



57	a paradigm shift toward minimally invasive, single-stage	106
58	repair without laparotomy [5]. TAPT has been associated	107
59	with reduced postoperative pain, faster recovery, shorter	108
60	hospital stays, improved cosmesis, and lower overall cost	109
61	compared with traditional multistage approaches [6,7].	110
62	Despite strong evidence supporting TAPT, its adoption	111
63	in low-resource environments is sometimes limited by the	112
64	unavailability of intraoperative frozen section analysis,	113
65	inconsistent access to pediatric anesthesia, and imaging	114
66	constraints. Frozen section services are often unavailable	115
67	due to the lack of cryostat equipment, trained histotech-	116
68	nologists, and on-site pathology support, as well as costs	117
69	related to equipment maintenance and specimen process-	
70	ing. In such contexts, surgeons must rely on careful intra-	
71	operative assessment of bowel caliber, wall thickness,	
72	peristalsis, and vascularity to identify the transition zone	
73	[8,9]. This study presents a series of eight children with	
74	rectosigmoid HD managed with single-stage TAPT, high-	
75	lighting operative decision-making, diagnostic challenges,	
76	and early outcomes in a resource-constrained setting.	
77	<b>Methods</b>	
78	<i>Study design and ethics</i>	118
79	This mixed prospective–retrospective study included	119
80	all children who underwent single-stage TAPT between	120
81	September 2024 and July 2025 at a tertiary referral hos-	121
82	pital. Ethical approval covered both retrospective chart	122
83	review and prospective follow-up. Written informed con-	123
84	sent was obtained from parents or legal guardians for par-	124
85	ticipation and publication.	
86	<i>Eligibility criteria</i>	
	<b>Inclusion criteria</b>	
87	1. Rectosigmoid HD confirmed by contrast enema and	
88	full-thickness rectal biopsy.	
89	2. Single-stage TAPT as primary surgical management.	
90	3. Minimum postoperative follow-up of 3 months.	
91	<b>Exclusion criteria</b>	
92	Long-segment HD, total colonic aganglionosis, prior	
93	colostomy, or incomplete medical records.	
94	<i>Preoperative management</i>	
95	All patients underwent standardized preoperative opti-	
96	mization, including twice-daily saline rectal irrigations,	
97	nutritional rehabilitation, intravenous ceftriaxone and	
98	metronidazole, analgesia, and correction of fluid and elec-	
99	trolyte abnormalities, in line with established pediatric	
100	surgical care principles [10]. Baseline laboratory inves-	
101	tigations and contrast enema imaging were used to assess	
102	bowel dilatation and identify the transition zone.	
103	<i>Surgical technique</i>	
104	A Soave-type TAPT was performed as originally described	
105	by De la Torre [5]. Perineal exposure was achieved using	
	a Lone Star retractor. A circumferential mucosal incision	106
	was made approximately 1 cm above the dentate line,	107
	followed by submucosal dissection to create a mucosal	108
	sleeve. Full-thickness mobilization proceeded proximally.	109
	In the absence of frozen section analysis, the transition	110
	zone was identified intraoperatively based on improve-	111
	ment in bowel caliber, thinning of the bowel wall, restora-	112
	tion of normal vascular pattern, and improved peristalsis.	113
	Resection was continued proximally until clearly healthy,	114
	ganglionated bowel was reached, ensuring a tension-free	115
	pull-through. A coloanal anastomosis was performed	116
	using absorbable sutures.	117
	<i>Postoperative follow-up</i>	118
	Patients were reviewed at 1 week, 1 month, 3 months,	119
	and 6 months postoperatively. Follow-up assessments	120
	included stool frequency, continence status (clinical	121
	assessment and parental reporting), HAEC episodes,	122
	anastomotic complications, weight progression, and car-	123
	egiver-reported quality-of-life indicators.	124
	<b>Results</b>	125
	<i>Demographics and clinical features</i>	126
	Eight children (5 males, 3 females) aged 2.5 to 9 years	127
	were included. All presented with long-standing constipa-	128
	tion and recurrent abdominal distension. Contrast enema	129
	demonstrated a rectosigmoid transition zone in every	130
	patient.	131
	<i>Perioperative outcomes</i>	132
	The median length of resected bowel was 20 cm (range,	133
	9–40 cm). Time to first postoperative stool ranged from 24	134
	to 48 hours. One patient (12.5%) developed mild HAEC,	135
	which resolved with antibiotics and rectal irrigations. No	136
	anastomotic leaks, strictures, or reoperations occurred.	137
	Median hospital stay was 5 days.	138
	<b>Functional outcomes</b>	139
	At a median follow-up of 4 months (range 3–6 months),	140
	all patients passed 1–2 soft stools daily. Continence was	141
	age-appropriate in all children, with no episodes of soiling	142
	reported. All patients demonstrated clinical improvement	143
	in weight and nutritional status, and none had persistent	144
	constipation.	145
	<b>Case Presentations</b>	146
	<i>Case 1</i>	147
	A 5-year-old girl presented with a two-year history of pro-	148
	gressive abdominal distension and refractory constipation	149
	requiring frequent enemas. Plain abdominal radiography	150
	demonstrated grossly dilated bowel loops with multiple	151
	air–fluid levels. Contrast enema revealed a narrowed rec-	152
	tum with a rectosigmoid transition zone and markedly	153
	dilated proximal colon (Figure 1A and B). Full-thickness	154
	rectal biopsy confirmed aganglionosis.	155

