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Persistence of free internal limiting membrane after use of Nd:YAG laser treatment of valsalva retinopathy**Rodrigo Schwartz Pegado**
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Here, we report the case of a patient who underwent Nd:YAG treatment of macular hemorrhage in Valsalva retinopathy with a persistent ILM unsealed after Nd:YAG membranotomy. The Valsalva maneuver was named after the Italian anatomist Antonio Maria Valsalva (1666-1723), who defined the Valsalva ligaments and anatomy related to the forced exhalation effort against a glottis. The Valsalva retinopathy usually appears as a pre-macular hemorrhage limited, but its exact anatomical location, subMLI or subialoide, is still controversial and difficult to define by ophthalmoscopy. The Valsalva retinopathy occurs in healthy young adults as a result of weight lifting, constipation (Stretching the toilet), vomiting, cough (asthma), sneezing, work, airbag automobile trauma related, vigorous sexual activity, dance vigorous, bungee jumping, comprehensive injury and is also associated with fiber optic gastroenteroscopy. Creating a sudden increase in intra-thoracic and intra-abdominal pressure can cause a rapid increase in venous pressure with spontaneous rupture of capillaries perifoveal retina (Valsalva retinopathy), leading to a sudden and painless loss of vision. The low cost outpatient procedure is relatively safe and results in faster recovery as well as in good visual results in most patients with Valsalva retinopathy. Previous studies have shown that, in patients with acute premacular hemorrhage, the Nd: YAG membranotomy must be performed within the first three weeks to avoid the failure of blood draining into the vitreous. In our case, there was a persistent ILM unsealed after the Nd: YAG membranotomy, as demonstrated by tracking Optical Coherence Tomography (OCT).

Biography

Rodrigo Schwartz Pegado has completed his Post-graduation in Ophthalmology from the University of Pontificia Católica in Rio de Janeiro, Brazil; Master's degree in 2010 from the Universidade Federal Fluminense, Niteroi, Brazil. He is the Director of the Brazilian Institute of Assistance and Research in Ophthalmology and a member of the Brazilian Society of Retina and Vitreous. He has served as the Editorial Board of the *Journal of Ophthalmology*.

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