

Table I: Selected Treatments for Pediatric Constipation³⁻⁶

DRUG	AVAILABLE OTC	COST*	COMMENTS
Glycerin suppositories	Yes	\$1.28/12 infant/child suppos. \$4.69/50 adult suppos.	Preferred in infants.
Polyethylene glycol 3350 (Miralax®, GlycoLax®)	Yes	\$10.99/bottle (238g) \$19.99/bottle (255g) \$37.99/bottle (527g)	Tasteless and dissolves completely in a variety of liquids. May be more palatable than other medications.
Lactulose (Enulose®, others)	No	\$20.01/bottle (473mL)	Taste may not be palatable for some children. May be mixed with fruit juice, milk, water, or citrus-flavored carbonated beverages.
Magnesium hydroxide (Phillips Milk of Magnesia®, others)	Yes	\$4.99/bottle (355mL) \$7.99/bottle (769mL)	Children may not tolerate. Has a chalky or bitter taste. Infants and patients with kidney dysfunction are at risk for developing electrolyte abnormalities.
Sorbitol 70%	Yes	\$10.99/bottle (473mL) \$21.97/bottle (946mL)	May cause flatulence and abdominal cramping. Packaged for pharmaceutical compounding, but may be obtained through selected pharmacies for OTC use.
Mineral oil	Yes	\$1.74/bottle (473mL)	Avoid in patients less than 5 years due to risk of aspiration pneumonia. May cause leakage and staining of underwear. May administer cold or mixed with chocolate milk or orange juice.
Senna (Senokot®, others)	Yes	\$4.57/bottle (74mL) \$9.99/100 (8.6mg tablets)	Liquid may be administered with fruit juice or milk. Best limited to less than 2 weeks duration. May cause severe diaper rash. Abdominal cramping may occur.
Bisacodyl (Dulcolax®, others)	Yes	\$4.47/4 suppositories \$3.49/50 (5mg tablets)	Best limited to less than 2 weeks duration. Abdominal cramping, diarrhea, and hypokalemia may occur.

*Cost from www.drugstore.com where possible. Accessed April, 2007.

Table II: Migraine Prophylactic Agent Comparison

DRUG	TYPICAL DOSE	ADVERSE EFFECTS	COST*
<i>First-line agents</i>			
Amitriptyline (Elavil®)	10-150 mg per day	Drowsiness, weight gain, anticholinergic effects	\$3.66†
Divalproex Sodium (Depakote®, Depakote® ER)	500-1000 mg per day	Sedation, nausea, weight gain, hair loss, tremor, liver toxicity	\$148.99
Propranolol (Inderal®, Inderal® LA)	80-240 mg per day	Fatigue, exercise intolerance, weight gain, dizziness, insomnia, depression	\$13.99†
Timolol (Blocadren®)	20-30 mg per day	Fatigue, exercise intolerance, weight gain, dizziness, insomnia, depression	\$28.60†
Topiramate (Topamax®)	50 mg twice daily	Paresthesia, fatigue, nausea, anorexia	\$212.99
<i>Second-line agents</i>			
Gabapentin (Neurontin®)	1200-2400 mg per day	Dizziness and somnolence	\$89.99†
Naproxen (Naprosyn®)	550 mg twice daily	Nausea, vomiting, gastritis	\$23.98†
Verapamil (Calan®)	240-320 mg per day	Dizziness, edema, constipation	\$53.98†
Lisinopril (Zestril®)	20 mg per day	Dizziness, cough	\$10.99†
Candesartan (Atacand®)	16 mg per day	Diarrhea, fatigue	\$49.99
Vitamin B2 (Riboflavin)	400 mg per day	Diarrhea, polyuria	\$8.99
Feverfew	100-250 mg per day	GI upset	\$6.39

*Monthly cost of maximum recommended daily dose per www.drugstore.com. Accessed September, 2006.

†Generic available (cost provided)

Table III: Treatment Options for Neuropathic Pain^{1,12}

DRUG	TYPICAL DAILY DOSE	FDA approved?	COST*	COMMENTS
<i>First-line agents</i>				
Amitriptyline (generic)	30-150 mg	No	\$3.99	Most anticholinergic TCA; patients may have difficulty tolerating
Desipramine (generic)	100-200 mg	No	\$37.98	Better tolerated than amitriptyline; equivalent efficacy
Nortriptyline (generic)	10-75 mg	No	\$12.99	Better tolerated than amitriptyline; equivalent efficacy
Gabapentin (generic)	1200-2400 mg	Yes (post-herpetic neuralgia)	\$89.99	Better tolerated than TCAs; initiate at 100-300 mg qhs; titrate slowly
Tramadol (generic)	150-300 mg	No	\$99.94	Dual MOA: mu-opioid agonist and inhibits reuptake of serotonin/NE
Duloxetine (Cymbalta®)	40-60 mg	Yes (diabetic neuropathy)	\$112.36	Good choice for patients with comorbid depression
Pregabalin (Lyrica®)	150-300 mg	Yes (diabetic & post-herpetic neuropathy)	\$157.97	Similar to gabapentin; however, schedule V controlled substance; Medicaid requires prior authorization
<i>Second-line agents</i>				
Venlafaxine (Effexor®)	72-225 mg	No	\$202.48	Similar MOA as duloxetine; less clinical evidence
Oxycodone ER (generic)	20-80 mg	No	~\$287.99 pricing not available	Opioids are generally reserved as agents of last resort or used in combination with other agents
<i>Other agents</i>				
Capsaicin topical (Zostrix®)	0.025% - 0.075% cream	No	\$39.98	Must be applied 3-5 times daily for 2-4 weeks for full efficacy; tolerability often an issue
Carbamazepine (generic)	600 mg	No	\$16.65	Adverse effects and monitoring requirements limit utility
Lamotrigine (Lamictal®)	200-400 mg	No	\$272.58	Monitor for rash; Medicaid requires prior authorization

*Cost from www.drugstore.com where possible; based on high end of typical daily dose. Accessed September 2006.