

( ) R1 ( ) R2 ( ) R3 (X) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )  
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### **Evaluate of pressure intra ocular with topic antiglaucomatous after posterior capsulotomy with laser Yag.**

Minello,A.A.P.;Prata Jr.J.A.;Mello,P.A.A. Purpose:Analyse and to compare the effects of topic hipotensors,in unique series,about the Po after posterior capsulotomy with laser Yag in pseudophaciks eyes of normal people. Methods: 145 psedophaciks eyes with posterior capsulotomy suffered posterior capsulotomy with laser Yag.Cases included were patients without oculars anomalies and without side-effects of topic carbonic anidase.The patients were selected of random form.Group I (Apraclonidine 1%), II (Brimonidine 2%), III (Dorzolamide2%), IV (Latanoprost 0,005%), V (Pilocarpine 2%), VI (Timolol 0,50%) topics before laser procedure and group VII didn't receive treatment (control group). Po was realized by hidden form,before procedure and after 1 and 2 hours. Capsulotomy with Abraham lens, topic anesthetic, laser Yag of Nd, Po with aplanation tonometry of Goldmamm. Minimum energy and spots. Ocular hipertension smaller or similar to 4 mmHg. Estatistic analise: Test of Fisher, ANOVA and T-Student-Newman Keuls. Results: Treere wasn't substantial difference among sex, color and age ( $p=0,1$ ). Po pre didn't differ from estatistic ( $p=0,2$ ). After 1 hour, there was a substantial estatistic difference ( $p=0,001$ ) in comparison to values of Po and between agents and the control (except Pilocarpine), Apraclonidine differed after 2 hours (less than 0,0001) of control, Pilocarpine and Latanoprost. Contol differed from Apraclonidine, Brimonidine and Timolol. The others comparations weren't substantial estatistic. ANOVA- Po initial there was difference ( $p < 0,0001$ ). Student- difference in the control (except Pilocarpine).Apraclonidine differed from other agentes. Dorzolamide and Timolol differed from Pilocarpine. Conclusions: There wasn't previous study. Frequency of hipertension among the groups: there wasn't substantial estatistic difference. Treere was less increase percentage with less level of Po after 2 hours in patients pretreatment. Dorzolamide less level of Po after 2 hours. Pilocarpine and Latanoprost showed less affect about the Po. Apraclonidine reduced the Po when compared to control,Brimonidine, Dorzolamide, Latanoprost, Pilocarpine and Timolol.