

CA-ADAP Formulary Review: Benign Prostatic Hyperplasia (BPH)

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CA-ADAP Formulary Review: AGENDA

1 Anatomy Overview

2 Disease Characteristics

3 Medications

4 Claims data

5 Other ADAP formularies

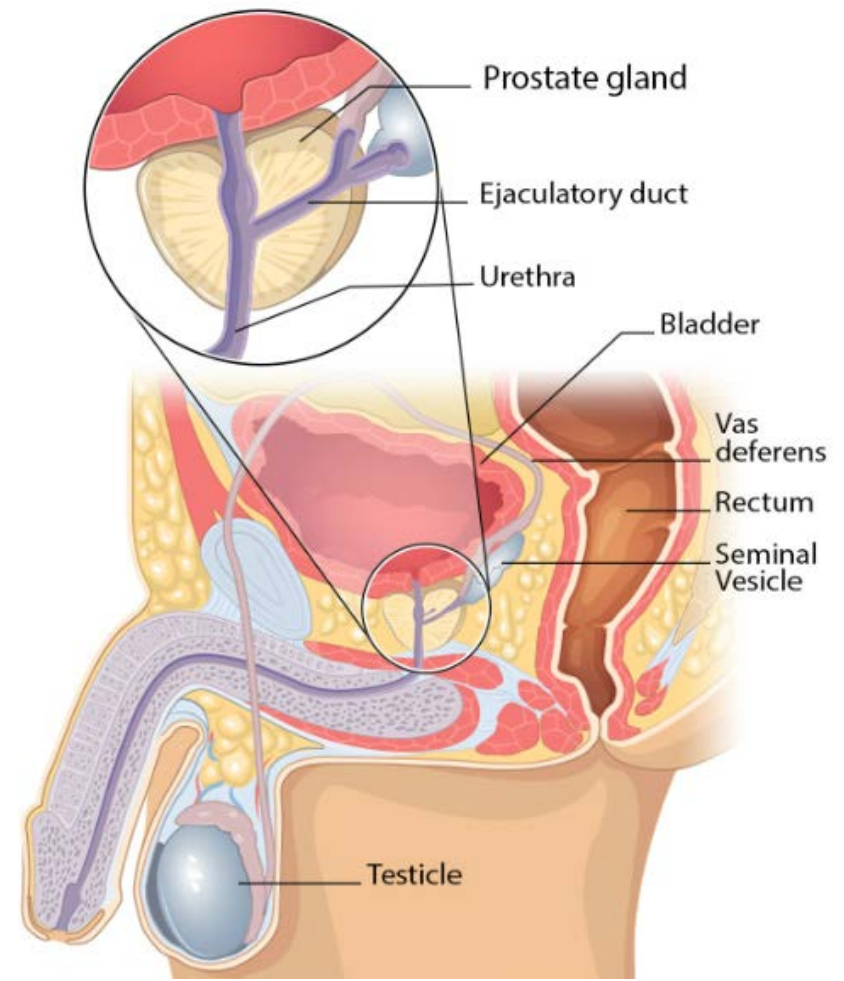
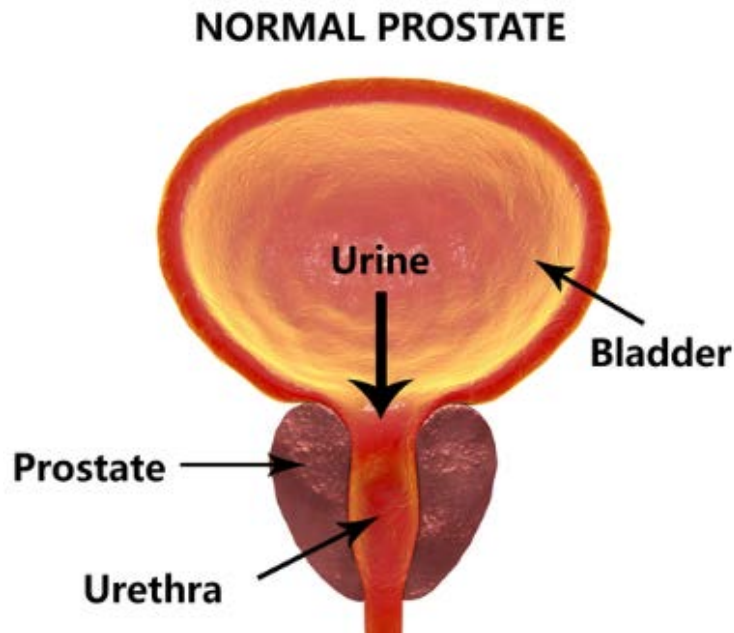
6 Recommendations



BENIGN PROSTATIC HYPERPLASIA (BPH)

