

# DRUG CARDS | DAILY



NAME(S): **Generic**: tamsulosin (tam soo LE sin) | **Brand**: Flomax

PHARMACOLOGIC & THERAPEUTIC CLASS: Selective Alpha-1-Adrenergic Blocking Agent

DOSAGE FORM & STRENGTH: **Capsules**: 0.4 mg

## INDICATION(S) & DOSING(S): **ADULTS**

1. **Benign Prostatic Hyperplasia (BPH)**: Tx dose 0.4 mg PO qd 30 minutes after the same meal. May increase to 0.8 mg PO qd after 2-4 weeks if required. Swallow whole. Do not open cap.
- **OFF LABEL | Nephrolithiasis**: Tx dose 0.4 mg PO qd 30 minutes after the same meal qd. Taken whole.

## INDICATION(S) & DOSING(S): **PEDIATRICS**

- **OFF LABEL | Nephrolithiasis**: For >4 years of age tx dose is 0.4 mg PO qd given whole and 30 minutes after the same meal each day.

## MECHANISM OF ACTION & PHARMACOLOGY

- **MOA**: There is a relaxation of smooth muscle along with an improvement of urine flow through selective antagonism of alpha-1a adrenergic receptors on the prostate. There is a higher affinity to the alpha-1a receptor than for the alpha-1b receptor. | Essentially complete **absorption** under fasting conditions w/ the peak occurring w/in 4-5 hours. Food does delay peak plasma concentrations by about 2 hours. | Widely **distributed** into extracellular fluids and organs. | 94-99% **protein bound**. | The medication is hepatically **metabolized** via the CYP2D6 and CYP3A4 pathways. | 76% is **excreted** in the urine w/ less than 10% as the unchanged drug. 21% is excreted fecally. | There **half-life** is between 14-15 hours. |

## SPECIAL POPULATIONS & CONSIDERATIONS

- **Renal Impairment**: CrCl >10 no adjustments needed. If CrCl <10 is not defined. | **Hepatic Impairment**: Child-Pugh Class A or B no adjustments needed. Child-Pugh Class C is not defined. | **Caution** if a hypersensitivity to sulfonamides, cataract or glaucoma surgery, and if poor CYP2D6 metabolizer. Prior to administration exclude the possibility of prostate cancer. | **Pregnancy**: Caution advised due to no human data available. No no risk in animal data at 50 times the human dose. | **Lactation**: Consider alternative due to no human data or ability to assess risk to infant.

## SIDE EFFECTS

- **Common**: Abnormal ejaculation, dizziness, various infections, cough, and a decrease in libido.
- **Serious**: Priapism, arrhythmia, syncope, Stevens-Johnson syndrome, inoperative floppy iris syndrome.

## DRUG INTERACTIONS

- **Considerations to make for DI**: CYP2D6 substrate, CYP3A4 substrate, and hypotensive effects.
- **Some Contraindicated Drug(s) & Drug(s) of Note**: Avoid use of atazanavir, bupropion, clarithromycin, prazosin, and voriconazole. Monitor or modify tx with aripiprazole, atenolol, benazepril, and haloperidol.



## MONITORING PARAMETERS

- Nothing of note.

## PATIENT COUNSELING INFORMATION

- Tamsulosin is used in male patients when **treating symptoms of an enlarged prostate in benign prostatic hyperlasia (BPH)**.
- It helps to **relieve symptoms** such as difficulty in the beginning of urination, for weak streams, and the need to urinate often in the middle of the night.
- A **sudden drop in blood pressure** may occur while on tamsulosin so be cautious of **dizziness** and **fainting**.
- Administer the medication **30 minutes after the same meal** each day.

## REFERENCE(S) & RESOURCE(S)

1. <https://online.epocrates.com/drugs/75410/tamsulosin/Monograph>
2. <https://www.drugs.com/monograph/tamsulosin.html>
3. <https://www.webmd.com/drugs/2/drug-1592/tamsulosin-oral/details>

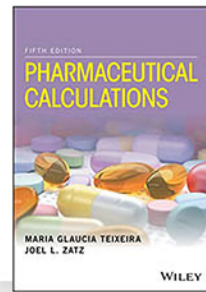


# PREPARE FOR SUCCESS!

## Comprehensive (NAPLEX)



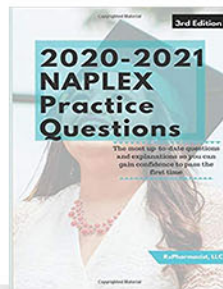
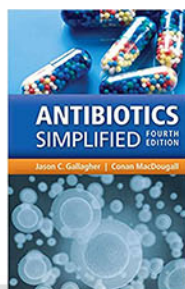
## Calculations (NAPLEX)



## Pharmacy Law (MPJE)



## Supplemental



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# DRUG CARDS DAILY

Monday at 7 am EST  
(6 am CST, 4 am PST)

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So you landed that perfect job offer or got the perfect match for your PGY1 and now the **ONLY** thing standing in your way is passing the NAPLEX and MPJE.

Here are some NAPLEX & MPJE prep recommendations to help you do everything you can to **pass the first time!**

## HEY STUDENT!

When I was P1 one of the best pieces of advice I got from those before me was to use a NAPLEX Prep book while learning each topic.

This helps focus your learning and the repetition helps to retain info and indirectly prepare you for the NAPLEX



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