

BACKGROUND

- Esophageal lichen planus (ELP) is an under-recognized cause of dysphagia.
- Accurate diagnosis is important as ELP can lead to recurrent severe dysphagia and odynophagia, with a negative impact on quality of life.
- Timely diagnosis is crucial for effective treatment as ELP has been associated with increased risk for development of squamous cell carcinoma.

CASE DESCRIPTION

- A 72-year-old gentleman presented with progressively worsening esophageal dysphagia to solids for 2 years.
- Past medical history included oral lichen planus and osteoporosis treated with alendronate.
- Prior work-up included two endoscopies that had shown a focal proximal esophageal stricture and thin esophageal mucosa. Some of the biopsies obtained during those endoscopies had shown esophageal mucosa with focally increased eosinophils; and some were interpreted as unremarkable.
- The working diagnosis was peptic stricture with possible eosinophilic esophagitis. He completed a trial of PPI, allergen avoidance and serial balloon dilations; but continued to experience dysphagia

CASE DESCRIPTION (CONTINUED)

- He underwent another endoscopy that showed recurrent proximal esophageal stricture that was dilated from 8 to 15 mm.
- This time, biopsy of the stricture showed numerous intraepithelial lymphocytes and focal apoptotic squamous cells (Civatte bodies) compatible with ELP.
- Budesonide slurry 1 mg twice daily was instituted and an EGD 6 months later showed near-resolution of the stricture.
- The patient no longer requires dilations or antacid therapy and is asymptomatic currently.

IMAGING AND HISTOPATHOLOGY

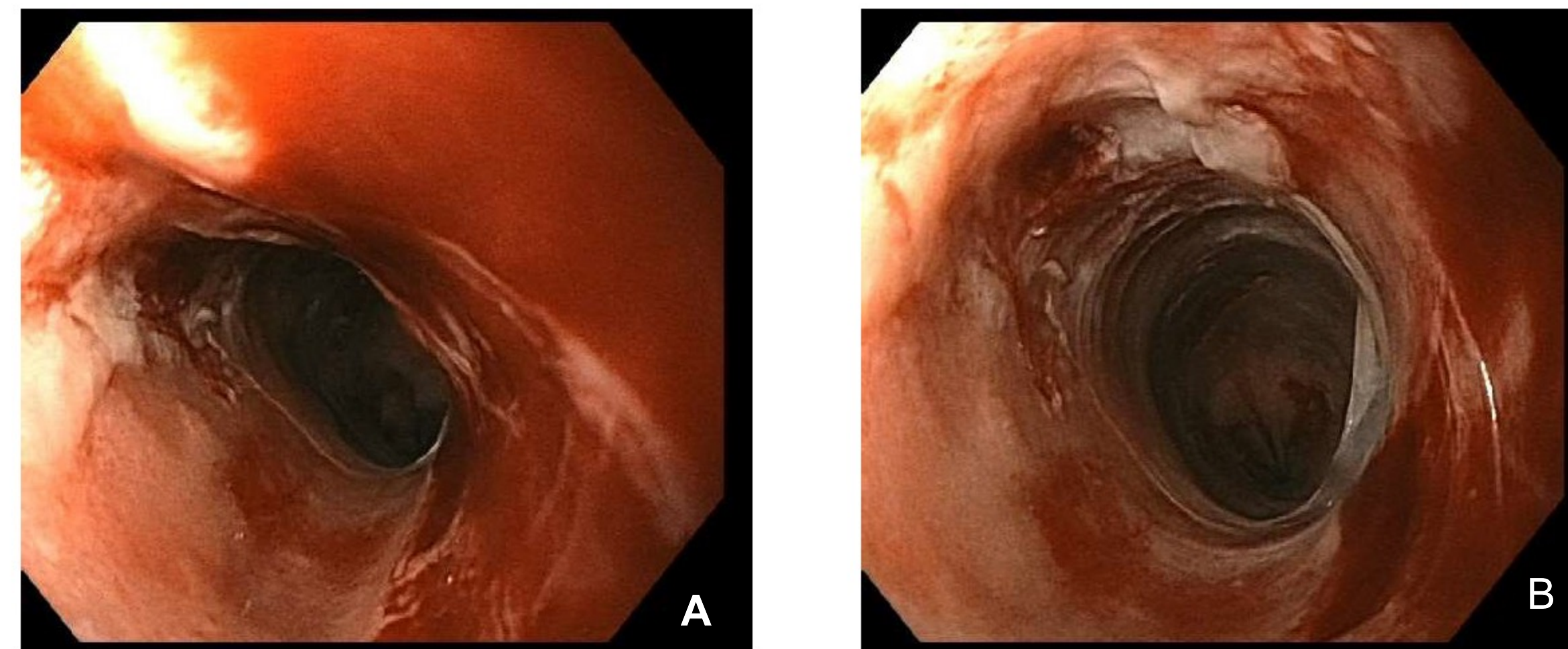


Figure 1: Endoscopy with hyperemic mucosa with mucosal sloughing after dilator passage. A is proximal esophagus and B is mid-esophagus

Common endoscopic findings in ELP:

