New York State Department of Health Patient Safety Center

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Tricyclic Antidepressants	Amitriptyline (Elavil®) Doxepin (Sinequan®)	↑ Anticholinergic effects Changes in arrhythmic properties ↑ Risk of falls CAUTION WITH: Chronic Constipation and Dementia	Minimize doses whenever possible Consider SSRIs for depression; monitor bone density. Do not use in combination with other anticholinergics. For insomnia, encourage sleep hygiene. Consider lowest dose of non-barbiturate hypnotics. Use as directed, immediately prior to bedtime.
Antihistamines: 1st Generation	Diphenhydramine (Benadryl®) Clemastine (Tavist®) Chlorpheniramine (Chlor-Trimeton®)	↑ Anticholinergic effects CAUTION WITH: Dementia	Use 2nd generation (Claritin® or Allegra®). Minimize duration of therapy. Do not use with other anticholinergic medications.
Antispasmodics	Dicyclomine (Bentyl®) Hyoscymine (Levsin®) Hyoscymine (Donnatal®) Clidinium Compound (Librax®)	↑ Anticholinergic effects CAUTION WITH: Dementia	Monitor creatinine clearance. Minimize dosing and duration of use.
Benzodiazepines: Long-acting	Chlordiazepoxide (Librium®) Diazepam (Valium®) Chlorazepate (Tranxene®) Flurazepam (Dalmane®)	Prolonged sedation, ↑ risk of falls due to ↓ metabolism and ↑ sensitivity to benzodiazepines	1. Use shorter-acting benzodiazepines: Lorazepam® < 3 mg/day Oxazepam® 60 mg/day Temazepam® < 15 mg/day

Antipsychotics: Typical	Thioridazine (Mellaril®) Haloperidol (Haldol®) Chlorpromazine (Thorazine®) Mesoridazine (Serentil®)	↑ Anticholinergic effects CAUTION WITH: Dementia, Seizures, Parkinson Disease	Determine rationale for appropriate use. Use atypical anti-psychotics if pharmacotherapy is deemed appropriate.
Pain Medications	Propoxyphene (Darvocet®) Meperidine (Demerol®) Ketorolac (Toradol®) Tramadol (Ultram®)	Lack of efficacy and ↑ confusion, dizziness due to ↓ renal function ↑ Renal toxicity with long-term use ↑ GI toxicity potential CAUTION WITH: Dementia, Seizures	Do not use Toradol®. None should be considered the drug of choice for pain. Consider alternate options for pain with caution based on patient history.
NSAIDs	Indomethacin (Indocin®) Oxaprozin (Daypro®) Etodolac (Lodine®)	↑ GI toxicity potential ↑ risk of CHF exacerbation CAUTION WITH: Clotting disorders, Anticoagulation Therapy, Heart Failure, Gastric/Duodenal Ulcer	Use colchicine with renal dosing for gout. Use in combination with acetaminophen to limit dose and duration of NSAIDs. Use Cox-2 inhibitors or a non-selective NSAID with a PPI.
Cardiac Medications	Digoxin (Lanoxin®)	ullet Toxicity due to $ullet$ renal function	Monitor creatinine clearance. Minimize dosing and duration of use.
Muscle Relaxants	Cyclobenzaprine (Flexeril®) Carisoprodol (Soma®) Metaxalone (Skelaxin®) Methocarbamol (Robaxin®)	• ↑ dizziness • ↑ drowsiness	Minimize dose and duration. Do not use in combination with other anticholinergics. Consider topical analgesics, APAP and physical therapy.

Note: This chart is to be used as a guideline for treating elderly patients in order to prevent falls. It does not contain all medications that may affect fall risk in the elderly. Therefore, providers are cautioned to use their clinical judgment.

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