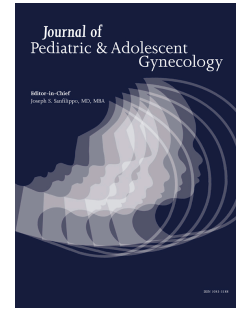


# Accepted Manuscript

Outcomes of Therapy for Vulvar Manifestation of Inflammatory Bowel Disease in Adolescents

Katherine E. Debiec, MD, Scott D. Lee, MD, Ghassan T. Wahbeh, MD, Anne-Marie Amies Oelschlager, MD



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## Outcomes of Therapy for Vulvar Manifestation of Inflammatory Bowel Disease in Adolescents

Katherine E. Debiec, MD, Scott D. Lee, MD, Ghassan T. Wahbeh, MD, Anne-Marie Amies  
Oelschlager, MD\*

**BACKGROUND:** Vulvar manifestations of inflammatory bowel disease (IBD) are variable in presentation and challenging to treat. We describe vulvar manifestations and treatment response in adolescent females with IBD.

**CASES:** We identified six patients with vulvar manifestations of IBD and documented treatments by retrospective chart review. Vulvar symptoms occurred without gastrointestinal (GI) symptoms in one patient. For the remaining five patients, two had GI symptoms prior to the onset of vulvar symptoms (mean time difference 4.5 years); three patients had vulvar symptoms precede the onset of GI symptoms (mean time difference 3.3 years). Vulvar IBD manifestations included pain 100% (n=6), enlargement, “fullness” or “edema” of the labia minora or majora 66% (n=4), ulcers 50% (n=3), and abscess 50% (n=3). Gynecologic procedures included biopsies, incision and drainages and partial vulvectomies. All patients were treated with multiple systemic therapies. None of the patients responded to surgical or medical treatment alone; all had recalcitrant vulvar symptoms.

**SUMMARY AND CONCLUSIONS:** Vulvar manifestations of IBD may precede GI symptoms in adolescents with IBD. Treatment is challenging and in this series, systemic therapies were the most successful in achieving symptomatic improvement.

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