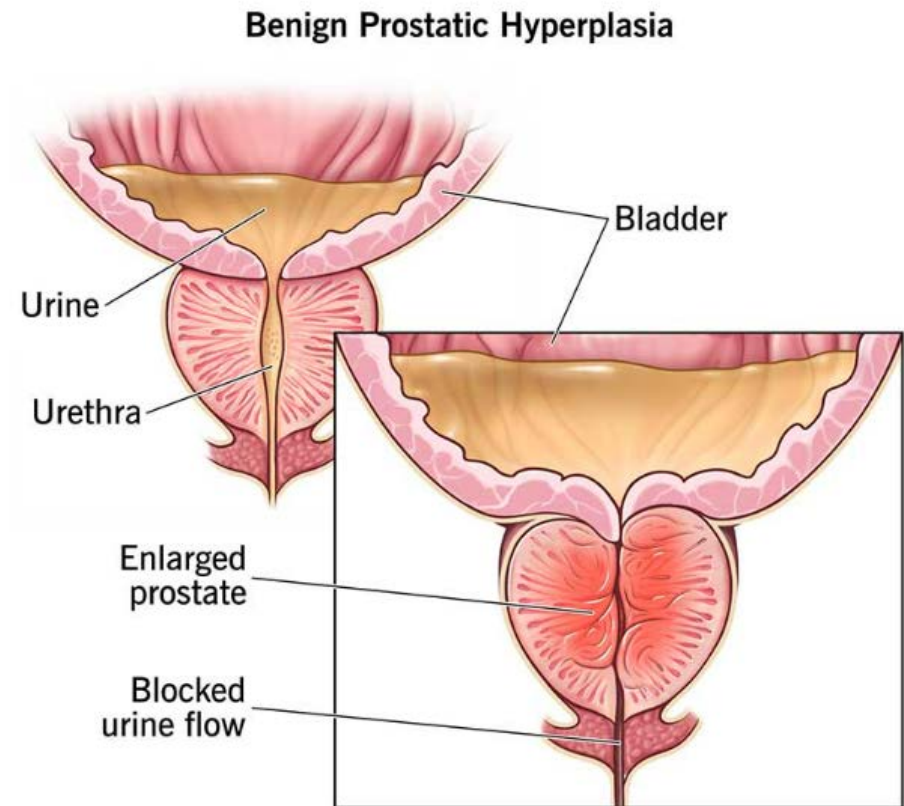
PROSTATE

- A small gland about the size of a walnut
- Located between the base of the penis and the rectum
- Supplies part of the seminal fluid
- Typically grows during adolescence and again as a young adult



Benign Prostatic Hyperplasia (BPH) cont'd

- Common problem for men:
 - ~50% aged 51-60 have BPH
 - ~90% aged 80+ have BPH
- Prostate gland enlargement
 - Squeezes the urethra
 - Can weaken the bladder wall and/or block the flow of urine
- Symptoms:
 - Frequency
 - Incomplete emptying
 - Incontinence
 - Intermittency
 - Nocturia
 - Pain
 - Straining
 - Urgency
 - Weak Stream



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BPH Treatment: Alpha Blockers

- Relax the muscle in the prostate, which reduces tension in the urethra, allowing urine to flow more freely
- Do not shrink the size of the prostate

→Can improve urine flow and reduce symptoms

Agent	Generic	AZ	CT	FL	NY	TX	WA	Comments
Alfuzosin (Uroxatral)	Y	-	-	-	-	-	-	• Has major DDIs w/AVRs
Doxazosin (Cardura)	Y	Y	-	Y	Y	-	-	• Some DDIs w/AVRs
Silodosin (Rapaflo)	Y	-	-	-	-	-	-	• Has DDIs w/AVRs
Tamsulosin (Flomax)	Y	Y	Y	Y	-	-	-	• Some DDIs w/ARVs • Recommend adding
Terazosin (Hytrin)	Y	-	-	Y	Y	-	-	• Recommend adding

BPH Treatment: PDE5 Inhibitors



- Cause relaxation of muscle cells in the bladder and prostate
- Do not shrink the size of the prostate

→ *Can improve urine flow and reduce symptoms*

Agent	Generic	AZ	CT	FL	NY	TX	WA	Comments
TADALAFIL (Cialis)	X	-	-	-	-	-	-	<ul style="list-style-type: none"> • Some DDIs w/ARVs • Consider adding

BPH Treatment: 5-Alpha Reductase Inhibitors (5-ARDIs)



- Decrease the production of DHT, a hormone that slows the growth of the prostate gland
- Reduces blockage, helps limit the need for surgery
- **Currently on ADAP formulary**

→ *Slows prostate growth and can shrink prostate size*

Agent	Generic	AZ	CT	FL	NY	TX	WA	Comments
Dutasteride (Avodart)	Y	-	-	-	-	-	Y	• Some DDIs w/AVRs
Finasteride (Proscar)	Y	Y	Y	Y	-	-	Y	

BPH Treatment: Combination Products



- 5-alpha-reductase inhibitor + agent to relax muscles
 - Jalyn: Dutasteride (5-ARDI) + Tamsulosin (alpha-blocker)
 - Entadfi: Finasteride (5-ARDI) + Tadalafil (PDE5-inhibitor)

→ *Reduce pill burden*

Agent	Generic	AZ	CT	FL	NY	TX	WA	Comments
DUTASTERIDE/ TAMSULOSIN (Jalyn)	Y	-	-	-	-	-	-	
FINASTERIDE/TADALAFIL (Entadfi)	-	-	-	-	-	-	-	

Formulary Management Recommendations: BPH Treatment



1

Alpha Blockers:
TAMSULOSIN and
TERAZOSIN

Recommend addition to the ADAP formulary.

2

PDE-5 Inhibitors:
TADALAFIL

Consider addition to the ADAP formulary.

3

5-Alpha Reductase
Inhibitors

Currently on the ADAP formulary.

4

Combination Products

No clinical benefit.

References



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