

Renal system disorders Cheat Sheet by sam219 via cheatography.com/201893/cs/47515/

Urinary stones ttt		
Ca Oxalate	Ca phosphate	Uric acid
Avoid oxalate rich foods such as tomatoes, spinach, mango, nuts or chocolate.	Acidify urine by eating cranberries.	Alkalize urine using cherries, strawb-erries, apple juice
		Avoid purine rich foods (red meat, fish)
According to stone types.		

Early stage BPH.

Saw palmetto fruits

A.I.: lipophilic extract with unsaturated FA & plant sterols.

MOA: **inhibits 5-a-reductase-->** testosterone is not converted into 5-a-dihydrotestosteron which enlarges the prostate.

Safety: safe on men. Unknown safety for women & children.

Differential diagnosis is needed between BPH & prostate cancer. It's done through PSA measurements.

Free, high PSA level: BPH Comple PSA: prostate cancer

Herbal urinary anti-septics

1. Uva Ursi "bearberry" leaves

A.I: phenolic glycoside **arbutin** hydrolyzed into phenolic anti-septic **hydroquinone**.

Gallotannins: astringent compound that shrinks inflamed tissue (diuretic effect) .

Only effective in alkaline urine, so not combined with cranberry juice.

A.E: N/V

CI: 1. Pregnant, 2. Lactation, 3. Children <12

Standardized to **20% arbutin extract** and consumed for max 1 week to avoid **liver damage (hydroquinone)**.

Uva-Ursi + dandelions= reduced cystitis in elderly women.

Herbal urinary anti-septics

2. Cranberry juice

Only a preventative measure. Shows 75% improvement in **recurrent UTI after daily drinking for 3 weeks**.

A.I.: acids, anthocyanidins pigment, Pro-anthocyanidins (PAC), fructose.

MOA:

- PAC (tannin polymers) block bacterial adherence to UTI lining.
- Acids render urine acidic.

Standardized extract of **36 mg PAC**. Dose is **300-400 mg** caps twice daily.

Herbal urinary anti-septics

3. Buchu leaves

A.I.: flavonoids (rutin-diosmetin-diosmin) V.O. (limonene-diosphenol)

Uses: diuretic, antibacterial, anti-inflamm.

To note: causes burning sensation & minor bleeding.



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