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Title	Oral transmucosal fentanyl citrate (OTFC): A novel analgesic agent for use in retinal photocoagulation

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To evaluate the analgesic effect of OTFC during PRP.
To determine the side effect profile of OTFC in patients undergoing PRP.

A prospective, randomised, crossover trial of OTFC 200mcg versus placebo. Consecutive patients (n=35) undergoing PRP were randomised into two groups. Each patient attended twice, one week apart, receiving a standardised laser treatment of 1500 burns at each visit. Group one received an OTFC lozenge at visit one, and a placebo lozenge at visit two. Group two received the lozenges in reverse order. After each visit, patients completed a visual analogue pain score and side effect questionnaire.

The mean pain score for OTFC was significantly lower than placebo ($p < 0.001$). Patients undergoing secondary PRP experienced a greater reduction in pain score ($p < 0.08$). Four (11%) patients reported 'moderate' or 'severe' nausea, dizziness or drowsiness. No adverse events occurred.

OTFC is an effective and well tolerated analgesic in PRP.

Interim data presented at BEAVRS, November 2007.