Variant Achalasia: A New Category of the Chicago Classification Published in 2011

Hyung Hun Kim, Moo In Park, Jong Hyun Baik, Seun Ja Park and Won Moon

Department of Internal Medicine, Kosin University College of Medicine, Busan, Korea

A 56-year-old woman presented to our outpatient clinic because she had been having swallowing difficulty of solid food and liquid for the past month. Intense psychiatric stress and eating quickly provoked dysphagia, but exercise relieved the symptoms. The physical examination was unremarkable, and there were no abnormal findings on esophagogastroduodenoscopy. High-resolution manometry revealed an elevated mean integrated relaxation pressure (IRP) of 15.5 mmHg. Additionally, a simultaneous

Figure 1. High-resolution manometry (HRM) spatio-temporal plots. (A) HRM revealed elevated integrated relaxation pressure (15.9 mmHg) with increased contractile front velocity (9.8 cm/sec). (B) HRM also showed increased integrated relaxation pressure (17.5 mmHg) and normal peristaltic contraction and contractile front velocity (4.2 cm/sec).
Normal peristalsis with deglutitive inhibition was observed on the multiple swallow test.

According to the Chicago classification published in 2008, it was impossible to define the combination of these 2 findings with a single term.\(^1\) Because of the elevated mean IRP, this presentation was initially classified as impaired esophagogastric junction (EGJ) relaxation. However, there was no category consistent with both the simultaneous contraction and elevated contractile front velocity in impaired EGJ relaxation. Aside from the elevated mean IRP, this presentation was compatible with distal esophageal spasm with a contractile front velocity > 8 cm/sec in 20% of swallows. Since esophageal spasm occasionally accompanies impaired EGJ relaxation, we diagnosed the patient as distal esophageal spasm with impaired EGJ relaxation.\(^2\)

However, the revised Chicago classification published in 2011 classifies this presentation as variant achalasia.\(^3\) This new classification enabled us to categorize our findings as EGJ outflow obstruction due to elevated IRP and some instances of intact peristalsis. Thereafter, we have been able to diagnose this presentation as variant achalasia more specifically after ruling out the mechanical obstruction and hypercontractility.\(^3\) Our case exhibited characteristic findings of the newly proposed category in the 2011 Chicago classification, which addresses the findings not classifiable by the 2008 Chicago classification system.

References