Timolol Eye Drops in the Treatment of Acute Migraine Headache

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Statistical Analysis


The main outcome measure was percent of migraine attacks at 0 or 1 after treatment with timolol or artificial tears.  A total of 198 migraine attacks were studied among 10 participants.  The groups were compared using a Wilcoxon match paired test to account for repeated measurements and the difference between the two groups was found not to be significant.  A 2-tailed chi-squared statistic suggested that 172 randomized participants would be needed to power a study with alpha </= 0.05 and beta </= 0.2.