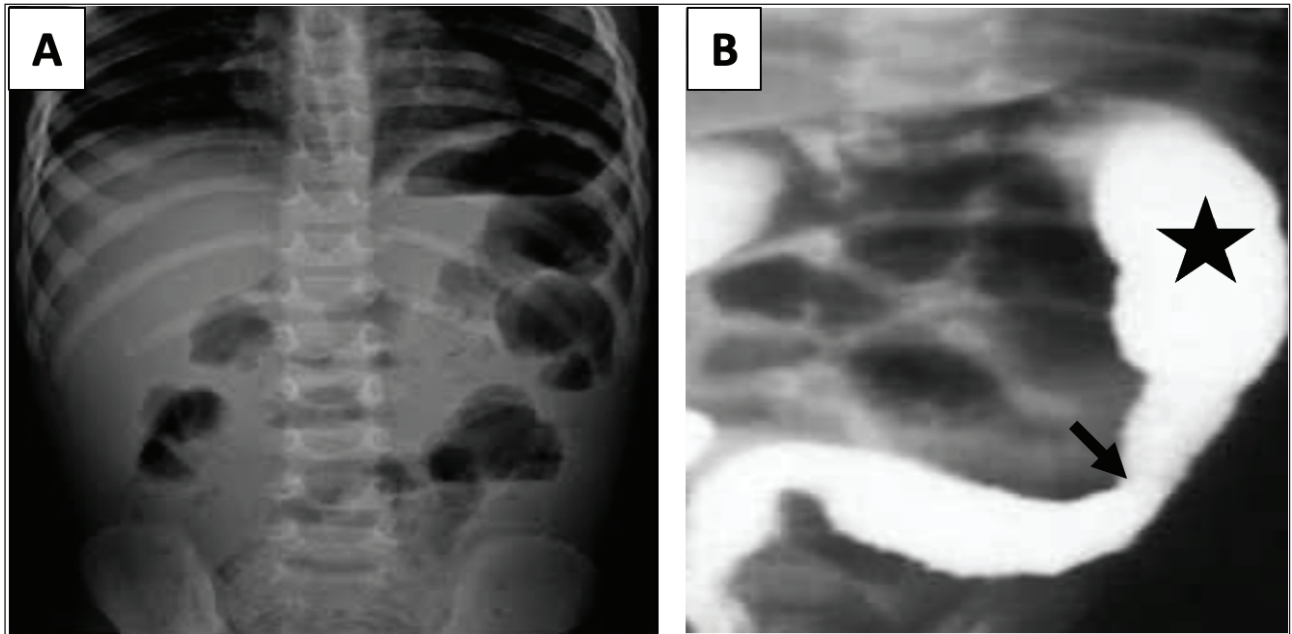
156 Perineal exposure was achieved using a Lone Star  
157 retractor, facilitating safe transanal dissection (Figure 2).  
158 Single-stage TAPT was performed with resection of  
159 40 cm of aganglionic bowel followed by coloanal anas-  
160 tomosis. She passed stool within 36 hours, tolerated feeds  
161 on postoperative day 2, and was discharged on day 5. At

3-month follow-up, she passed 1–2 formed stools daily  
without soiling or HAEC.

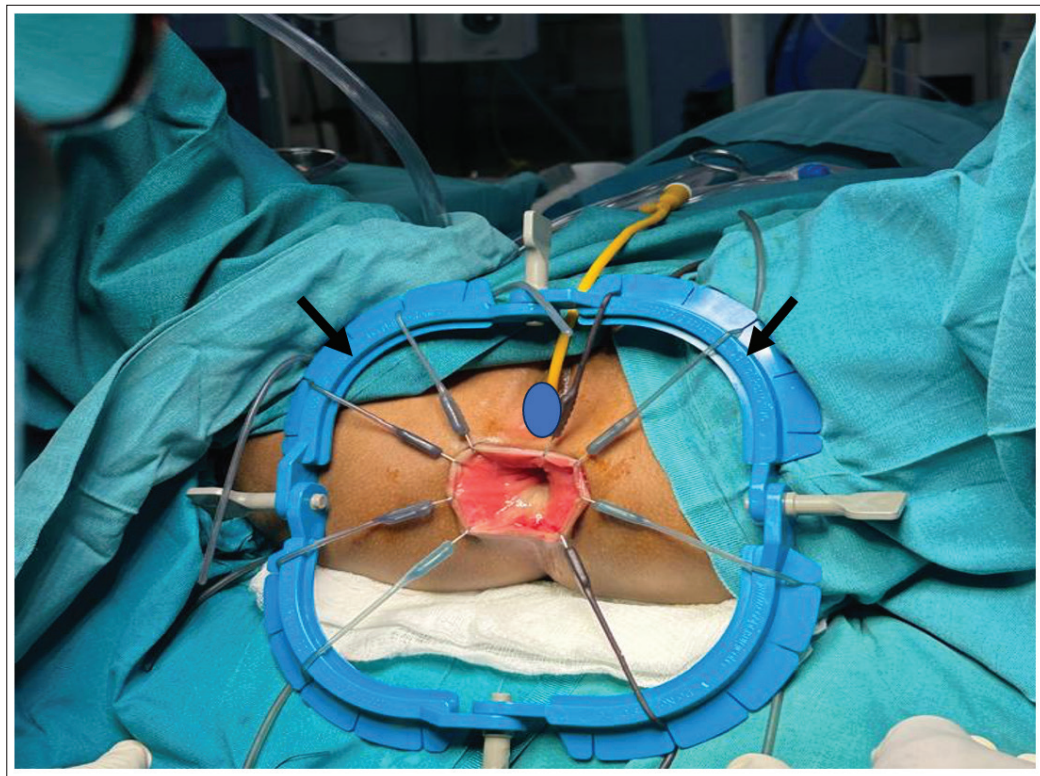
### Case 2

A 3-year-old boy presented with abdominal disten-  
sion, poor growth, and recurrent vomiting. Imaging

