



Preferred Drug List

NEW DRUG REVIEW

Proprietary Name: Combigan™ Ophthalmic Solution

Common Name: Brimonidine/Timolol

PDL Category: OP. CARBONIC ANHYDRASE INHIBITORS/COMBO

<u>Comparable Products</u>	<u>Preferred Drug List/ Recommended Drug List Status</u>
Cosopt® (Dorzolamide/timolol)	Preferred

Summary

Indications and Usage: Glaucoma, Ocular hypertension

Mechanism of Action: Brimonidine: stimulates α_2 – adrenergic receptors resulting in a reduction of aqueous humor production and increases nonpressure dependent uveoscleral outflow. Timolol: antagonizes β_1 and β_2 adrenergic receptors resulting in a decrease in intra-ocular pressure

Dosage Forms: Ophthalmic Solution; 2mg/mL of brimonidine and 5mg/mL of timolol

Recommended Dosage: 1 drop in the affected eye(s) every 12 hours

Common Adverse Drug Reactions: Allergic conjunctivitis, conjunctival hyperemia or folliculosis, eye pruritus, burning, stinging

Contraindications: Hypersensitivity to brimonidine, timolol, or any component of the compound, asthma, COPD, sinus bradycardia, second or third degree AV block, heart failure.

Manufacturer: Allergan, Inc.

Analysis: Combigan™ combines the active ingredients brimonidine (Alphagan P®) and timolol for patients who require therapy with both an intraocular beta blocker and a carbonic anhydrase inhibitor. In clinical trials, the intraocular pressure lowering ability in one day compared Combigan™ (dosed BID) to the individual ingredients, brimonidine 0.2% (TID) and timolol 0.5% (BID). Combigan™ reported a 1 – 3 mm Hg decrease in pressure over brimonidine and a 1 – 2 mm Hg decrease in pressure over the timolol group. However, when Combigan™ was compared to a group using brimonidine and timolol together as separate agents, Combigan™ reduced pressure by less (1 – 2 mm Hg) than the two products administered separately. Currently, it is more cost effective to use Alphagan P® and timolol separately, or the preferred combination product, Cosopt®, therefore, Combigan™ should be added to the Preferred Drug List as a non-preferred drug.

IME Recommendation:

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| <input type="checkbox"/> Preferred Drug | <input type="checkbox"/> Recommended Drug |
| <input checked="" type="checkbox"/> Non-Preferred Drug | <input type="checkbox"/> Non-Recommended Drug |
| <input type="checkbox"/> Preferred Drug with Conditions | |