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CURRENT POSITIONS

Vitreoretinal diseases and surgery, and Uveitis, Midwest Eye Institute, Indianapolis, 1999 - present
Clinical Associate Professor, Volunteer, Dept. of Ophthalmology, Indiana University School of Medicine
Volunteer Consultant, ORBIS
Steering Committee, Member, Diabetes Retinopathy Clinical Research Network, 2008-
Board member, Prevent Blindness Indiana 2008 -

RECENT RESEARCH ACCOMPLISHMENTS

Developed the first multi-center, controlled clinical trial utilizing Ganzfeld ERG for the evaluation of long-term drug toxicity, LVGO study, Eli Lilly, 2002 – 2007

Developed, from conception to execution, a crossover clinical trial for the Electrophysiologic evaluation of retinal side effects of antibiotic using mf-ERG, Ganzfeld ERG and VEP testing, Sanofi-Aventis, 2005 - 2008

Site of the Month, Nov 2007 – DRCR network. Awarded to a site with the best overall research practice – including recruitment, follow-up and protocol adherence.

RESEARCH STUDIES

Principal Investigator, SCORE triamcinolone study for vein occlusion, NIH sponsored
Principal Investigator, PKC- β inhibitor for diabetic retinopathy, Eli Lilly, MB7A
Principal investigator, Diabetic Diabetic Retinopathy Clinical Research Network, NIH
Principal Investigator, Envision Implant for Uveitis, Bausch & Lomb
Principal Investigator, Posurdex implant for macular edema, Allergan
Principal Investigator, Brimonodine-implant for the treatment of Geographic Atrophy
Principal investigator, Brimonodine-implant for the treatment of optic neuropathy
Principal Investigator, Treatment of cystoid macular edema, with P2Y2 agonist, Inspire Pharmaceuticals
Principal Investigator, Uveitis associated edema treatment with P2Y2 agonist, Inspire Pharmaceuticals
Principal Investigator, LX211 for Uveitis, Lux Biosciences
Principal Investigator, Retject for diabetic macular edema, Novagali
Principal Investigator, PF-0452365 vs. laser for macular edema, Pfizer
Principal Investigator, Long term safety of oral Tadalafil, Eli Lilly
Principal Investigator, PKC- β inhibitor for diabetic retinopathy, Eli Lilly, MBCM
Principal Investigator, PKC- β inhibitor for diabetic retinopathy, Eli Lilly, MBDV & MBCU
Principal Investigator, Prevention of Proliferative vitreo-retinopathy in retinal detachment, Immusol
Principal Investigator, P2Y2 receptor agonist for retinal detachment, Inspire Pharmaceuticals
Principal Investigator, Allergan Brimo PS DSS for Geographic Atrophy from ARMD
Principal Investigator, Allergan Brimo PS DSS for Primary Open Angle Glaucoma
Associate Investigator, CIBA/Visudyne Expanded Access study, Novartis
Associate Investigator, Anchor trial, Marina and Focus trials: Lucentis for Macular Degeneration

RESEARCH INTERESTS

Novel treatments for Age-related Macular Degeneration
Development of clinical trials for Diabetic Retinopathy
Genetic diseases, Multifocal electroretinography, Ocular drug toxicity

ACADEMIC POSITIONS

Volunteer Clinical Assistant Professor, Department of Ophthalmology, Indiana University School of Medicine
Reviewer, *Ophthalmology*, official Journal of the American academy of Ophthalmology
Reviewer, *Archives of Ophthalmology*, journal of the American Medical Association
Reviewer, *Eye*, official journal of the Royal College of Ophthalmologists
Reviewer, *Ophthalmic Research*
Reviewer, *Comprehensive Ophthalmology Update*
Reviewer, *Ophthalmic surgery and Lasers*

Reviewer, *RETINA***EDUCATION**

- Fellow in Vitreoretinal Diseases and Surgery, University of Iowa, Iowa city, IA 7/97 – 6/99
- Resident in Ophthalmology, Baylor College of Medicine, Houston, TX 7/94 - 6/97
- Intern, Transitional program, Baylor College of Medicine, Houston, TX 7/93-6/94
- M.D. (with Honors), New York University School of Medicine, NY, NY June 1993
- Research Scholar, National Eye Institute, NIH, Bethesda, MD 6/92 - 9/92
- B.S. (Summa cum laude), Sophie Davis School of Biomedical Ed., NY, NY 1991

