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- a total proctocolectomy (TPC)
- post-IPAA are common
- for patients with IPAA remain unclear

Mount Natalia Schmidt¹, Yuying Luo², Barry Jaffin², Maia Kayal² Sinai ¹Department of Internal Medicine, Icahn School of Medicine at Mount Sinai, New York, New York, USA ²Dr Henry D. Janowitz Division of Gastroenterology, Icahn School of Medicine at Mount Sinai, New York, New York, USA BACKGROUND METHODS Ileal pouch-anal anastomosis (IPAA) is commonly performed **Design**: Retrospective qualitative chart review for patients with inflammatory bowel disease (IBD) requiring **Subjects:** UC or IBD unspecified adult patients who underwent TPC w/ IPAA for refractory disease or dysplasia between 2008 and 2018 Emerging data suggests functional and evacuation disorders who followed at one tertiary academic center • Study included 19 patients (52.6% males) with an average age of The utility and role of anorectal manometry and biofeedback 38.5 ± 14.5 years (standard deviation, SD) at time of ARM, an average of 3.6 ± 2.1 years after the final stage of IPAA. **Data collection:** Demographics, clinical parameters, and outcomes OBJECTIVE collected. Of the 794 patients with IPAA, 19 patients completed anorectal manometry at five different centers To evaluate the role of ARM in diagnosing pouch evacuation disorders, and the efficacy of biofeedback

• The role of biofeedback in IPAA evacuatory disorders requires further investigation as well as validated criteria to assess improvement.

Table 1. Patient Characteristics and Anorectal Ma

		Age at	ΙΡΑΑ				RAIR		
Patient #	Sex	ARM	Revision?	Indication	BET	Defecography	present?	ARM Findings	Biofeedback Response
1	М	64	Yes	Incomplete evacuation	-	-	Yes	Hyposensitive pouch, inability to completely relax.	2 sessions, no improvement
2	М	43	No	Dyschezia	-	-	Yes	High resting tone. No paradoxical contraction during evacuation	Not explicitly recommended
3	F	58	No	Fecal incontinence	-	-	Absent	Hyposensitive pouch. Slight paradoxical contraction on evacuation	Completed, no improvement
4	F	56	No	Fecal incontinence	-	-	-	Low resting tone, squeeze and push. No paradoxical contraction	Not explicitly recommended
5	Μ	21	No	Incomplete evacuation	Abnormal	Abnormal	Yes	Hypertonic sphincter. No paradoxical contraction during evacuation	Completed, significant improvement
6	F	36	Yes	Incomplete evacuation	-	-	Yes	Abnormal sensation. No paradoxical contraction during evacuation	Not explicitly recommended
7	Μ	32	No	Dyschezia	-	-	Absent	Spontaneous spasms of puborectalis. Paradoxical contraction during evacuation	Not explicitly recommended
8	М	22	No	Incomplete evacuation	Normal	Normal	Yes	No paradoxical contraction during evacuation	Not explicitly recommended
9	F	39	Yes	Dyschezia	Abnormal	-	Yes	No paradoxical contraction during evacuation	Completed, incomplete relief
10	F	63	No	Diarrhea	Normal	-	Yes	No paradoxical contraction during evacuation	Not explicitly recommended
11	Μ	32	Yes	Diarrhea	Abnormal	Normal	Yes	Paradoxical contraction during evacuation	Not explicitly recommended
12	М	20	Yes	Incomplete evacuation	-	-	Yes	Hyposensitive rectum. No paradoxical contraction during evacuation	Not explicitly recommended
13	F	35	No	Dyschezia	Normal	Normal	Yes	No paradoxical contraction during evacuation	Completed, incomplete relief
14	М	41	Yes	Diarrhea	Abnormal	-	Yes	Paradoxical contraction during evacuation	Not explicitly recommended
15	F	43	No	Incomplete evacuation	-	Abnormal	Yes	Mild paradoxical contraction evacuation	"Limited trial" with no improvement
16	F	23	Yes	Incomplete evacuation	-	Normal	Yes	Inadequate relaxation during evacuation	Recommended, not preformed
17	Μ	34	No	Incomplete evacuation	Abnormal	-	Absent	Paradoxical contraction during evacuation	Completed, significant improvement
18	Μ	19	No	Dyschezia	-	Abnormal	Yes	Hyposensitive rectum. Paradoxical contraction during evacuation	Recommended, not preformed
19	F	50	Yes	Incomplete evacuation	Abnormal	Normal	Absent	Paradoxical contraction during evacuation	5 sessions, with minimal improvement

Anorectal Manometry Protocols and Biofeedback Outcomes Vary for Patients with Ileal Pouch-Anal Anastomosis

CONCLUSIONS

• Consensus guidelines are needed for positioning of ARM and MRI defecography for evaluation of post-IPAA defecatory symptoms as well as for standardization of ARM protocol.

nometry	Findings

M, Male. F, Female. ARM, Anorectal Manometry. RAIR, Rectoanal Inhibitory Reflex. IPAA, Ileal Pouch-Anal Anastomosis. BET, balloon expulsion test.

- defecatory symptoms.

RESULTS

• The indications for completing ARM were incomplete defecation (47.4%), dyschezia (26.3%), diarrhea (15.8%), fecal incontinence (10.5%).

• 47.3% patients completed balloon expulsion tests (BET) at time of ARM (66.7% of which were abnormal).

• 26.3% of patients carried a diagnosis of pouchitis at the time of ARM (n=5). 52.6% patients were ultimately found to have pouchitis or mucosal changes on subsequent pouchoscopy (n=5) or structural etiologies on MRI defecography (n=5), which were thought to account for their

10 patients were recommended for biofeedback with mixed outcomes