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**Figure 1.** (A) Plain abdominal radiograph demonstrates grossly dilated bowel loops with multiple air-fluid levels, highly suggestive of distal intestinal obstruction. Contrast (barium) enema outlines a rectosigmoid transition zone (black arrow) with markedly dilated proximal bowel (black star).



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**Figure 2.** The Lone Star retractor was strategically applied to provide optimal exposure of the anal canal (black arrows), thereby facilitating clear visualization and enabling a meticulous, safe, and controlled transanal dissection with minimal tissue handling and improved precision.

175 demonstrated proximal colonic dilatation with a narrow  
 176 rectosigmoid segment. Full-thickness rectal biopsy con-  
 177 firmed Hirschsprung disease. TAPT was performed un-  
 178 ventfully, with 18 cm of bowel resected (Figure 3).

179 The patient resumed stooling within 30 hours and oral  
 180 feeding by postoperative day three. At four-month fol-  
 181 low-up, he passed soft stools twice daily with normal con-  
 182 tinence and no episodes of HAEC.

183 **Case 3**

184 A 9-year-old boy with longstanding constipation, failure  
 185 to thrive, and megacolon on imaging underwent bowel  
 186 optimization prior to surgery. TAPT was performed with  
 187 resection of approximately 22 cm of diseased bowel, fol-  
 188 lowed by coloanal anastomosis approximately 2.5 cm  
 189 above the dentate line (Figure 4A and B).

190 He passed stool on postoperative day two and demon-  
 191 strated significant weight gain during follow-up. At 4  
 192 months, continence was normal, and nutritional status had  
 193 markedly improved.

194 **Case 4**

195 A 2.5-year-old girl presented with chronic constipation  
 196 requiring repeated enemas. Contrast enema demonstrated  
 197 a distinct rectosigmoid transition zone (Figure 5). TAPT  
 198 was performed with resection of 20 cm of aganglionic  
 199 bowel.

200 She passed stool within 24 hours postoperatively and  
 201 had an uncomplicated recovery. At the 3-month follow-up,  
 202 she had no abdominal distension, constipation, or HAEC.

**Case 5**

A 7-year-old boy presented with severe constipation  
 affecting school performance and psychosocial well-be-  
 ing. Imaging confirmed rectosigmoid Hirschsprung dis-  
 ease. TAPT was performed with resection of 16 cm of  
 bowel and coloanal anastomosis (Figure 6).

He resumed bowel movements within 28 hours and  
 was discharged on postoperative day four. At follow-up,  
 stool frequency normalized, continence was preserved,  
 and quality of life improved substantially.

**Case 6**

A 4-year-old boy presented with recurrent abdominal  
 distension and poor appetite. TAPT was performed with  
 resection of 9 cm of aganglionic bowel. Postoperatively,  
 he developed mild HAEC on day four, presenting with  
 fever and foul-smelling diarrhea. This resolved with intra-  
 venous antibiotics and rectal irrigations.

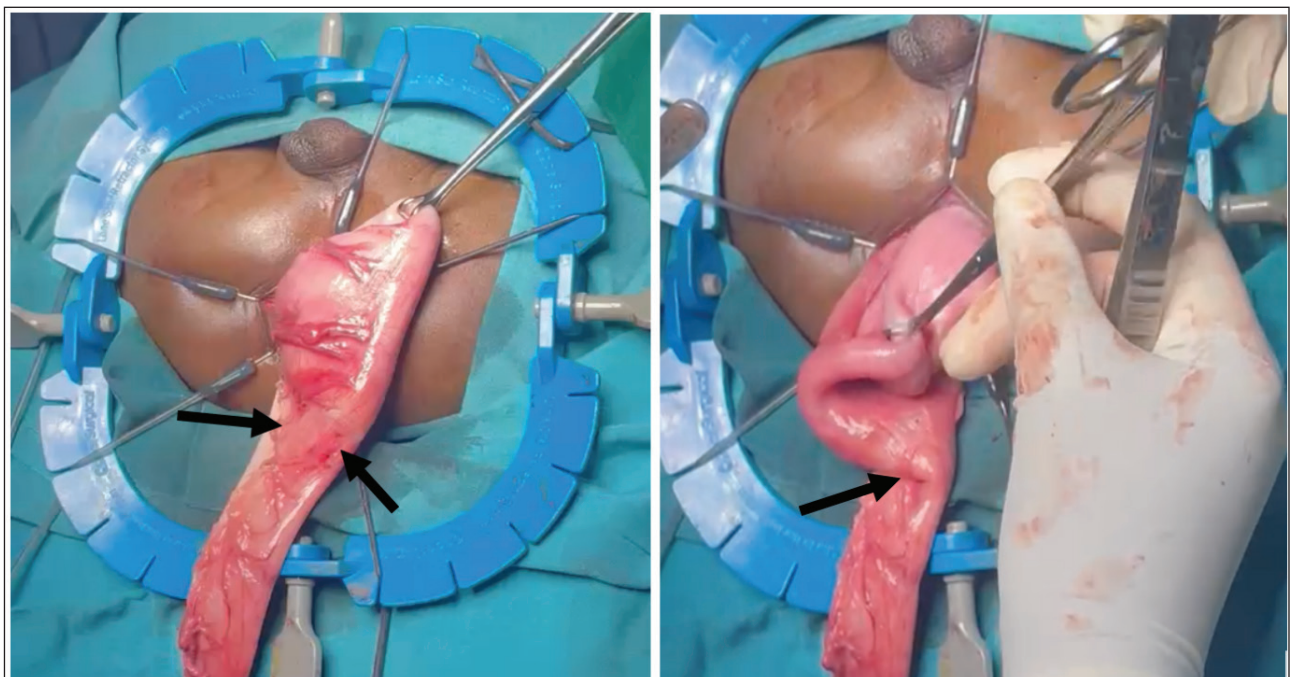
At 4-month follow-up, he maintained normal bowel  
 habits with no recurrent enterocolitis.

