

## **TABLE II**

### **MEDICATIONS WITH SIGNIFICANT ANTICHOLINERGIC PROPERTIES**

*Table II lists common medications with significant anticholinergic properties and potential adverse consequences, but is not all-inclusive. Any of the following signs and symptoms may be caused by any of the medications in the lists below, alone or in combination, as well as by other medications not listed here that have anticholinergic properties.*

*This table is provided because: 1) Medications in many categories have anticholinergic properties; 2) The use of multiple medications with such properties may be particularly problematic because of the cumulative effects; and 3) Anticholinergic side effects are particularly common and problematic, especially in the older individual<sup>61, 62</sup>.*

#### **Examples of Medications with Anticholinergic Properties**

##### **ANTI-HISTAMINES (H-1 BLOCKERS)**

*chlorpheniramine    cyproheptadine  
diphenhydramine    hydroxyzine*

##### **ANTIDEPRESSANTS**

*amoxapine    amitriptyline  
clomipramine    desipramine  
doxepin    imipramine  
nortriptyline    protriptyline  
paroxetine*

##### **CARDIOVASCULAR MEDICATIONS**

*furosemide    digoxin  
nifedipine    disopyramide*

##### **GASTROINTESTINAL MEDICATIONS**

###### **Antidiarrheal Medications**

*diphenoxylate    atropine*

###### **Antispasmodic Medications**

*belladonna    clidinium  
chlordiazepoxide    dicyclomine  
hyoscyamine    propantheline*

###### **Antiulcer Medications**

*cimetidine    ranitidine*

*ANTIPARKINSON MEDICATIONS*

*amantadine benztropine  
biperiden trihexyphenidyl  
MUSCLE RELAXANTS*

*cyclobenzaprine dantrolene  
orphenadrine*

*ANTIVERTIGO MEDICATIONS*

*meclizine scopolamine*

*ANTIPSYCHOTIC MEDICATIONS*

*chlorpromazine clozapine  
olanzapine thioridazine*

*URINARY INCONTINENCE*

*oxybutynin probantheline  
solifenacin tolterodine  
trospium*

*PHENOTHIAZINE ANTIEMETICS*

*prochlorperazine promethazine*

***Potential Adverse Consequences of Medications with Anticholinergic Properties***

*Blood pressure, increased  
Clumsiness or unsteadiness  
Digestive system changes, e.g.,  
    Bloating  
    Bowel motility, decreased  
    Constipation  
    Ileus, paralytic/adynamic  
    Nausea or vomiting  
    Swallowing difficulty with dry mouth*

*Delirium  
Drowsiness  
Headache  
Lethargy, fatigue  
Muscle weakness, severe  
Skin, changes  
    Dryness Sweating, decreased  
    Flushing Warmth, excessive  
Urinary retention or difficulty*

*Breathing difficulty, changes  
Convulsions  
Mental status/behavior changes, e.g.,  
    Distress, excitement, nervousness  
    Attention, impaired  
    Cognitive decline  
    Confusion/disorientation  
    Hallucinations  
    Memory loss  
    Restlessness or irritability  
Dizziness  
Fever  
Heart rate, increased  
Mucous membrane dryness: mouth, nose  
Speech, slurring  
Vision impairment, changes in acuity  
    Blurring Glaucoma, worsening  
    Eye pain Light sensitivity*