Research

Albuterol Premedication and Respiratory Adverse Events 527
von Ungern-Sternberg and colleagues conducted a randomized clinical trial of 479 children undergoing tonsillectomy. They found that perioperative respiratory adverse events were observed in 67 of 241 children (27.8%) receiving albuterol and 114 of 238 (47.9%) receiving placebo. Laryngospasm, coughing, and oxygen desaturation each occurred significantly more often in the placebo group. Albuterol premedication should be considered when planning anesthesia for children undergoing tonsillectomy alongside other strategies for reducing the risk of perioperative respiratory adverse events in this high-risk population.

Effect of Gastric Residual Evaluation on Enteral Intake 534
Parker and colleagues conducted a randomized clinical trial of 143 premature, very low-birth-weight infants and found that those who did not undergo gastric residual evaluation advanced feeds more quickly and consumed more enteral nutrition at weeks 5 and 6 after birth. Among extremely preterm infants, the omission of gastric residual evaluation was safe and increased the delivery of enteral nutrition.

Prevalence of Sexual Initiation Among US Male Adolescents 553
Lindberg and colleagues conducted a cross-sectional study of 19,916 male high school students and 7,739 male individuals age 15 to 24 years and found substantial variation in the rates of sexual onset before age 13 years across metropolitan areas and by race/ethnicity, with rates as high as 28% among non-Hispanic black males in Memphis, Tennessee.

Intimate Partner Homicide of Adolescents 571
Adhia and colleagues conducted a multistate study of homicides of 2,188 individuals age 11 to 18 years, 150 (6.9%) of which were perpetrated by an intimate partner. Intimate partner homicide victims were largely female individuals and were killed by a firearm, and homicides often involved broken relationships or jealousy. Intimate partner homicide of adolescents is an important problem that warrants further study and proactive intervention.

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609 Ethical Review and Methodologic Innovation in Phase I Cancer Trials

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