

# A Slippery Slope: Inflammatory Bowel Disease & Transitions in Care

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## Background

- Multiple studies have showed the benefits of timely access to care in Inflammatory Bowel Disease (IBD), and lapses or delays in care can result in serious complications.
- Military members and dependents with IBD are a unique population with frequent transitions in care due to work-related relocations (also known as a PCS).
- The following cases are illustrative of the potential adverse events associated with such transitions in care.

## Case Presentation

The following patients were incidentally identified during a retrospective cohort study.

- Three patients were identified who experienced delayed treatment with biologic therapy due to a PCS.
  - Two with Crohn's disease (CD) were unable to receive their scheduled infusions on time. Patient 1 and 2 were 22 days late and 4 months late, respectively, for their scheduled infusions.
  - Patient 1 required a course of oral corticosteroids to induce remission, while patient 2 required inpatient admission for intravenous (IV) corticosteroids, followed by a prolonged taper.
  - Patient 3 was unable to finish the induction phase of his biologic for treatment of ulcerative colitis (UC) after a delay in care of 32 days, and was subsequently admitted for acute severe UC, requiring IV steroids and ultimately undergoing a total colectomy.
- An additional two patients with CD were identified who experienced flares shortly after a PCS, ultimately requiring surgical intervention (ileocectomy; right colectomy, partial small bowel resection, washout, and an end ileostomy).

# When patients with IBD have an upcoming transition in care, a multidisciplinary and coordinated approach to treatment should be adopted to minimize the impact of these transitions in care.

Age	Sex	CD/UC	Medication	Delay Time	Outcome
24	Female	CD	Infliximab	22 days	Flare --> required oral steroid taper
17	Male	CD	Infliximab	4 months	Flare --> required admission for IV corticosteroids, prolonged steroid taper, ultimately switched to Adalimumab
43	Male	UC	Adalimumab	32 days	Flare --> Switched to Tofacitibib with minimal improvement --> Started on steroid taper. --> Admitted and started on Infliximab --> Total colectomy within 3 months
42	Female	CD	Infliximab	N/A	Flare --> Ex-lap, right colectomy, partial small bowel resection, washout, end ileostomy
40	Male	CD	Mesalamine	N/A	Flare --> Ileocectomy

## Discussion

- IBD is a complex disease, with recent research advocating early treatment with biologic medications.
- While these medications can be effective at inducing remission and improving patients' quality of life, patients may experience secondary loss of response due to anti-drug antibodies.
- One factor that may contribute to this is a missed or late dose. Notably, delays in refills of subcutaneous biologics by only 2 days have been associated with an increased risk of flare.
- Additionally, the patients discussed above contribute to the growing body of evidence that demonstrates psychological stress (commonly associated with work-related relocations) as a risk factor for relapsing IBD.
- When patients have an upcoming transition in care, a multidisciplinary and coordinated approach to treatment should be adopted to minimize the impact of these transitions in care.

## References

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