**Case 7**

A 5-year-old girl presented with a three-year history of  
 constipation, abdominal bloating, and recurrent emer-  
 gency visits. Contrast enema suggested a rectosigmoid  
 transition zone (Figure 7). TAPT was performed with  
 resection of 32 cm of bowel.

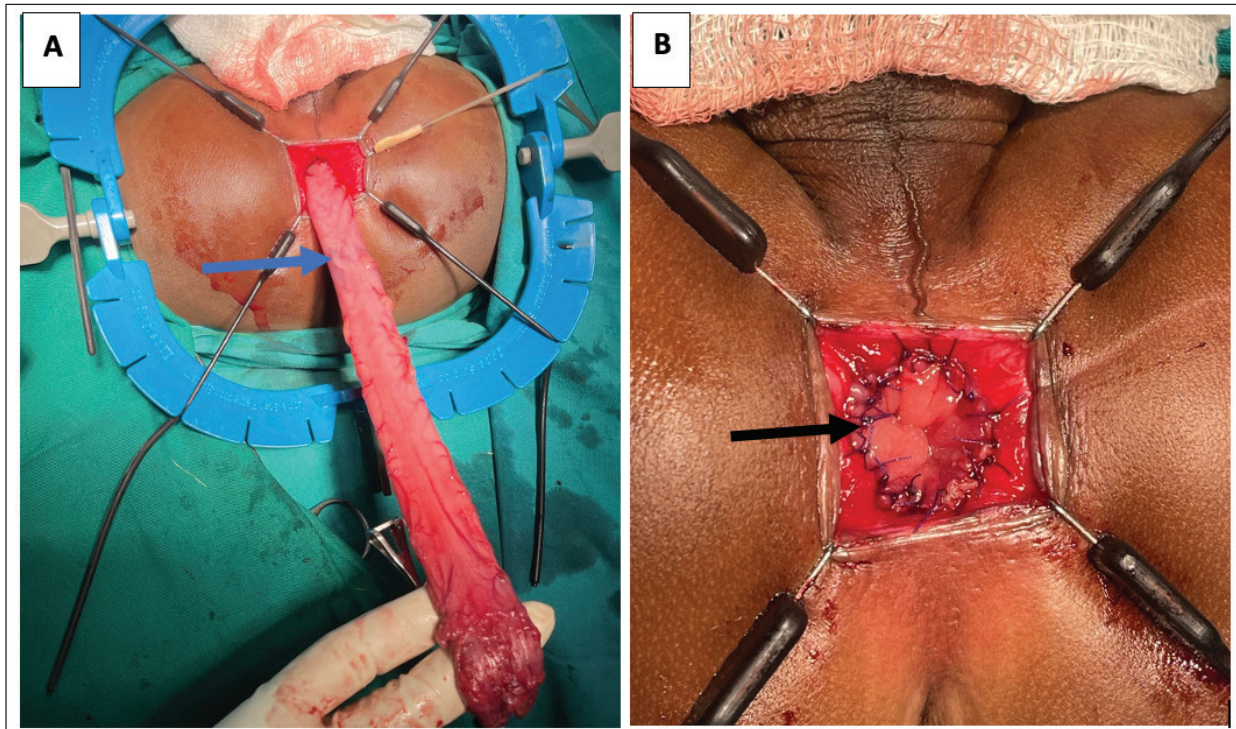
She passed stool within 24 hours and had an uncom-  
 plicated postoperative course. At 3 months, she passed 1  
 to 2 soft stools daily, with improved appetite and normal  
 continence.

