

U.S. Department of Veterans Affairs

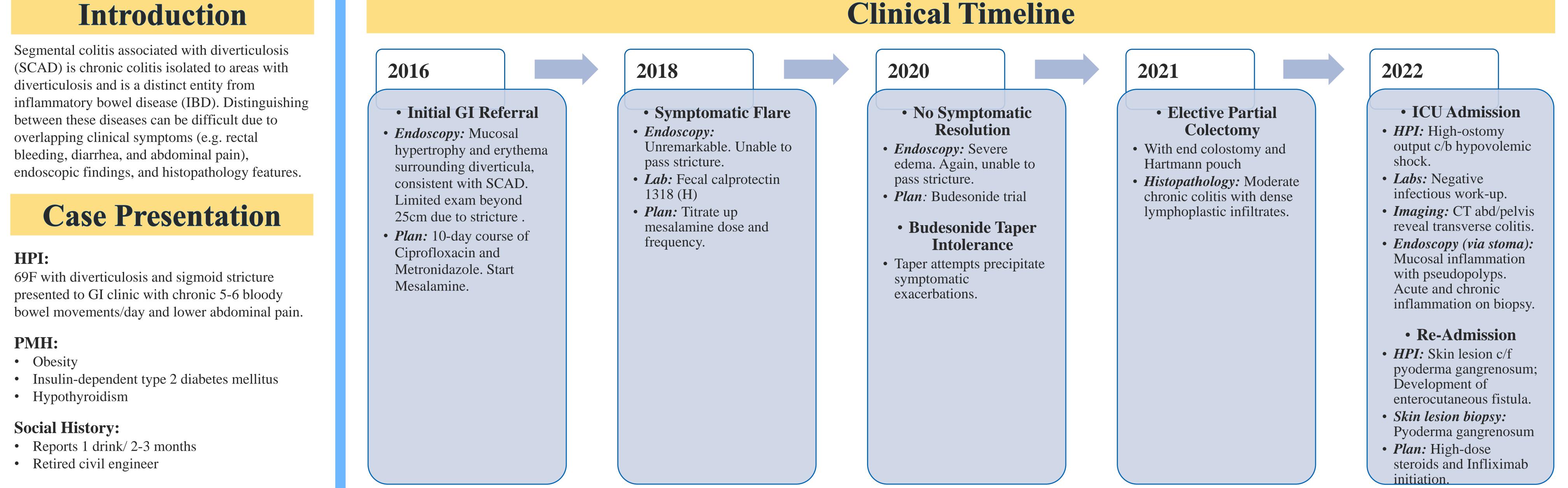
Veterans Health Administration

VA Portland Health Care System

A Curious Case of Colitis

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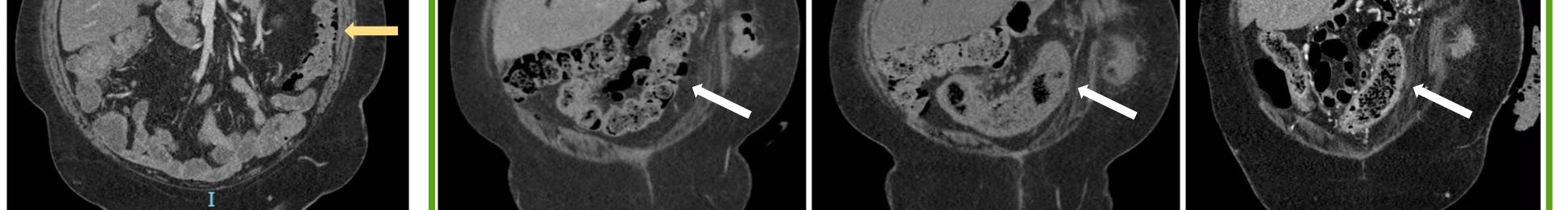


Pyoderma Gangrenosum Progression









2020: Prior to Resection

Unremarkable with exception of diffuse colonic diverticulosis (indicated by yellow arrow). No findings supportive of IBD.

2022: Pre-ICU Admit ICU Admit (2 mo) **Re-Admit (3 mo)** Timespan of 3 months demonstrates progression of wall thickening and loss of haustration involving the transverse colon as indicated by the white arrows.



2022: Discharge from ICU Scattered ulcers believed to be skin breakdown from ostomy bag leak due to increased ostomy output.



