

(X) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )  
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**TREATMENT OF SUBMACULAR HEMORRHAGE DUE TO POLYPOIDAL VASCULOPATHY WITH INTRAVITREAL TISSUE PLASMINOGEN ACTIVATOR INJECTION COMBINED WITH PNEUMATIC DISPLACEMENT FOLLOWED BY VERTEPORFIN PHOTODYNAMIC THERAPY**

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Purpose: to report visual and anatomic results after treatment of polypoidal vasculopathy with intravitreal tissue plasminogen activator associated to pneumatic displacement using C3F8 followed by verteporfin photodynamic therapy. Methods: interventional case report of a 65yo male who presented with visual acuity for 7 days in his right eye. Results: after 1 week of a single t-PA injection combined with intravitreal gas application association to anatomical improvement as shown by angiography and optical coherence tomography study there was a significant blood displacement from the macula allowing fluorescein and indocyanine angiography studies which demonstrated a hyperfluorescent lesion suggestive of polypoidal choroidal vasculopathy. The best corrected visual acuity showed an increase of 3 lines as well as face up followed by face down positioning after treatment during a follow period of 4 months. Conclusion: The use of combined therapy with t-PA, C3F8 face up followed by face down positioning as well and verteporfin photodynamic therapy may be an useful alternative treatment for polypoidal choroidal vasculopathy with favorable visual and anatomic outcome.