

<div><div></div><div></div></div>	<p>Although specific drug interactions studies have not been conducted with COMBIGAN[®], the theoretical possibility of an additive IOP lowering effect with prostamides, prostaglandins, carbonic anhydrase inhibitors and pilocarpine should be considered. Concomitant administration of MAO inhibitors is contraindicated (see CONTRAINDICATIONS section). Patients who have been receiving MAOI therapy should wait 14 days after discontinuation before commencing treatment with COMBIGAN[®].</p> <p>Patients who are receiving a systemic (e.g., oral or intravenous) beta-adrenergic blocking agent and COMBIGAN[®] should be observed for potential additive effects of beta-blockade, both systemic and on intraocular pressure.</p> <p>Predclinical safety data:</p> <p>The ocular and systemic safety profile of the individual components is well established. Predclinical data reveal no special hazard for humans based on conventional studies of the individual components in safety pharmacology, repeated dose toxicity, genotoxicity and carcinogenicity studies. Additional ocular repeated dose toxicity studies on COMBIGAN[®] also showed no special hazard for humans.</p> <p><i>Brimonidine</i></p> <p>Brimonidine tartrate did not cause any teratogenic effects in animals, but caused abortion in rabbits and postnatal growth reduction in rats at systemic exposures approximately 37-times and 134-times those obtained during therapy in humans, respectively.</p> <p><i>Timolol</i></p> <p>In animal studies, beta-blockers have been shown to produce reduced umbilical blood flow, reduced foetal growth, delayed ossification and increased foetal and postnatal death, but no teratogenicity. With timolol, embryotoxicity (resorption) in rabbit and foetotoxicity (delayed ossification) in rats have been seen at high maternal doses. Teratogenicity studies in mice, rats and rabbits, at oral doses up to 4200 times the human daily dose of COMBIGAN[®], showed no evidence of foetal malformation.</p> <p>PREGNANCY</p> <p>There are no adequate and well-controlled studies with COMBIGAN[®] in pregnant women. Because animal reproduction studies are not always predictive of human response, COMBIGAN[®] should be used during pregnancy only if the potential benefit to the mother justifies the potential risk to the foetus.</p> <p><i>Brimonidine tartrate</i></p> <p>No adequate clinical data on exposed pregnancies are available. Animal studies have shown reproductive toxicity at high maternotoxic doses.</p> <p><i>Timolol</i></p> <p>Epidemiological studies have not revealed malformative effects but shown a risk for intra uterine growth retardation when beta-blockers are administered by the oral route. In addition, signs and symptoms of beta-blockade (e.g. bradycardia, hypotension, respiratory distress and hypoglycaemia) have been observed in the neonate when beta-blockers have been administered until delivery. If COMBIGAN[®] is administered until delivery, the neonate should be carefully monitored during the first days of life.</p> <p>Animal studies with timolol have shown reproductive toxicity at doses significantly higher than would be used in clinical practice. COMBIGAN[®] should not be used during pregnancy unless clearly necessary.</p> <p>LACTATION</p> <p>Timolol is excreted in human milk. It is not known if brimonidine is excreted in human milk but is excreted in the milk of the lactating rat. Therefore, COMBIGAN[®] should not be used by women breast-feeding infants.</p> <p>PAEDIATRIC USE</p> <p>COMBIGAN[®] should not be used in neonates and children under the age of 2 years old. The safety and effectiveness of COMBIGAN[®] in children and adolescents have not been established and therefore, its use is not recommended in children or adolescents. There are no adequate and well-controlled studies with COMBIGAN[®] in children (less than 18 years old). In a 3-month, Phase 3 study in children (ages 2-7 years) with glaucoma inadequately controlled by beta-blockers, a high prevalence of somnolence (55%) was reported with brimonidine tartrate ophthalmic solution 0.2% as adjunctive treatment to topical beta-blockers. This was severe in 8% of the children and led to discontinuation of treatment in 13%. The incidence of somnolence decreased with increasing age, the least being in the 7 year old age group (25%), but was more affected by weight, occurring more frequently in children weighing ≤ 20 kg (63%) compared to those weighing > 20 kg (25%). During post-marketing surveillance, apnoea, bradycardia, coma, hypotension, hypothermia, hypotonia, lethargy, pallor, respiratory depression, and somnolence have been reported in neonates, infants, and children receiving brimonidine either for congenital glaucoma or by accidental ingestion (see CONTRAINDICATIONS section).</p> <p>GERIATRIC USE</p> <p>No overall differences in safety and effectiveness have been observed between elderly and other adult patients.</p> <p>EFFECTS ON ABILITY TO DRIVE AND USE MACHINES</p> <p>COMBIGAN[®] has minor influence on the ability to drive and use machines. COMBIGAN[®] may cause transient blurring of vision, visual disturbance, fatigue and/or drowsiness which may impair the ability to drive or operate machines. Patients who engage in activities such as driving and operating machinery should be cautioned of the potential for a decrease in mental alertness. The patient should wait until these symptoms have cleared before driving or using machinery.