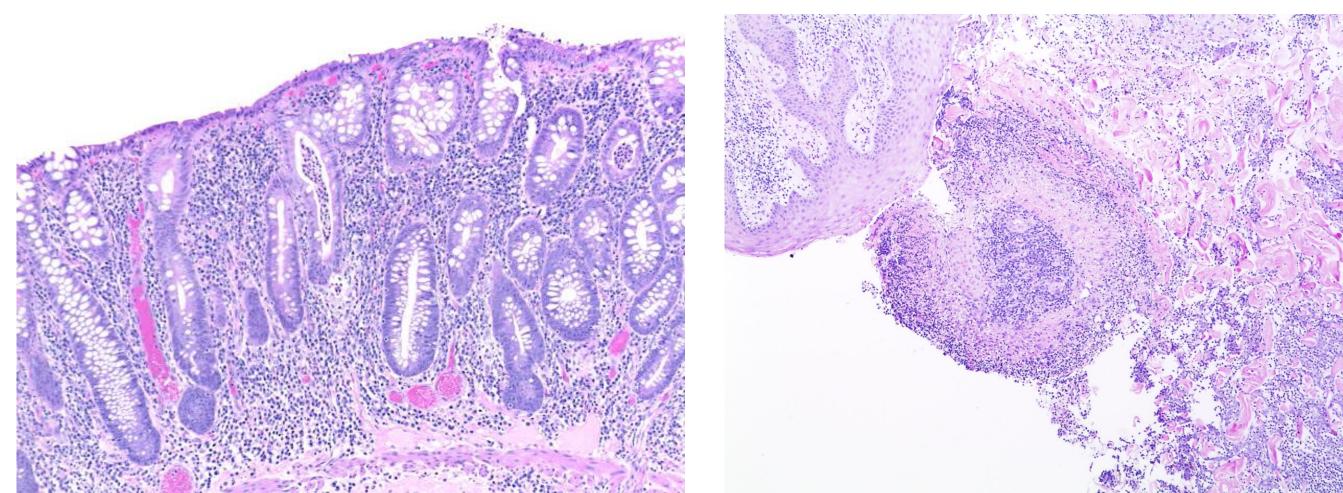
Re-Admit (2 wks)

Presented for a nursing visit for ostomy management with 20cm shallow ulcer with red granulation tissue base, fibrin rim, and undermined pink-purple violaceous border.



Post-Discharge (4 mo) Months following high-dose steroids and regularly scheduled infliximab infusions, wound edges have granulated well, and overall size has decreased.

Histology



Discussion

- This patient's case raised the question of whether she was misdiagnosed with SCAD or whether her SCAD evolved into IBD.
- **Debate 1:** SCAD is an independent clinical entity from IBD. SCAD has isolated inflammation to areas of diverticula, a benign natural course with low relapse rate, and low likelihood of requiring maintenance therapy.
- **Debate 2:** SCAD is on the IBD spectrum. SCAD shares similar IBD inflammatory pathophysiology caused by mucosal prolapse, disturbed flora, and increased

Teaching Points

- SCAD and IBD may have many overlapping clinical presentations but are distinct entities.
- Patients who develop of IBD-associated extra-intestinal symptoms (e.g. pyoderma gangrenosum) strongly suggests an

Resected Rectosigmoid Colon Colon mucosa exhibits features of moderately active chronic colitis, including increased lymphoplasmacytic lamina propria inflammation, crypt architectural distortion, truncation and neutrophilic crypt abscesses.

Special thank you to Eric Goranson, MD for histology reading and images.

Abdominal Skin Ulcer Biopsy Peristomal ulcer border biopsy reveals characteristics of pyoderma gangrenosum including focal necrotizing small-to-medium vessel vasculitis, basophilic degeneration, and prominent dermal acute and chronic inflammation. Special thank you to Kristin Shaw, MD for histology reading and images.

exposure to toxins and antigens.

No definitive clinical symptom, endoscopic lesion, or histopathology feature throughout this case differentiated IBD from SCAD until her development of pyoderma gangrenosum.

Pyoderma gangrenosum is a common cutaneous IBD extra-intestinal symptom due to cross-reacting antigens between bowel and skin.

Given that pyoderma is *not* correlated with inflammation severity, her case may support SCAD and IBD as distinct entities.





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