Idiopathic esophageal ulceration is nearly forgotten in an era of controlled human immunodeficiency virus

Obstruction due to esophageal ulceration is usually caused by gastroesophageal reflux disease, malignancy, or eosinophilic esophagitis. In patients infected with the human immunodeficiency virus (HIV), another specific cause of obstruction should not be forgotten.

A 43-year-old HIV-infected man with low CD4 cell count and high viral load was admitted with odynophagia and dysphagia. Esophagastroduodenoscopy showed severe esophagitis with strictures (Fig. 1 and Fig. 2), and normal histology on repeat endoscopy. Multiple dilations and subsequent high-dose proton pump inhibitors and ganciclovir did not improve the symptoms. Serology for herpes simplex virus and cytomegalovirus was negative. Meanwhile, viral loads and CD4 cell count improved, as a result of adjustment to antiretroviral therapy.

Finally, a gastroenterologist who was experienced in HIV problems suggested the diagnosis of HIV-associated idiopathic esophageal ulceration (IEU). The patient was treated with liquid steroids (beclomethasone), which resulted in clinical and endoscopic improvement (Fig. 3).

In the 1990s, one group reported an IEU prevalence of 15% in HIV patients [3]. Typical symptoms were chest pain and odynophagia; dysphagia was less common. Histology is mandatory to exclude malignancy and infection. The treatment of choice is steroids, with response in 90% of patients [4–6]. With thalidomide, a success rate of 71% was reported [7]. The current patient was successfully treated with orally administered enema steroids (beclomethasone). The influence of better viral control with interventions other than steroids is unknown. No data exist comparing the latter. Budesonide inhalers, prescribed for eosinophilic esophagitis, might be new additions to the armamentarium. In summary, early recognition of IEU is warranted in order to start treatment.

Competing interests: None

Noor Bekkali1,2, Guido E. L. van den Berk3, Paul Drillenburg4, Dirk J. van Leeuwen1,5

1 Department of Gastroenterology, Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands
2 Academic Medical Center of Amsterdam, Amsterdam, The Netherlands
3 Department of Internal Medicine (Infectious Diseases), Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands
4 Department of Pathology, Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands
5 Dartmouth Medical School, Hanover, New Hampshire, United States
References

Corresponding author
Noor Bekkali, MD, PhD
Academic Medical Center of Amsterdam
Meibergdreef 9
1105 AZ Amsterdam
The Netherlands
Fax: +31-20-5993818
n.bekkali@amc.nl

Correction
Epub 2014 Oct 14

The author’s name Guido L. E. van den Berk was corrected to Guido E. L. van den Berk.