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It will hopefully get better...

- GDUFA (Generic Drug User Fee Amendment)
 * Established research programs (FDA and outside sources)
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 Hopes to improve methodologies and tools to establishing drug equivalence standards for gener
- •• Pays PARTICULAR interest to drugs that have:
 - * Complex active ingredients, formulations, or dosage forms
 - * Complex routes of delivery
 - * Complex drug-device combination products *Tools and methodologies for bioequivalence and therapeutic equivalence evaluation

How does the pharmacist decide "Brand" versus "Generic" when they dispense?

- MOST insurance plans mandate or GREATLY encourage patients to use generics
- ★ Copays are higher for brand/trade names
- \star May require prior authorization
- ** In general, generic drugs are 80-85% less that their Brand name counterparts
- •• 2011 Xalatan patent expired
- *Estimated to save patients \$1,300+ annually!

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| Beta-Blockers | |
|---------------|--|
| ••• | Retaxolof (Betontin-S) * 2 generic manufacturers – one of two (Akom) contains benzalitornium chloride and disodium edita |
| •• | Carteolol solution (generic only) |
| | * Preservative free |
| •• | Levobunolol (Brand d/c) |
| | * 2 generic manufacturers – one of two (Bausch Health) contains benzalkonium chloride & edetate disodium & sodium metabisulfite |
| •• | Metioranoloj (generic only) |
| | * Preservative free |
| | |





Alpha Adrenergic Agonists

Apraclonidine (lopidine)

- ★2 generic manufacturers
- \star Both brand and generic contain benzalkonium chloride

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Carbonic Anhydrase Inhibitors

Brinzolamide (Azopt)

*2 generic manufacturers – both brand and generics contain benzalkonium chloride

Dorzolamide (Trusopt)

* 5 generic manufacturers – 4 of 5 generic manufacturers contain benzalkonium chloride

* Brand and Imprimis is preservative free

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- Pilocarpine (IsoptoCarpine) 1, 2, & 4%
 * 4 generic manufacturers (3 of 4 contain benzalkonium bromide
 * Brand name and Sandoz generic are free from benzalkonium chloride
- ** Carbachol and Acetylcholine have no generic equivalents



The Benefits of Generics...

- **Research has found a correlation between lower medication cost and improved adherence rates with ocular medications
- •• Ocular meds are VERY expensive and insurance companies are ALWAYS searching for a cheaper alternative!

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Tips and Pearls on Prior Authorizations Glaucoma Prescription

- ••• Prior authorizations are inevitable!
- •• Steps:
 - 1. Pharmacist processes RX and gets a "reject" that says, "PA required" OR "must try _____1st/must prove medical necessity"
 - 2. Pharmacist sends electronically to "Cover My Meds" AND prescriber
 - 3. EVERYONE waits to hear back (1 day to 3 weeks!!)

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Coupon Cards **Tips and Pearls**

** Manufacturer Discount Cards: * These are for BRAND NAME only!

•• Good RX: Brand and Generic

** Read the fine print!

- * Expiration dates!
- * Does the patient need to "activate" the card"? * How many "fills" will they get?
- * Medicare/Medicaid excluded?

Glaucoma Medications

Mechanism of Action versus

•• Send to the local pharmacy Send to mail in

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- ••We will discuss Xelpros™ latanoprost ophthalmic solution 0.005%
 - ★It's differences
- •• Thoughts of being delivered by direct pay between patient and pharmacy

Capstan Pharmacy Transition Pharmacy

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an **adjuvant** is a drug or other substar of substances, that is used to increase







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The goal is to increase outflow Claukos iStent Inject Aqueous Angiography Before and After Stenting Alex Huang, MD, PhD





















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 Starsucht is Similarly Effective at Baseline IOPs

 Sig mitg and 25 mitg.

 Doted Analysis Rocket 1, Rocket 2, Rocket 4

 By 90 Charge from Baseline IOP by Baseline

 Sigrav Provide From Baseline IOP by Baseline

 Baseline IOP by Baseline







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Glaucoma Treatment

- Pharmaceuticals
- Laser: SLT/ALT
- MIGS- Minimally Invasive Claucoma Surgery
 Avoiding trabs and tubes
- Trabeculectomy
- EX-PRESS glaucoma shunt (Alcon)
- Shunts/valves
- Cyclophotocoagulation

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