HONORS & AWARDS

- Lion's Club award for work at eye hospital, Hydrabad India 2002
- The Vitreous Society Annual Meeting, best video "Multifocal Electroretinography" 2001
- Heed Ophthalmic Fellowship 1997
- Magna Cum Laude Citation for excellence of scientific exhibit, ASNR, Seattle 1996
- Successfully defended thesis in Medical and Molecular Parasitology 1993
- First Place Award, Student Research Presentations 1992
- Summer Research Fellowship of N.Y.U. Medical School 1991
- Appalachian Fellowship 1991
- Mack Lipkin Fellowship 1990-91

BOOK CHAPTERS

Multifocal Electroretinography in the evaluation of macular disease, Raj K. Maturi, M.D., Yu, Minzhong, Ph.D. Editors: Ciulla, Thomas A. , Regillo, Carl D., *Ocular Posterior Segment Imaging*, 2003.

Non-exudative Age Related Macular Degeneration, Raj K. Maturi, M.D. R. Hampton Roy, Editor. Emedicine.com 2008

Autoimmune retinal diseases, Raj K. Maturi, M.D. and Valerie A. Purvin, M.D. R. Hampton Roy, Editor. Emedicine.com, 2008.

PUBLICATIONS

Diabetic Retinopathy Clinical Research Network, Scott IU, Edwards AR, Beck RW, Bressler NM, Chan CK, Elman MJ, Friedman SM, Greven CM, **Maturi RK**, et. al. A phase II randomized clinical trial of intravitreal bevacizumab for diabetic macular edema. *Ophthalmology*. 2007 Oct;114(10):1860-7

Maturi, RK, Bleau LA, Wilson DL. Electrophysiologic findings after intravitreal bevacizumab (avastin) treatment. *Retina*. 2006 Mar;26(3):270-4.

Maturi, RK, Yu M, Weleber R Multifocal ERG in the evaluation of chronic Hydroxychloroquine use *Arch Ophthalmol*. 2004 Jul;122(7):973-81.

Moshfeghi DM, Kaiser PK, Bakri SJ, Kaiser RS, **Maturi RK**, Sears JE, Scott IU, Belmont J, Beer PM, Quiroz-Mercado H, Mieler WF. Presumed sterile endophthalmitis following intravitreal triamcinolone acetonide injection. *Ophthalmic Surg Lasers Imaging*. 2005 Jan-Feb;36(1):2

Purvin V, **Maturi R**, Vaphiades MS Sprint car visual loss. *Surv Ophthalmol*. 2004 Jan-Feb;49(1):90-5.

Moshfeghi DM, Kaiser PK, Scott IU, Sears JE, Benz M, Sinesterra JP, Kaiser RS, Bakri SJ, **Maturi RK**, Belmont J, Beer PM, Murray TG, Quiroz-Mercado H, Mieler WF. Acute endophthalmitis following intravitreal triamcinolone acetonide injection. *Am J Ophthalmol*. 2003 Nov;136(5):791-6.

Maturi RK, Kitchens JW, Spitzberg DH, Yu M. Choroidal neovascularization after LASIK. *J Refract Surg*. 2003 Jul-Aug;19(4):463-4.

