use. [5] The nutritional problem seems to be an important factor leading to hypomagnesemia. [4,5] Hence, finding of hypomagnesemia in the patient receiving PPI might not imply that PPI is the cause of the problem. Finally, the routine electrolyte investigation usually does not cover serum magnesium. Hence, the problem might be underor late-diagnosed. Critical care unit practitioners should regularly monitor the serum magnesium of the patient to detect the problem early. [6]

Sim Sai Tin, Viroj Wiwanitkit¹

Medical Center, Shantou, ¹Hainan Medical University, Haikou, China

Correspondence:
Prof. Sim Sai Tin,
Medical Center, Shantou, China.
E-mail: simsaitin@gmail.com

References

- Wang AK, Sharma S, Kim P, Mrejen-Shakin K. Hypomagnesemia in the intensive care unit: Choosing your gastrointestinal prophylaxis, a case report and review of the literature. Indian J Crit Care Med 2014:18:456-60.
- Mackay JD, Bladon PT. Hypomagnesaemia due to proton-pump inhibitor therapy: A clinical case series. QJM 2010;103:387-95.
- Ströker E, Leone L, Vandeput Y, Borbath I, Lefebvre C. Severe symptomatic hypomagnesaemia induced by the chronic use of proton pump inhibitors: A case report of a patient with Zollinger-Ellison syndrome. Acta Clin Belg 2014;69:62-5.
- Ayuk J, Gittoes NJ. How should hypomagnesaemia be investigated and treated? Clin Endocrinol (Oxf) 2011;75:743-6.
- Deshmukh CT, Rane SA, Gurav MN. Hypomagnesaemia in paediatric population in an intensive care unit. J Postgrad Med 2000;46:179-80.
- Centeno C, López Saca JM. An update on the importance of monitoring serum magnesium in advanced disease patients. Curr Opin Support Palliat Care 2013;7:396-405.

Symptomatic hypomagnesemia and proton pump inhibitors

Sir,

We read with interest the report by[1] Wang et al. titled "a case of symptomatic hypomagnesaemia in medical intensive care unit that is strongly related to PPIs".[1] In fact, symptomatic hypomagnesemia and PPI is sporadically mentioned. In the case series by Mackay and Bladon the problem is common among the elderly with long-term use of PPI, and the stopping of PPI can dramatically improve the problem. [2] Of interest, not all patients receiving PPI develop symptomatic hypomagnesemia. The possible relationship to a serious disease, Zollinger-Ellison syndrome, is mentioned.[3] Focusing on the present report, the case in intensive care context is reported. The problem of hypomagnesemia is not an extremely rare condition. As noted by Ayuk and Gittoes, "hypomagnesaemia is relatively common, with an estimated prevalence in the general population ranging from 2.5% to 15%"[4] and this can be due to many factors, not specific to use of PPI. In addition, according to a report by Deshmukh et al., 70% of patients in critical care unit had hypomagnesemia, despite no history of PPI

Access this article online Quick Response Code: Website: www.ijccm.org DOI: 10.4103/0972-5229.144030