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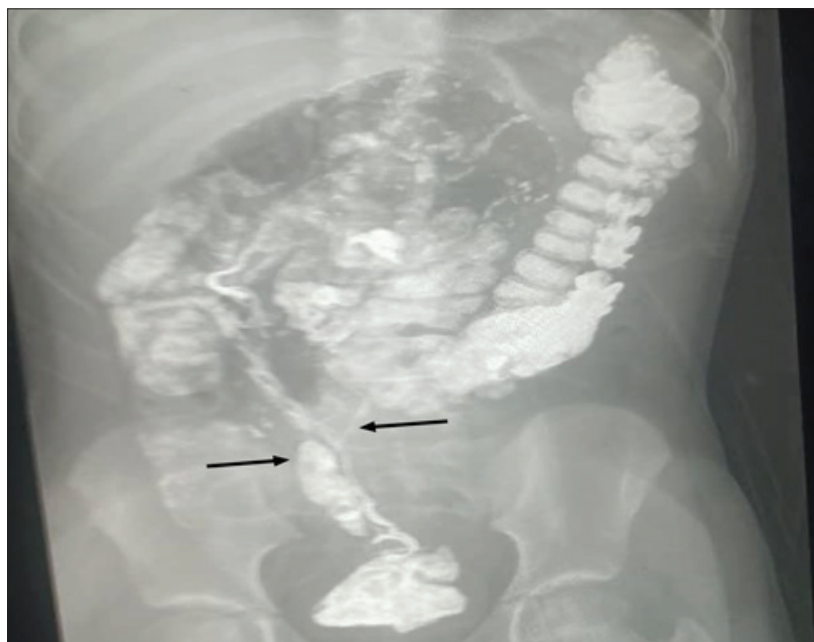


**Figure 3.** Illustrating a successful mucosectomy, followed by submucosal and muscular dissection to mobilize the rectosigmoid colon. Gross inspection and tapering of the transition segment (black arrows) guided the resection margin in the absence of frozen section capability

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237 **Figure 4.** (A) illustrates the transanal pull-through extended up to the sigmoid colon, guided by the transition zone to ensure healthy  
238 ganglionated bowel (blue arrow). The aganglionic segment was resected, followed by a coloanal anastomosis (black arrow).



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240 **Figure 5.** Contrast enema demonstrates a distinct transition zone at the rectosigmoid colon (black arrows), with contrast freely advancing  
241 into the dilated proximal colon, highlighting the narrowed aganglionic segment and assisting in diagnosis and preoperative surgical  
242 planning.

### 243 **Case 8**

244 A 7-year-old boy presented with chronic constipation,  
245 recurrent fecal impaction, and frequent school absen-  
246 teeism. Radiologic evaluation confirmed rectosigmoid  
247 Hirschsprung disease (Figure 8). TAPT was performed  
248 with resection of 36 cm of bowel.

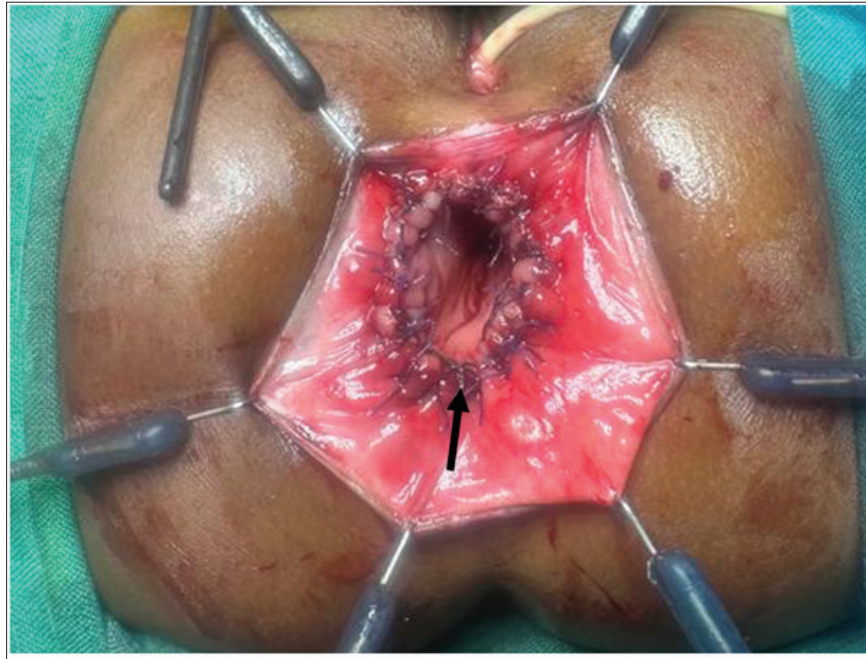
249 He resumed bowel movements within 30 hours and  
250 tolerated oral intake well. At 4-month follow-up, stooling

was consistent, continence was excellent, and psychoso-  
cial functioning improved significantly.

### **Pathologic findings**

Histopathology confirmed aganglionosis with hyper-  
trophic nerve bundles in all resected segments. All proxi-  
mal margins contained normal ganglion cells (Figure 9A,  
B).

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**Figure 6.** Transanal pull-through with coloanal anastomosis. The mobilized bowel was gently delivered through the anal canal and anastomosed to the anoderm using interrupted absorbable sutures (black arrow), ensuring mucosal apposition and tension-free repair.



