enteral tube feeding: A randomized controlled trial. *Crit Care Med* 28:1408-1411,2000.

⁴⁹⁴ Lararus BA, Murphy JB, Culpepper L: Aspiration associated with long-term gastric versus jejunal feeding: A critical analysis of the literature. *Arch Phys Med Rehab* 71:46-53,1990.

⁴⁹⁵ Montecalvo MA, Steger KA, Farber HW, et al: Nutritional outcome and pneumonia in critical care patients randomized to gastric versus jejunal tube feedings. *Crit Care Med* 20:1377-1387,1992.

⁴⁹⁶ Strong RM, Condon SC, Solinger MR, et al: Equal aspiration rates for postpylorus and intragastric-placed small bore nasoenteric feeding tubes: A randomized, prospective study. *JPEN* 16:59-63,1992.

⁴⁹⁷ Fox KA, Mularski KA, Sarfati MR: Aspiration pneumonia in patients fed through