Honey May Reduce Injury in Children Who Have Swallowed Button Batteries

Release Date:
Tuesday, June 12, 2018 3:17 pm EDT

Terms:

Dateline City:
Hoboken, NJ

Ingestion of button batteries, which are frequently found in the household setting, can rapidly lead to caustic esophageal injury in infants and children. A new study published in *The Laryngoscope* found that drinking honey or Carafate® (a cherry-flavored duodenal ulcer prescription) may help reduce esophageal damage.

In experiments conducted on cadavers and live animals, both honey and Carafate® provided a physical barrier and neutralized the tissue pH increase associated with battery ingestion; they both reduced injury severity compared with other common household liquids, including apple juice, orange juice, sodas, sports drinks, and maple syrup.

“An esophageal button battery can quickly cause significant injury. We have identified protective interventions for both the household and hospital setting that can reduce injury severity,” said co-principal investigator Dr. Kris Jatana, Associate Professor and Director of Pediatric Otolaryngology Quality Improvement at Nationwide Children's Hospital, in Columbus, OH. “Our results will change the practice guidelines for how medical professionals acutely manage button battery ingestion.”

Additional Information

The information contained in this release is protected by copyright. Members of the media may sign up for embargoed news or to request a copy of any study please contact:

Josh Glickman (US) +1 201-748-6572
sciencenewsroom@wiley.com
Follow us on Twitter @WileyNews

Full Citation

“pH‐neutralizing esophageal irrigations as a novel mitigation strategy for button battery injury.” Rachel R. Anfang, Kris R. Jatana, Rebecca L. Linn, Keith Rhoades, Jared Fry and Ian N. Jacobs. The Laryngoscope; Published Online: June 11, 2018. (DOI: 10.1002/lary.27312).

URL Upon Publication: https://doi.org/10.1002/lary.27312

About Wiley

Wiley, a global research and learning company, helps people and organizations develop the skills and knowledge they need to succeed. Our online scientific, technical, medical, and scholarly journals, combined with our digital learning, assessment and certification solutions help universities, learned societies, businesses, governments and individuals increase the academic and professional impact of their work. For more than 210 years, we have delivered consistent performance to our stakeholders. The company's website can be accessed at www.wiley.com.

Language:
English