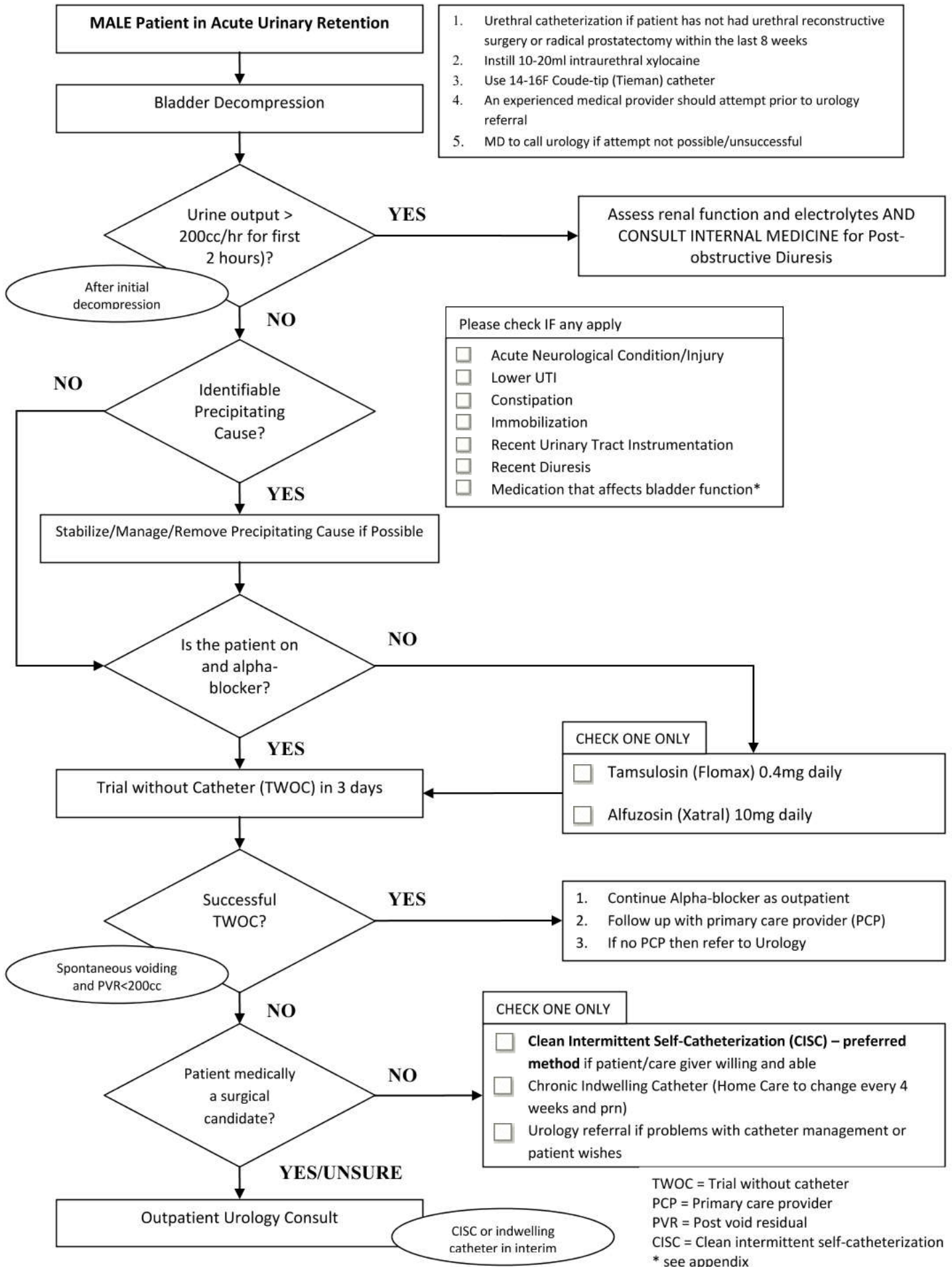


Saskatoon Urology Associates Acute Urinary Retention Algorithm (Male)



APPENDIX: MEDICATIONS AFFECTING BLADDER EMPTYING

The following is a list of common medications that can result in urinary retention. Medication-induced retention usually occurs when the medication has recently been started. Always ensure it is clinically appropriate and safe before adjusting medication.

Anticholinergics

Oxybutynin (Ditropan)
Tolterodine (Detrol)
Trospium chloride (Trosec / Sanctura)
Solifenacin (Vesicare)
Darifenacin (Enablex)
Mirebegron (Myrbetriq)
Glycopyrrolate (Robinul)
Dicyclomine HCl (Bentylol)
Flavoxate HCl (Urispas)

Antihistamines

Diphenhydramine HCl (Benadryl)
Chlorpheniramine (Chlor-Tripolon)
Brompheniramine, Cyproheptadine
Hydroxyzine (Atarax)

Sympathomimetics (alpha-adrenergic agents)

Ephedrine sulfate
Phenylephrine HCl (Neo-Synephrine)
Pseudoephedrine HCl (Sudafed)

Sympathomimetics (beta-adrenergic agents)

Metaproterenol

Antiarrhythmics

Quinidine
Procainamide
Disopyramide

Antihypertensives

Hydralazine (Apresoline)

Muscle Relaxants

Diazepam (Valium)
Baclofen (Lioresal)

Antiparkinsonian Agents

Trihexyphenidyl HCl (Artane)
Benzotropine Mesylate (Cogentin)
Levodopa (Sinemet)
Bromocriptine Mesylate

Antipsychotics

Haloperidol (Haldol),
Thiothixene (Navane)
Chlorpromazine
Fluphenazine
Prochlorperazine

Antidepressants

Imipramine (Tofranil)
Nortriptyline
Amitriptyline (Elavil)
Doxepin

Miscellaneous

Carbamazepine (Tegretol)

REFERENCES

1. Tamsulosin in the Management of Patients in Acute Urinary Retention from Benign Prostatic Hyperplasia. *Lucas et al. BJU International* 2005; 95:354-35
2. Alfuzosin 10 mg Once Daily in the Management of Acute Urinary Retention: results of a double-blind placebo-controlled study. *MacNeil et al. Urology* 2005; 65:83-90
3. Management of acute urinary retention. *Fitzpatrick JM et al. BJU Int* 2006 Supp2 16-20
4. Management of Acute and Chronic Retention in Men. *Kalejaiye O et al. Eur Urol Supplements* 2009 523-529