</p> <p>ADVERSE EVENTS</p> <p>Based on 12 month clinical data, the most commonly reported ADRs were conjunctival hyperaemia (approximately 15% of patients) and burning sensation in the eye (approximately 11% of patients). The majority of cases was mild and led to discontinuation rates of only 3.4% and 0.5% respectively.</p> <p>The following adverse drug reactions were reported during clinical trials with COMBIGAN[®]:</p> <p><i>Eye disorders</i></p> <p>Very Common (>1/10): conjunctival hyperaemia, burning sensation in the eye Common (>1/100, <1/10): stinging sensation in the eye, eye pruritus, allergic conjunctivitis, conjunctival folliculosis, visual disturbance, blepharitis, epiphora, corneal erosion, superficial punctate keratitis, erythema eyelid, eye dryness, eye discharge, eye pain, eye irritation, foreign body sensation, eyelid oedema, eyelid pruritus Uncommon (>1/1000, <1/100): visual acuity worsened, conjunctival oedema, follicular conjunctivitis, allergic blepharitis, conjunctivitis, vitreous floater, asthenopia, photophobia, papillary hypertrophy, eyelid pain, conjunctival blanching, corneal oedema, corneal infiltrates, vitreous detachment</p> <p><i>Psychiatric disorders</i></p> <p>Common (>1/100, <1/10): depression</p> <p><i>Nervous system disorders</i></p> <p>Common (>1/100, <1/10): somnolence, headache Uncommon (>1/1000, <1/100): dizziness, syncope</p> <p><i>Cardiac disorders</i></p> <p>Uncommon (>1/1000, <1/100): congestive heart failure, palpitations, bradycardia</p> <p><i>Vascular disorders</i></p> <p>Common (>1/100, <1/10): hypertension Respiratory, thoracic and mediastinal disorders Uncommon (>1/1000, <1/100): rhinitis, nasal dryness</p> <p><i>Gastrointestinal disorders</i></p> <p>Common (>1/100, <1/10): oral dryness</p> <p>Uncommon (>1/1000, <1/100): taste perversion, diarrhoea, nausea</p> <p><i>Skin and subcutaneous tissue disorders</i></p> <p>Common (>1/100, <1/10): eyelid oedema, eyelid pruritus, eyelid erythema Uncommon (>1/1000, <1/100): allergic contact dermatitis</p>
<p>experienced ocular allergic type reactions (allergic conjunctivitis and allergic blepharitis) with COMBIGAN[®] in clinical trials. Allergic conjunctivitis was seen in 5.2% of patients. Onset was typically between 3 and 9 months resulting in an overall discontinuation rate of 3.1%. Allergic blepharitis was uncommonly reported (<1%). If allergic reactions are observed, treatment with COMBIGAN[®] should be discontinued. Due to the beta-adrenergic component, timolol, the same types of cardiovascular and pulmonary adverse reactions as seen with systemic beta-adrenoceptor blocking agents may occur.</p> <p>Caution should be exercised in treating patients with severe or unstable and uncontrolled cardiovascular disease (e.g., coronary heart disease, Prinzmetal's angina and cardiac failure) and hypotension. Cardiac failure should be adequately controlled before beginning therapy. Patients with a history of severe cardiac diseases should be watched for signs of cardiac failure and have their pulse rates checked. Due to its negative effect on conduction time, beta-blockers should only be given with caution to patients with first degree heart block. Cardiac and respiratory reactions, including death due to bronchospasm in patients with asthma, and, rarely, death in association with cardiac failures have been reported following administration of timolol maleate.</p> <p>COMBIGAN[®] has not been studied in children under the age of 18 years. However, in a 3-month phase 3 study in children (ages 2-7 years) with glaucoma inadequately controlled by beta-blockers, the use of brimonidine tartrate ophthalmic solution 0.2% led to a high incidence and severity of somnolence in children 2 years of age and above, especially those weighing ≤ 20 kg.82,100 (See PAEDIATRIC USE section.)</p> <p>Delayed ocular hypersensitivity reactions have been reported with brimonidine tartrate ophthalmic solution 0.2%, with some reported to be associated with an increase in IOP.</p> <p>Ophthalmic beta-blockers may impair compensatory tachycardia and increase risk of hypotension when used in conjunction with anaesthetics. The anaesthetist must be informed if the patient is using COMBIGAN[®].</p> <p>Patients with chronic obstructive pulmonary disease of mild or moderate severity should, in general, not receive products containing beta-blockers, including COMBIGAN[®]; however, if COMBIGAN[®] is deemed necessary in such patients, it should be administered with caution.</p> <p>Beta-blockers may also mask the signs of hyperthyroidism and cause worsening of Prinzmetal angina, severe peripheral and central circulatory disorders and hypotension.</p> <p>Ophthalmic beta-blockers may induce dryness of eyes. Patients with corneal diseases should be treated with caution.</p> <p>Caution should be exercised when used concomitantly with systemic beta-adrenergic blocking agents because of the potential for additive effects on systemic beta-blockade. The response of these patients should be closely observed. The use of two topical beta-adrenergic blocking agents is not recommended. COMBIGAN[®] must be used with caution in patients with metabolic acidosis and untreated phaeochromocytoma.