VDM PROJECT

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Research Proposal 3 of 3

Vitreous Floaters Functional Questionnaire

VMR Research Foundation

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Project Overview

Daily function and quality of life are greatly impacted for individuals suffering from vitreous floaters and Vision Degrading Myodesopsia (VDM). Historically, the U.S. National Eye Institute Visual Function Questionnaire (VFQ) has been used to assess the impact of various diseases of the eye on daily living and quality of life.

Recent studies have suggested that the VFQ is inadequate for the assessment of how vitreous floaters & VDM impact the lives of sufferers. Thus, this research is intended to develop and test a new questionnaire specifically designed to query how the lives of people have been impacted by vitreous floaters, hence the name Vitreous Floaters Functional Questionnaire (VFFQ).

The VFFQ will be compared to the VFQ results for a series of patients suffering from vitreous floaters and VDM who chose to undergo limited vitrectomy to cure their disease.[1, 2]

Repeat testing will be done post-operatively, and the results will be compared to pre-operative findings. The findings will also be correlated with quantitative ultrasonography[3] and measurements of contrast sensitivity function.[4]

It is anticipated that the VFFQ will be superior to the VFQ and that this will promote the use of the VFFQ in a variety of ways: to gather information about the prevalence of vitreous floaters in the world; to determine how severely vitreous floaters impact quality-of-life; to provide a validated tool to use for the development of new, less invasive therapies to cure VDM.

Appendix

1. Sebag J, Yee, KMP, Huang L, Wa C, Sadun AA: Vitrectomy for floaters – prospective efficacy analyses and retrospective safety profile. Retina 34:1062-68, 2014

2. Sebag J, Yee KMP, Nguyen JH, Nguyen-Cuu J: Long-term safety and efficacy of vitrectomy for Vision Degrading Myodesopsia from vitreous floaters. Ophthalmology Retina 2:881-7, 2018

3. Mamou J, Wa CA, Yee KM, Silverman RH, Ketterling JA, Sadun AA, Sebag J: Ultrasound-based quantification of vitreous floaters correlates with contrast sensitivity and quality of life. Invest Ophthalmol Vis Sci 56:1611–1617, 2015 https://doi:10.1167/iovs.14-15414

4. Garcia G, Khoshnevis M, Nguyen-Cuu J, Yee KMP, Nguyen JH, Sadun AA, Sebag J: The effects of aging vitreous on contrast sensitivity function. Graefe's Arch Clin Exp Ophthalmol 256:919-925, 2018 https://doi: 10.1007/s00417-018-3957-1

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