STANDARD TREATMENT WORKFLOW (STW)

Constipation

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Standard Treatment Workflow (STW) CONSTIPATION

ICD 10- K59.0

WHAT IS CONSTIPATION?

- Decreased frequency of bowel motions(<3 per week)
- Passage of hard or large stools
- Painful bowel motions with difficulty in pushing out

CONSTIPATION IN < 1YEAR OLDS.

- · Not passing stools with abdominal distension
- · Associated vomiting
- Absent or ectopic anal opening
- Changes in infant formula, weaning, insufficient fluid intake

CONSTIPATION IN CHILD OLDER THAN 1 YEAR

- · Starts after a few weeks of life
- · Bottle fed or change of diet
- · Fissures, timing of potty/toilet training
- Generally weight and height within normal limits
 History of poor fibre diet and/or insufficient fluid
 inteller.

RED FLAG SIGNS

- Constipation reported from birth of first few weeks of life
- Failure to pass meconium/delay (more than 48 hours after birth in term baby)
 All abnormal location or calibre of anal
- · 'Ribbon stools' (more likely in <1 year
- Previously unknown/undiagnosed weakness in legs, locomotor delay, signs of hypothyroidism
- · Abdominal distension with vomiting



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CONSTIPATION IN CHILD OLDER THAN 1 YEAR

- Starts after a few weeks of life
 Bottle fed or change of diet

Previous or current anal fissure

Fissures, timing of potty/toilet training
 Generally weight and height within normal limits
 History of poor fibre diet and/or insufficient fluid intake

RED FLAG SIGNS

- Failure to pass meconium/delay (more than 48 hours after birth in term baby)

- weakness in legs, locomotor delay signs of hypothyroidism

		intake	- Abdominal	distension with vomiting	
		BRISTOL STOOL FORM SCAL	E		
•30%	Туре 1	Separate hard lumps.		Severe constipation	
Type 2		Lumpy and sausage like		Mild constipation	
		A sausage shape with cracks in the surface		Normal	
Type 3 Type 4 Type 5		Like a smooth, soft sausage or snake		Normal	
44	Type 5	Soft blobs with clear-cut edge	es	Lacking Fibre	
- Carrier	Type 6	Mushy consistency with ragged	edges	Mild diarrhea	
	Type 7	Liquid consistency with no soild pieces		Severe diarrhea	
		HISTORY			
KEY COMPONENT		LESS THAN 1 YEAR		MORE THAN 1 YEAR	
		Fewer than three complete stools per week (Type 3 or 4) (Exclude exclusively breast fed babies older than 6 months)		Fewer than three complete stools per week (Type 3 or 4) Overflow soiling (Loose, Smelly), Thick, Sticky or Dry	
STOOL PATTERNS		Hard Large Stools		Rabbit Droppings(Type 1)	
SIUUL PAITEKNS		Rabbit Droppings(Type 1)		Large infrequent stools that can block toilet	
		Distress on stooling (Bleeding, Straining)		Poor appetite improves with passage of stools	
SYMPTOMS ASSOCIAT		Previous episode of constipation		Waxing and waning of abdominal pain with passage of stools	
			Company of the Compan		

PHYSICAL EXAMINATION						
	IDIOPATHIC CONSTIPATION	PATHOLOGICAL DISEASE				
INSPECTION OF PERINEAL AREA	Normal	Abnormal- appearance, position, patency				
ABDOMINAL EXAMINATION	Soft, Fat or Distension can be explained because of age or excess fat	Gross distension				
SPINE/ LUMBOSACRAL/GLUTEAL	Normal appearance	Abnormal-asymmetry or flatenning, sacral agenesis, discoloured skin, naevi or sinus, hairy patch, lipoma, central pit				
LOWER LIMB NEUROMUSCULAR EXAMINATION	Normal gait, tone and strength	Deformity in lower limb such as talipes. Abnormal neuromuscular signs				
REFLEXES (WHEN RED FLAGS (+) IN HISTORY) OR NEW ONSET NEUROLOGICAL IMPAIRMENT	Reflexes present	Abnormal				
INVESTIGATIONS						

- Abdominal and rectal examination
- X-ray erect abdomen
- ·X-ray spine: AP and Lateral
- Anorectal manometry

Retentive posturing, straight legged, tiptoed, anal

MEDICAL MANAGEMENT

- Disimpaction of stools: manual or
- Laxatives: Sodium picosulfate, Bisacodyl, Polyethylene glycol, Lactulose , Senna, Docusate sodium
- Dietary modifications: proper weaning, no dilution of milk, reduce milk and increase roughage

Not responding to stool softeners or enema Refer to higher center for contrast enema Contrast enema for persistent constipation Stool Rectal X-ray erect abdomen Constipation Fecaloma Enema

INDICATIONS FOR RECTAL BIOPSY

- Persistent constipation
 Contrast enema showing transitional zone
 Absent ano-rectal reflex on manometry
 Positive acetylcholinesterase fibers in rectal biopsy
 Biopsy showing absent ganglion cells

Definitive pullthrough surgery (Duhamel's, Scott Boley or Swensons pull through) OR single stage pullthrough in neonates and infants after adequiate decompressions.

- MANAGEMENT
- Proper toilet training · Adequate liquids and fibre in diet · Biofeedback
- ·Laxatives
- Suppositories Evacuant enema
- · Surgical intervention

★ KEEP A HIGH THRESHOLD FOR INVASIVE PROCEDURES

This STW has been prepared by national experts of India with feasibility considerations for various levels of healthcare system in the country. These broad guidelines are advisory, and are based on expert opinions and available scientific evidence. There may be variations in the management of an individual patient based on his/her specific condition, as decided by the treating physician. There will be no indemnity for direct or indirect consequences. Kindly visit the website of DHR for more information. (stw.icmr.org.in) for more information.

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