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(54) COMBINATIONAL USE OF LONG-ACTING AND SHORT-ACTING ANTI-HISTAMINES FOR OCULAR ALLERGIES

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(57)**ABSTRACT**

The present invention features the combinational use of short-acting anti-histamine agents in combination with longacting anti-histamine agents to provide rapid, synergistic and long lasting relief towards ocular allergy signs and symptoms.



■ Keto 0.05% Placebo 20 min Figure 1A Mean Ocular Global Redness Scores By Treatment (N=3) 16 Hour DURATION 15 min 2.25 Time (min) Post Allergen Challenge 10 min 2.5 8 20 min 2.83 1.33 15 min ONSET 15 min 2.33 1.17 10 min 0.67 0.5 1.5 ■ Keto 0.05% 2.5 □Placebo Mean Ocular GI bal Redness (0 t 4 scale)

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■ Keto 0.05% Placebo 7 min 16 Hour DURATION 5 min 2.25 N Time (min) Post Allergen Challenge 3 min 1.75 7 min 2.5 15 min ONSET 5 min 2.67 0.33 3 min 2.33 0.33 0.5 2.5 1.5 ■Keto 0.05% ■ Placebo Mean Ocular Itching (0 to 4 scale)



Figure 1B Mean Ocular Itching Scores By Treatment (N=3)

■ Pheniramine 0.5% ■ Placebo 20 min Figure 2A Mean Ocular Global Redness Scores By Treatment (N=3) 16 Hour DURATION 15 min 2.75 က Time (min) Post Allergen Challenge 10 min 2.75 20 min 2.5 0.83 ŵ. 15 min ONSET 15 min 0.67 2.5 ** 10 min 2.17 0.5 0.5 2.5 3.5 ന 2 5. 0 ■Pheniramine 0.5% □Placebo Mean Ocular Global Redness (0 t 4 scale)



■ Pheniramine 0.5% ■ Placebo Figure 2B Mean Ocular Itching Scores By Treatment (15 min. N=3; 16 hr N=2) 7 min 2.75 2.75 16 Hour DURATION 5 min 2.75 Time (min) Post Allergen Challenge ě. 3 min 2.25 7 min 2.83 0.67 15 min ONSET 5 min 0.83 3.17 3 min 3.33 0.67 0.5 3.5 2.5 5. ■Pheniramine 0.5% □Placebo Mean Ocular Itching (0 to 4 scale)



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