- Easy peeling of the esophageal mucosa with minimal contact and formation of “tissue paper-like membranes”
- Esophageal strictures, webs
- Pinpoint erosions, mucosal sloughing, lacy white papules
- GERD can be distinguished from ELP by the sparing of GE junction in ELP

Common Biopsy Findings in ELP:

- Dense lymphocytic infiltration of the lamina propria
- Basal cell layer degeneration and epithelial detachment
- Civatte Bodies (apoptotic keratinocytes)

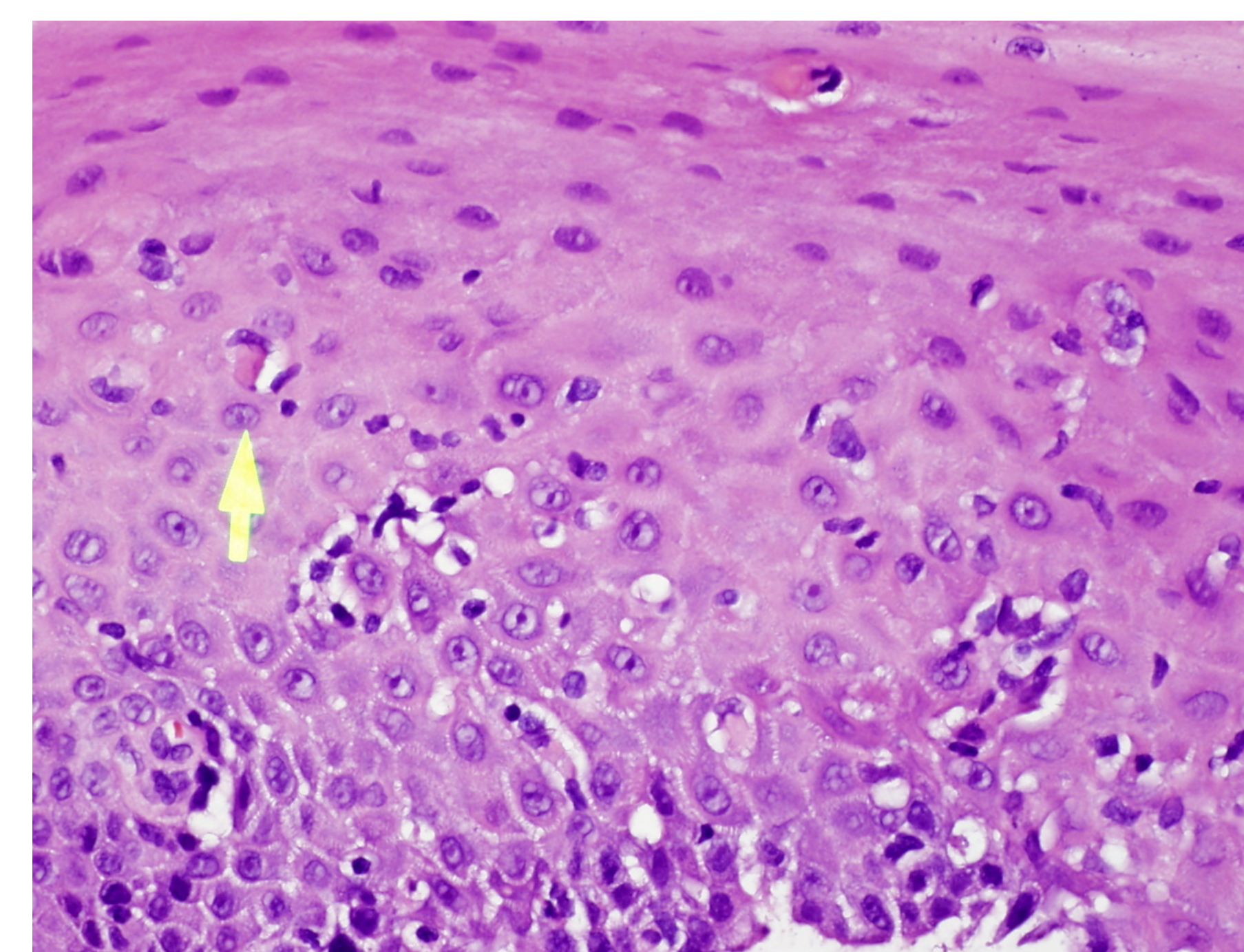


Figure 2: Esophageal biopsy showing esophageal squamous mucosa with basal reactive epithelial changes, increased intraepithelial lymphocytes, and arrow pointing to two apoptotic keratinocytes (Civatte or colloid bodies)

DISCUSSION

- Esophageal lichen planus should be suspected in patients with a history of cutaneous or oral LP
- If histology is inconclusive but a high index of suspicion remains, repeating biopsies and expert pathology review may be warranted as is highlighted in this case.
- The differential diagnosis includes reflux esophagitis, eosinophilic esophagitis, drug-induced lichenoid esophagitis, lymphocytic esophagitis, pemphigoid, candida or viral esophagitis, GVHD and Behcet’s disease
- Treatment includes serial dilations, topical and/or systemic steroids. Recurrence has been described despite topical steroid therapy with requirement of additional dilations. Successful use of immunomodulators such as cyclosporine and mycophenolate has been reported.

REFERENCES

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