



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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MONA MAGHRABY



Assessment of Macular Function by Multifocal Electroretinography Following Idiopathic Epiretinal Membrane Surgery with Internal Limiting Membrane Peeling

Thesis

*Submitted for Partial Fulfillment of the Master
Degree in Ophthalmology*

By

Nada Fathy Ahmed Abdou
M.B.B.Ch.

Under supervision of

Prof. Dr. Sherif Nabil Embabi

*Professor of Ophthalmology
Faculty of Medicine Ain Shams University*

Dr. Karim Magdi Naguib

*Lecturer of Ophthalmology
Faculty of Medicine Ain Shams University*

Dr. Ahmed Mohamed Habib

*Lecturer of Ophthalmology
Faculty of Medicine Ain Shams University*

*Faculty of Medicine
Ain Shams University*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قُلْ لِّمَنَ عِندِي عِلْمُ الْغُيُوبِ

صدق الله العظيم

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List of Abbreviations

Abb.	Full term
μm	Micrometer
AF	Autofluorescence
AMD	Age related macular degenerations
AO-SLO	Adaptive optics scanning laser ophthalmoscopy
APVD.....	Anomalous posterior vitreous detachment
BBG	Brilliant Blue G
BCVA.....	Best corrected visual acuity
CFT.....	Central foveal thickness
CME.....	Cystoid macular edema
CMR.....	Cellophane macular reflex
COST	Cone outer segment tip
CPR.....	Central-peripheral rivalry
CST	Central subfield thickness
DCP	Deep capillary plexus
DD.....	Disc diameter
DFV	Disk–fovea–vascular distance
DME	Diabetic macular edema
DONFL.....	Dissociated optic nerve fiber layer
DRIL.....	Disorganization of inner retinal layers
ECM.....	Extracellular matrix
EDI	Enhanced depth imaging
EIFL	Ectopic inner foveal layer
ERG	Electroretinogram
ERM.....	Epiretinal membrane
ETDRS.....	Early Treatment Diabetic Retinopathy Study

List of Abbreviations Cont...

Abb.	Full term
EZ	Ellipsoid zone
FA	Fluorescein angiography
FAF	Fundus autofluorescence
FAZ	Foveal avascular zone
fERG	Focal electroretinogram
FTMH	Full thickness macular hole
GC-IPL	Ganglion cell–inner plexiform layer complex
GCL	Ganglion cell layer
ICG	Indocyanine green dye
iERM	Idiopathic epiretinal membrane
ILM	Internal limiting membrane
INL	Inner nuclear layer
IOP	Intraocular pressure
IPL	Inner plexiform layer
IRI	Inner retinal irregularity index
IS/ OS	Inner/outer segment layer
ISCEV	International Society for Clinical Electrophysiology of Vision
K1	First-order kernel
LCD	Liquid crystal display
LMH	Lamellar macular hole
Log MAR	Logarithm of the minimal angle of resolution
mfERG	Multifocal electroretinogram
MH	Macular hole
MPH	Macular pseudo hole
NVS	Non-vitreotomizing vitreous surgery

List of Abbreviations Cont...

Abb.	Full term
OCT	Optical coherence tomography
OCT-A.....	Optical coherence tomography angiography
ONL	Outer nuclear layer
OPL.....	Outer plexiform layer
PCIOL.....	Posterior chamber intraocular lens implantation
pERG	Pattern electroretinogram
PHP	Preferential hyperacuity perimeter
PMF	Premacular fibrosis
PPV.....	Pars plana vitrectomy
PPVP	Posterior precortical vitreous pocket
PROS	Photoreceptor outer segment
PRVEPs	Pattern reversal visual evoked potentials
PVD	Posterior vitreous detachment
RD.....	Retinal detachment
RPE.....	Retinal pigment epithelial cells
RVO	Retinal vein occlusion
SANFL.....	Swelling of the arcuate retinal nerve fiber layer
SCP	Superficial capillary plexus
SD-OCT	Spectral domain Optical Coherence tomography
SRF	Subretinal fluid
TFT	Thin-film-transistor
TGF β	Transforming growth factor β
VA.....	Visual acuity
VD.....	Vessel density

List of Abbreviations Cont...

Abb.	Full term
VMA.....	Vitreomacular adhesion
VMI.....	Vitreomacular interface
VMT.....	Vitreomacular traction
VRI.....	Vitreoretinal interface

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