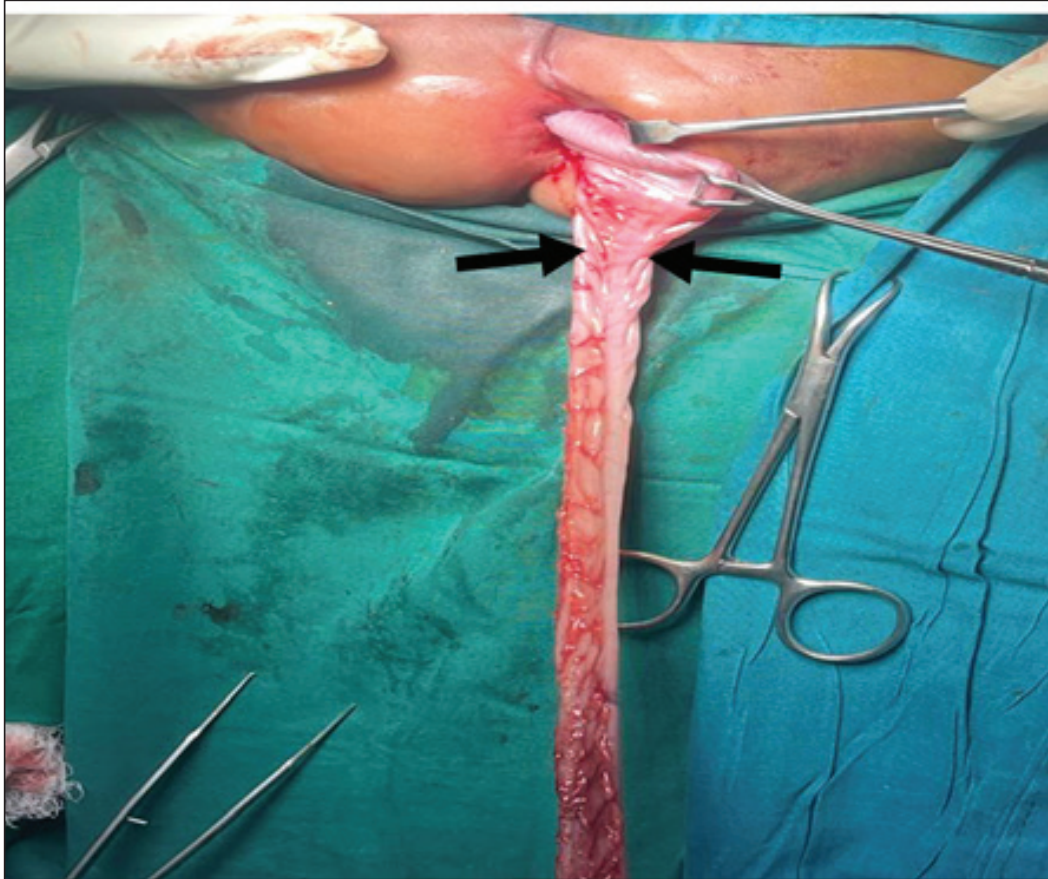
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**Figure 7.** Contrast enema demonstrates a distinct transition zone at the sigmoid colon (black arrow), with proximal bowel dilation, raising strong suspicion for Hirschsprung's disease and providing crucial radiologic guidance for surgical planning and confirmation of the affected segment.

## 267 Discussion

268 This series demonstrates that single-stage TAPT is safe  
269 and effective for rectosigmoid HD in resource-limited set-  
270 tings, even in the context of late presentation and absence  
271 of frozen section analysis. Delayed diagnosis observed in  
272 this cohort mirrors reports from similar regions, where  
273 limited pediatric surgical expertise and diagnostic infra-  
274 structure remain significant challenges [1,3,6].

Early functional outcomes in this study are compara- 275  
ble to international reports supporting TAPT as a reliable 276  
alternative to staged procedures [6-8]. Despite the lack 277  
of intraoperative pathology, all patients achieved satis- 278  
factory outcomes, reinforcing evidence that meticulous 279  
intraoperative assessment of bowel characteristics can 280  
reliably guide resection [9-11]. Concerns regarding resid- 281  
ual aganglionosis remain valid; however, careful surgical 282

