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## Macular holes: Secrets of a successful surgery

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A macular hole is a full-thickness defect or tear of retinal tissue involving the anatomic fovea of the eye. It was first described by Knapp in 1869, in a patient with a history of ocular trauma. Mainly it is classified as idiopathic and secondary. The standard surgery for repair of macular hole was described by Kelly and Wendel in 1991 and involves a standard three-port pars planovitrectomy, with removal of cortical vitreous and any epiretinal membrane. The surgical goal is to remove enough of the surrounding membrane, when present, to relieve traction that could prevent flattening of the edges of the macular hole. A total air-fluid gas exchange is performed to desiccate the vitreous cavity; this is followed by a gas-air exchange using a non-expansile concentration of a long-acting (e.g., 16% C3F8) or mid-term (SF6) gas. Strict face-down positioning to encourage contact of the gas bubble against the macular hole for at least 1 week (and as long as 3 or 4 weeks) had been accepted as important as the technical components of the procedure for several years. Even it is given with high success rates up to 100% in the literature it may not be the case in reality for most of the surgeons. In this lecture it is aimed to be given some secrets and pearls of surgical techniques those may not be found in the written literature.

## Biography

Huseyin Yetik was graduated from Istanbul University in 1996 and completed his Ophthalmology Residency program in 2000 from Istanbul University, Cerrahpasa School of Medicine. He became an Associate Professor in 2006 and full Professor in 2014 in Cerrahpasa. He has worked in several governmental and private hospitals as Academician including Goztepe Educational Hospital, Zeynep-Kamil Educational Hospital, Yeditepe University School of Medicine; Memorial Health Group. He has also worked in Azerbaijan, Albania and Kazakhstan as Academician and Vitreoretinal Consultant. He is currently a Professor at Istanbul University, Cerrahpasa School of Medicine and Vitreoretinal Consultant and Chief of Ophthalmology Department of Surp Pargic Armenian Foundation Hospital which is one of main Armenian Foundations in world as well as he is also a Chief Vitreoretinal Consultant Surgeon of 15 private hospitals in Istanbul, Turkey. He is a Member of American Academy of Ophthalmology, American Association of Retina Specialist, European Retina Society (EURETINA) and Turkish Ophthalmology Society.

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