</p> <p>Beta-adrenergic blocking agents should be administered with caution in patients subject to spontaneous hypoglycaemia or to uncontrolled diabetic patients (especially those with labile diabetes) as beta-adrenergic blocking agents may mask the signs and symptoms of acute hypoglycaemia. The indicative signs of acute hypoglycaemia may be masked, in particular tachycardia, palpitations and sweating. COMBIGAN[®] should be used with caution in patients with depression, cerebral or coronary insufficiency, Raynaud's phenomenon, orthostatic hypotension.</p> <p>While taking beta-blockers, patients with a history of atopy or a history of severe anaphylactic reactions to a variety of allergens may be more reactive to repeated challenge with such allergens. Such patients may be unresponsive to the usual dose of adrenaline used to treat anaphylactic reactions.</p> <p>As with systemic beta-blockers, if discontinuation of treatment is needed in patients with coronary heart disease, therapy should be withdrawn gradually to avoid rhythm disorders, myocardial infarct or sudden death.</p> <p>Choroidal detachment after filtration procedures has been reported with administration of aqueous suppressant therapy (e.g. timolol, acetazolamide). The preservative in COMBIGAN[®], benzalkonium chloride, may cause eye irritation. Patients wearing soft (hydrophilic) contact lenses should be instructed to remove contact lenses prior to application and wait at least 15 minutes after instilling COMBIGAN[®] before reinsertion. Benzalkonium chloride is known to be absorbed by and discolour soft contact lenses. Avoid contact with soft contact lenses. Patients should be instructed to avoid allowing the tip of the dispensing container to contact the eye or surrounding structures to avoid eye injury and contamination of eye drops.</p> <p>COMBIGAN[®] has not been studied in patients with closed-angle glaucoma.</p> <p>COMBIGAN[®] has not been studied in patients with hepatic or renal impairment. Therefore, caution should be used in treating such patients.</p> <p>DRUG INTERACTIONS</p> <p>No interaction studies have been performed with COMBIGAN[®]. Although specific drug interactions studies have not been conducted with COMBIGAN[®], the theoretical possibility of an additive or potentiating effect with CNS depressants (alcohol, barbiturates, opiates, sedatives, or anaesthetics) should be considered.</p> <p>There is potential for additive effects resulting in hypotension, and/or marked bradycardia when beta-blocker eye drops are administered concomitantly with oral calcium channel blockers, guanethidine, beta- blocking agents, anti-arrhythmics (including amiodarone), digitalis glycosides parasymphomimetics, and other anti-hypertensives. After the application of brimonidine, very rare (<1 in 10,000) cases of hypotension have been reported. Caution is therefore advised when using COMBIGAN[®] with systemic antihypertensives. Although timolol has little or no effect on the size of the pupil, mydriasis has occasionally been reported when timolol has been used with mydriatic agents such as adrenaline. Beta- blockers may increase the hypoglycaemic effect of antidiabetic agents. Beta-blockers can mask the signs and symptoms of hypoglycaemia.</p> <p>The hypertensive reaction to sudden withdrawal of donidine can be potentiated when taking beta- blockers.</p> <p>Potentiated systemic beta-blockade (e.g. decreased heart rate, depression) has been reported during combined treatment with CYP2D6 inhibitors [e.g., quinidine, selective serotonin reuptake inhibitors (SSRIs)] and timolol, possibly because quinidine inhibits the metabolism of timolol via the P450 enzyme, CYP2D6.</p> <p>Concomitant use of a beta-blocker with anaesthetic drugs may attenuate compensatory tachycardia and increase the risk of hypotension, and therefore the anaesthetist must be informed if the patient is using COMBIGAN[®]. Caution must be exercised if COMBIGAN[®] is used concomitantly with iodine contrast products or intravenously administered lidocaine. Cimetidine, hydralazine and alcohol may increase the plasma concentrations of timolol.</p> <p>Tricyclic antidepressants have been reported to blunt the hypotensive effect of systemic clonidine. It is not known whether the concurrent use of these agents with COMBIGAN[®] in humans can lead to resulting interference with the IOP lowering effect. No data on the level of circulating catecholamines after COMBIGAN[®] administration are available. Caution, however, is advised in patients taking tricyclic antidepressants which can affect the metabolism and uptake of circulating amines e.g. chlorpromazine, methylphenidate, reserpine.</p> <p>Caution is advised when initiating (or changing the dose of) a concomitant systemic agent (irrespective of pharmaceutical form) which may interact with α-adrenergic agonists or interfere with their activity i.e. agonists or antagonists of the adrenergic receptor (e.g. isoprenaline, prazosin).</p>	

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<div><div><div>* ARTWORK IS ACTUAL SIZE</div><div>* DROP NOTES AND TEMPLATE BEFORE PROCESSING</div><div>* IF REQUIRED, BARCODE AND CONTROL BAR(S) WILL BE ADDED BY SUPPLIER</div><div>* PERFORATION REQUIRED: NO</div></div></div>	
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