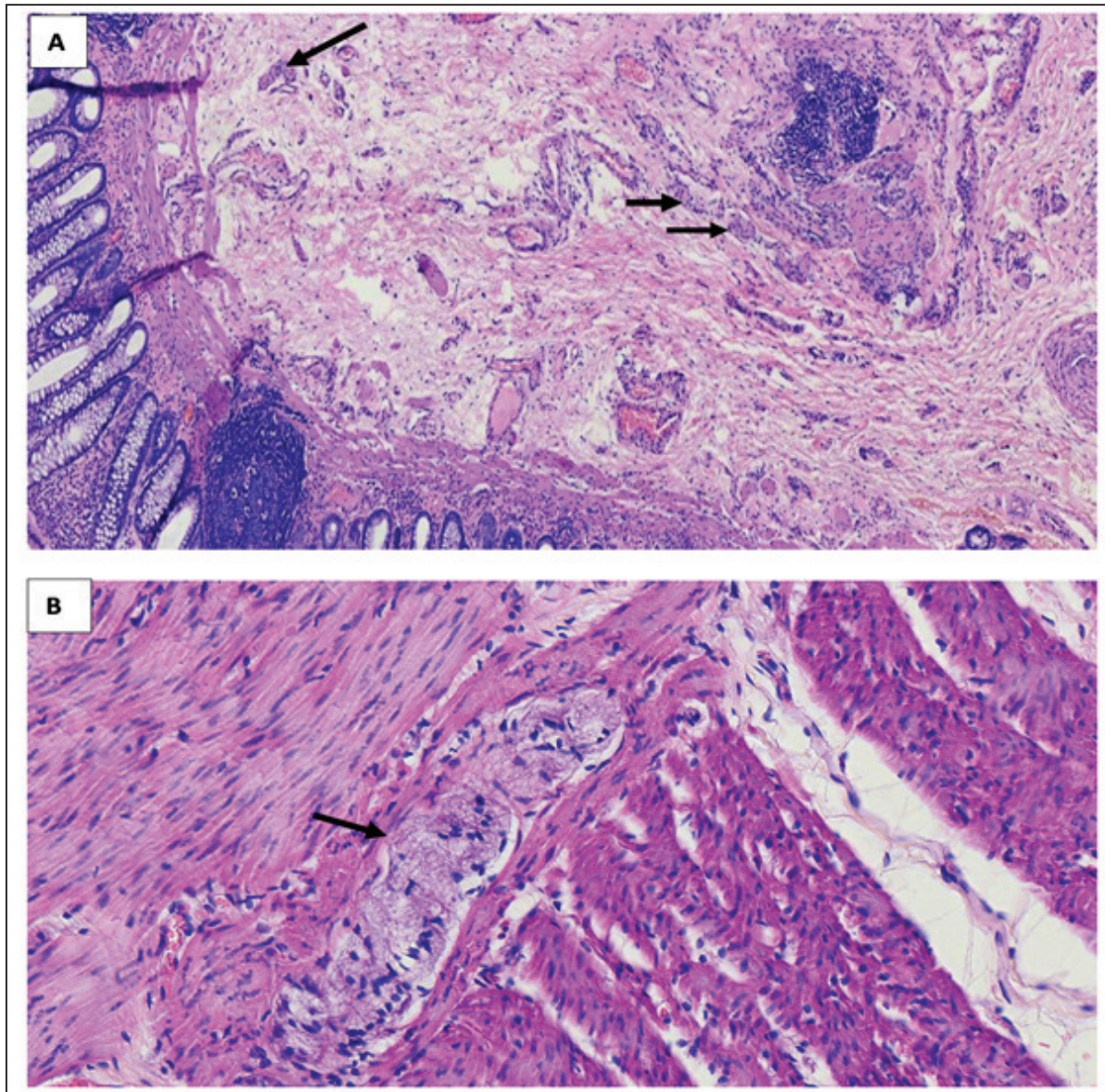


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**Figure 8.** Illustrates the diseased segment of the rectum and sigmoid colon with a distinct transition zone (black arrows). The aganglionic segment was carefully resected, and a transanal pull-through was completed up to the proximal sigmoid to ensure healthy bowel margins.

**Table 1.** Summary of patient characteristics and surgical outcomes following transanal endorectal pull-through (TAPT).

VARIABLE	RESULT
Number of patients (N)	8
Sex distribution (Male : Female)	5: 3
Age at surgery (years)	2.5–9 years
Type of Hirschsprung disease	Rectosigmoid aganglionosis (100%)
Common presenting symptoms	Chronic constipation and abdominal distension (100%)
Diagnostic modalities	Contrast enema and full-thickness rectal biopsy
Preoperative optimization	Rectal irrigations, nutritional rehabilitation, IV antibiotics, fluid–electrolyte correction
Surgical approach	Single-stage transanal endorectal pull-through (Soave-type)
Intraoperative frozen section	Not available
Median length of resected bowel (cm)	20 cm (range: 9–40 cm)
Intraoperative complications	None
Time to first postoperative stool	24–48 hours
Median length of hospital stay	5 days
Hirschsprung-associated enterocolitis (HAEC)	1 patient (12.5%), mild, treated conservatively
Anastomotic leak	0
Anastomotic stricture	0
Fecal incontinence	0
Stool frequency at follow-up	1–2 soft stools/day
Continence at 3–6 months	Normal continence in all patients (100%)
Nutritional outcome	Improved weight gain in all patients
Follow-up duration	3–6 months



**Figure 9.** Hematoxylin and Eosin-stained sections of aganglionic rectal segment: A & B show aganglionic rectal segment in a child with Hirschsprung disease, ganglion cells are absent, and hypertrophic nerves are identified in submucosal and myenteric plexus, as indicated by black arrows (A x100 magnification, B x400 magnifications).

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291 judgment and postoperative histopathologic confirmation  
292 mitigated this risk in our series Table 1.

293 The observed HAEC rate of 12.5% aligns with globally  
294 reported rates ranging from 10% to 20% [12]. Notably, no  
295 anastomotic strictures, leaks, or fecal incontinence were  
296 encountered, consistent with outcomes reported in older  
297 children undergoing TAPT [13-15]. Beyond clinical out-  
298 comes, several patients demonstrated marked psychosocial  
299 improvement, including improved school attendance,  
300 appetite, and social confidence, which are particularly  
301 meaningful in low-resource environments.

302 **Limitations**

303 The small sample size limits generalizability and pre-  
304 cluded subgroup analysis based on age or severity of  
305 megacolon. Follow-up was limited to six months, pre-  
306 venting assessment of long-term continence outcomes.

The single-center design may introduce selection bias.  
Objective continence scoring systems were not used, rely-  
ing instead on clinical assessment and parental reporting.

