

- Persistent unexplained change in bowel habits
- Involuntary weight loss
- Palpable mass in the lower right abdomen or the pelvis
- Persistent rectal bleeding without anal symptoms / positive FIT
- Iron deficiency anemia
- Narrowing of stool calibre
- Family history of colon cancer, or inflammatory bowel disease
- Severe, persistent constipation that is unresponsive to treatment
- Acute onset, not passing flatus (eg bowel obstruction)

**"I'm constipated!"**

**HISTORY & PHYSICAL**  
Consider abdo exam, DRE

**ROME IV criteria for functional (chronic) constipation:**

1. Two or more of the following over past 3 months:
    - Fewer than 3 spontaneous defecations per week
    - Straining
    - Lumpy or hard stools
    - Sensation of anorectal obstruction
    - Sensation of incomplete evacuations
    - Manual maneuvers to defecate
  2. Loose stools are rarely present without laxatives
  3. Insufficient criteria for IBS
- At least 25% of the time**

**IBS-C**

**REFER OR INVESTIGATE**

RED FLAGS

**INVESTIGATE: MANOMETRY, BALLOON EXPULSION**

**CHRONIC CONSTIPATION**

**STOP CONSTIPATING MEDICATIONS**

**Rx CAUSING CONSTIPATION:**

- Calcium Channel Blockers,
- Calcium, Iron, Aluminum-antacids; Multivits w minerals
- NSAIDs
- Opiates
- Diuretics
- Antidiarrheals, resins, bismuth
- Anticholinergics, eg. anti-histamines, antidepressants
- Antiemetics, eg. ondansetron
- Anticonvulsants and antipsychotics
- Antiparkinsons medications

NEGATIVE: Normal Colonic Transit

UNDERLYING CAUSE?

**Dx: PELVIC FLOOR DYSFUNCTION aka DEFACATORY DISORDER**

**Dx: SLOW COLONIC TRANSIT**

**Dx: FUNCTIONAL/ IDIOPATHIC**

**Dx: SECONDARY or ORGANIC**

**TREAT COMORBID CONDITION eg. hypothyroidism**

**X STOOL SOFTENERS eg. docusate**

**FIBER, EXERCISE, WATER**

CAN'T TREAT/ REFRACTORY CAUSE

**Dx: OPIATE INDUCED**

**REFER OR INVESTIGATE**

**OSMOTIC LAXATIVES eg. polyethylene glycol, lactulose**

**OPIATE REVERSAL AGENTS "PAMORAs" eg. methylnaltrexone**

NOT IMPROVING

**STIMULANT eg. senna, bisacodyl**

**CHLORIDE CHANNEL ACTIVATORS eg. lubiprostone**

**5HT4A-ANTAGONISTS eg. tegaserod, prucalopride**

**GUANYL-CYCLASE-C AGONISTS eg. linaclotide**

**SUPPOSITORIES ENEMAS DISIMPACTIION**

**CONSIDER SURGERY**

Dr J Otte (MD, CCFP)'s conceptual framework for management of chronic and opiate-induced constipation  
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Therapy - examples	Mechanism	Usual/Severe Side Effects	Cost	Efficacy (increasing number of patients who have ≥ 3 complete spontaneous bowel movements/wk; other measures described)	LOE
<b>Water</b> – H <sub>2</sub> O	?			<b>LIMITED:</b> unless dehydration is present (in elders in LTC)	III <sup>1 2</sup>
<b>Biofeedback</b> (relax anus while pushing intraabd. to extrude balloon w sensors)	Retraining control of anorectum	Invasive, requires diagnostics, not readily available	MSP vs private \$\$\$	<b>MAYBE:</b> Might improve psych/clinical outcome measures in pelvic floor dysfunction; wide diversity in protocols.  Insufficient evidence: low quality, biased, short term studies	II <sup>3</sup>  I <sup>4</sup>
<b>Positioning</b> – feet up (eg. Squatty Potty™)	Allows structurally easier transit of stool		\$	<b>MAYBE:</b> increased bowel emptiness, reduced straining patterns, but ?funding, small N, short time (2wks), cross-over study	III <sup>5</sup>
<b>Exercise</b>	?Magic; ^ peristalsis by increasing HR/RR			<b>LIMITED:</b> One small RCT & some case-control studies: decreased constipation (self-report or Rome criteria); other studies: no effect. Review of 9 RCTs in China: may improve “symptoms” but LOW quality	II <sup>3</sup>  II <sup>6</sup>
<b>Soluble Dietary Fiber, Bulk-forming Agents</b> (psyllium [Metamucil], inulin [Benefibre] calcium polycarbophil, methylcellulose, prunes, etc.)	Expand with water, increase bulk of the stool, thereby increasing frequency  * <b>NOT</b> for slow colonic transit (eg elders) or OIC	Require adequate fluid to act. Dose-dependent bloating, gas. Risk of bowel obstruction.	\$	<b>PROBABLY, IF LOW FIBRE DIET:</b> 3RCTs psyllium > placebo; 1 RCT methylcellulose > placebo; 2 RCT prunes ~ = psyllium in ‘validated questionnaires’; mixed data on straining, # spont BMs/wk, consistency  Prospective cohort of women: higher fiber (20 g/d vs 7 g/d) reduced self-reported constipation, but other studies did not show this. Fiber may help if diet is deficient. One RCT: psyllium more effective than docusate	II <sup>3</sup>     III <sup>7</sup>  II <sup>8</sup>
<b>Stool Softeners</b> (docusate [Colace], mineral oil)	Detergent effect, lowers surface tension at interface, allows water to soften the stool	Bitter taste, nausea. Aspiration of mineral oil → lipid pneumonia	\$	<b>PROBABLY NOT:</b> No study comparing docusate efficacy against placebo. No effect on stool weight, transit time. Inferior to psyllium.  1 Sys review: small effect on stool frequency in chronically ill, but overall quality of evidence was poor.	I <sup>9</sup> II <sup>10</sup>    I <sup>3</sup>
<b>Osmotic Agents</b> (PEG [Lax-a-Day, RestoraLax], lactulose, sorbitol, Mg-OH, glycerin PR)	Hyperosmolar, non-absorbable molecule so adsorb, retain water thereby facilitating stool passage	Diarrhea, nausea, flatulence, dehydration. Rare: electrolyte disturbances.	\$\$ [* PEG not on Plan P]	<b>YES,</b> of osmotic agents, PEG best combo of effective/tolerated: PEG increased frequency of stools relative to placebo (high-quality studies: additional 2.34 stools/week) Retrospective data suggests enduring efficacy of PEG to at least 24mos  PEG better tolerated (no taste). ?Less cramping with milk of magnesia but lower efficacy; PEG more effective than lactulose in terms of need for additional products, stool frequency & form, and relief of abdo pain; mostly peds data but adult subgroup analysis consistent	I <sup>11</sup>     III <sup>12</sup>    I <sup>13</sup> I <sup>14</sup>



