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Gastric ultrasound for feeding intolerance in the ICU: close but not quite right

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Abstract (600 word limit)

In the January 2021 issue of BMC Gastroenterology, Elmokadem et al. report their findings on the use of gastric ultrasound (GUS) for the evaluation of feeding intolerance—defined as high gastric residual volume—in critically ill patients. We voice in this correspondence our concerns regarding certain methodological flaws and believe the study results should be interpreted with caution. The authors applied a model unvalidated for non-clear fluids as enteral feeding, the scanning protocol was not clearly described and essential anatomical landmarks required for correct interpretation are not visible in the presented images. Additionally, since GUS was not compared to a gold standard, we believe the authors' conclusion may be overoptimistic and does not undoubtedly answer the primary outcome.

Important of Research (200 word limit)

The Katholieke Universiteit Leuven (or KU Leuven) is a Catholic research university in the city of Leuven, Belgium. It conducts teaching, research, and services in computer science, engineering, natural sciences, theology, humanities, medicine, law, canon law, business, and social sciences. KU Leuven is the largest university in Belgium and the Low Countries. In 2017–18, more than 58,000 students were enrolled. Its primary language of instruction is Dutch, although several programs are taught in English, particularly graduate degrees.

Biography (200 word limit)

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Peter Van de Putte studied medicine at the Catholic University of Leuven, Belgium where he obtained his degree in 1991. He received his specialty qualification in anaesthesiology in 1996. From 1996 until 2019, he was staff member of the Department of Anesthesiology at the Hospital AZ Monica, Antwerp, Belgium. He currently is staff member of the department of anaesthesiology at the Imelda Hospital in Bonheiden, Belgium. His interests are loco-regional anesthesia, point-of-care ultrasound and resident teaching. Most of his current research involves point-of-care gastric ultrasound (gastric PoCUS) and its development as an application for assessment of aspiration risk in perioperative patients

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Information of Institute and Laboratory (200 word limit)

Establishment of “Medical University” in accordance with the Royal Decree establishing regulations of the Ministry of Public Health. Published in the Government Gazette, Part 16, Volume 59, dated 10 March B.E. 2442.1968 On June 7, 1968, there was a royal decree establishing the Faculty of Dentistry, Phayathai and Faculty of Pharmacy, Phayathai, in the “University of Medicine” to add two more faculties according to government policies and projects. In the University Education Development Plan, 1967-1971, in the field of medicine, which wanted to increase the production of dentists and pharmacists. (Formerly there was already a Faculty of Pharmacy which has a location in the present area of Chulalongkorn University Therefore, the name of the new Faculty of Pharmacy has been established.



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