**Conclusion**

Single-stage TAPT is a safe, effective, and feasible  
approach for managing rectosigmoid Hirschsprung disease  
in resource-limited settings. Despite delayed presentation  
and absence of frozen section support, excellent early func-  
tional outcomes with minimal morbidity were achieved.  
TAPT should be considered the preferred first-line surgical  
option in similar environments, with future studies focus-  
ing on long-term functional and quality-of-life outcomes.

**Process guideline**

This case series has been reported in accordance with the  
PROCESS 2025 criteria [16].

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<b>322</b>	<b>What is new?</b>		<b>376</b>
<b>323</b>	Hirschsprung's disease (HD) is a congenital absence of enteric ganglion cells in the distal bowel, causing obstruction and proximal dilation. While usually detected in the neonatal period, delayed presentation is common in resource-limited settings due to poor awareness and limited diagnostics.		<b>377</b>
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<b>327</b>			<b>381</b>
<b>328</b>	Traditional staged surgery with colostomy increases complications and caregiver burden. The transanal endorectal pull-through (TAPT) offers a single-stage, minimally invasive option that avoids colostomy and laparotomy, though concerns remain in low-resource environments lacking frozen section, imaging, and pediatric anesthesia support. This manuscript presents eight children with rectosigmoid HD managed with single-stage TAPT, demonstrating reliable transition-zone identification without frozen section and good early functional outcomes. The findings show that TAPT is safe, feasible, and effective even in constrained settings.		<b>382</b>
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<b>339</b>	<b>Acknowledgments</b>		<b>393</b>
<b>340</b>	We would like to express our sincere appreciation to the pediatric surgery team at Muhimbili National Hospital for their unwavering support throughout the management of these cases. We are especially grateful to the visiting pediatric surgeons and pediatric anesthesiologists whose expertise, guidance, and collaborative decision-making significantly strengthened both the perioperative and post-operative care of our patients.		<b>394</b>
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<b>348</b>	Our gratitude also extends to the nursing staff, anesthetic officers, radiology department, and pathology team, whose dedication and teamwork were essential in ensuring timely diagnosis, smooth operative workflow, and high-quality perioperative care despite the limitations of our setting. We acknowledge the invaluable cooperation of the patients and their families, whose trust and commitment made this work possible.		<b>402</b>
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<b>356</b>	<b>List of Abbreviations</b>		<b>410</b>
<b>357</b>	HAEC Hirschsprung-associated enterocolitis		<b>411</b>
<b>358</b>	HD Hirschsprung's disease		<b>412</b>
<b>359</b>	IV Intravenous		<b>413</b>
<b>360</b>	TAPT Transanal endorectal pull-through		<b>414</b>
<b>361</b>	<b>Ethical Approval</b>		<b>415</b>
<b>362</b>	Ethical approval for this study was granted by the institutional Review Ethical Committee. All procedures performed were in accordance with institutional and national research ethics standards.		<b>416</b>
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<b>366</b>	<b>Patient consent</b>		<b>420</b>
<b>367</b>	Written informed consent was obtained from the parents/legal guardians of all pediatric patients included in this case series. Copies of the consent forms are available for review by the Editor-in-Chief of this journal on request.		<b>421</b>
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<b>369</b>			<b>423</b>
<b>370</b>			<b>424</b>
<b>371</b>	<b>Funding</b>		<b>425</b>
<b>372</b>	None.		<b>426</b>
<b>373</b>	<b>Conflict of interest</b>		<b>427</b>
<b>374</b>	The authors declare that they have no conflict of interest regarding the publication of this article.		<b>428</b>
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441	9.	Rintala RJ, Pakarinen MP. Long-term outcomes of Hirschsprung's disease. <i>Semin Pediatr Surg.</i> 2012;21(4):336–43. <a href="https://doi.org/10.1053/j.sempedsurg.2012.07.008">https://doi.org/10.1053/j.sempedsurg.2012.07.008</a>	Hirschsprung-associated enterocolitis. <i>J Pediatr Surg.</i> 2009;44(1):206–12.	454
442				455
443			13. Lal P, Agarwal PN, Malik VK, Khurana N, Puri P. Transanal pull-through for Hirschsprung disease in older children. <i>Pediatr Surg Int.</i> 2007;23:119–23.	456
444				457
445	10.	Holschneider AM, Puri P, Homsy YL, Langer JC, Teitelbaum DH, Georgeson KE, et al. Hirschsprung's disease and allied disorders—clinical management. <i>Pediatr Surg Int.</i> 2007;23(2):97–107.	14. Moore SW, Zaahl M, Numanoglu A, Rode H. Hirschsprung disease in Africa. <i>Pediatr Surg Int.</i> 2008;24(10):1027–30.	458
446				459
447			15. Nasr A, Langer JC. Transanal pull-through for Hirschsprung disease: systematic review and meta-analysis. <i>J Pediatr Surg.</i> 2014;49(1):142–8.	460
448				461
449	11.	Teitelbaum DH, Qualman SJ, Caniano DA. Transition zone pathology in Hirschsprung disease. <i>J Pediatr Surg.</i> 2005;40(1):85–92.	16. Agha RA, Mathew G, Rashid R, Franchi T, Rosin D, Albrecht J, et al. The PROCESS 2025 guideline: updated reporting standards for case series in surgery. <i>Premier J Sci.</i> 2025;10:100080.	462
450				463
451				464
452	12.	Pastor AC, Osman F, Teitelbaum DH, Langer JC, Brandt ML, Holschneider AM, et al. Development of		465
453				466
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