- Maturi RK**, Yu M, Sprunger DT. Multifocal electroretinographic evaluation of acute macular neuroretinopathy *Arch Ophthalmol*. 2003 Jul;121(7):1068-9.
- Oh, K.T., Folk, J.C., **Maturi, R.K.**, Kardon, R.H, Moore, P.H. Evaluation of patients with Multiple evanescent White dot syndrome and related conditions using multifocal electroretinography *Retina*. 2001;21(6):581-9.
- Ciulla, TA, Harris, A, Kagemann, L, Danis, RP, **Maturi, RK**, McNulty L, Pratt LM, Xiao M., Criswell MH, Weinberger D Transpupillary thermotherapy for subfoveal occult choroidal neovascularization: effect on ocular perfusion. *Invest Ophthalmol Vis Sci*. 2001 Dec;42(13):3337-40..
- Oh, K.T., Boldt, H.C., **Maturi, R.K.**, Folk, J.C., Kardon, R.H. Evaluation of patients with visual field defects following macular hole surgery using multifocal electroretinography *Retina* 20:238-243.
- Maturi R.K.**, Merrill P.T., Lomeo M.D., Diaz-Rohena R, Khan M, Lambert H.M. Perfluoro-N-octane (PFO) in the repair of complicated retinal detachments due to severe proliferative diabetic retinopathy. *Ophthalmic Surg Lasers* 1999, 30(9): 715-20
- Maturi, R.K.**, Folk J.C. Human T-cell lymphotropic virus antibody in phakic cystoid macular edema. *Arch Ophthalmol* 1999, 117(11): 1571
- Maturi, R.K.**, Folk J.C., Nichols B, Oetting T.T., Kardon R.H. Hydroxychloroquine retinopathy. *Arch Ophthalmol* 1999, 117(9): 1262-3
- Font, R.L., **Maturi, R.K.** Hepatocellular carcinoma metastatic to the orbit: Case report and review of the literature *Arch Ophthalmol* 1998 Jul;116(7):942-5
- Herrick, R.C., Hayman, L.A., **Maturi, R.K.**, Diaz, P.J., Tang, R.A., Lambert, H.M. Optimal imaging protocol after intraocular silicone oil tamponade *American Journal of Neuroradiology*. 1998, 19:101-8.
- Maturi, R.K.**, Font, R.L. Ultrastructural features and prevalence of tubuloreticular structures in the ocular vasculature of patients with AIDS: A study of twenty three cases. *British Journal of Ophthalmology*. 1996; 80:252-5.
- Husain, S.E., Kohnen, T., **Maturi, R.K.**, Er, H., Koch, D.D. Computerized videokeratography and keratometry in determining intraocular lens calculations. *Journal of Cataract and Refractive Surgery*. 1996; 22:362-6.
- Hayman, L.A., **Maturi, R.K.**, Pflieger, M.J., Diaz-Machran, P., Horowitz, B., Tang, R.A., Soparkar, C.N.S., Patrinely, J.R. Magnetic resonance imaging of the eyelids: normal and pathologic findings. *American Journal of Roentgenology*. 1995; 165(3):639-44.
- Kozhich, A.T., Kawano, Y., Egwuagu, C.E., Caspi, R.R., **Maturi, R.K.**, Berzofsky, J.A., Gery, I. A pathogenic autoimmune process target at a surrogate epitope. *Journal of Experimental Medicine*. 1994; 180:133-140.
- Bienen, E.J., **Maturi, R.K.**, Pollakis, G., Clarkson, A.B. Non-cytochrome mediated mitochondrial ATP production in bloodstream form *Trypanosoma brucei*. *European Journal of Biochemistry*. 1993; 216(1): 75-80.
- Maturi, R.K.**, Bienen, E.J., Pollakis, G., Clarkson, A.B. Non-cytochrome mediated oxidative phosphorylation in mitochondria of bloodstream form *Trypanosoma brucei*. *Journal of Cellular Biochemistry*. 1992; Supp 16A:438.
- Wolf, J., **Maturi, R.K.** Ultraviolet extinction curves of stars with peculiar spectra. *Physics Teachers Journal*. 1986; 5:1-6.

PRESENTATIONS AND ABSTRACTS (SELECTED REFERENCES ONLY)

Maturi RK Visual function after intravitreal injection of Avastin vs steroid then Avastin in branch and central retinal vein occlusions. *American Society of Retina Specialists*, Palm Desert, CA 2007

Cordell WH, **Maturi RK**, *et al.* Tadalafil 5 mg or Sildenafil Citrate 50 mg Administered Daily for 6 Months Does Not Affect Visual Safety. SMSNA Annual meeting, Chicago, IL 2007.

Maturi RK NAION and PDE 5 inhibitors: what is known, and what is unknown. March 2006 Athens, Greece, Sponsor: Eli Lilly and Co.

Maturi RK Visual function after intravitreal injection of Avastin vs steroid then Avastin in branch and central retinal vein occlusions. *American Society of Retina Specialists*, Palm Desert, CA 2007

Gross JG, Kokame, GT, Weinberg D, Ryan EH, Fishburne BC, Glaser DA, Brod RD, Cohen SM, Francis RR, Garcia R, Grigs PB, **Maturi RK**, McDonald RH, Merrill PT, Millay RH, Scott IU. In the bag intraocular lens dislocation *American Academy of Ophthalmology Annual Meeting*, Poster New Orleans, 2001.

McNulty, LA, Ciulla TA, Harris, A, **Maturi, R**, Kagemann, L, Pratt LM, Criswell, MH Transpupillary thermotherapy for subfoveal occult CNVM: Effect on ocular perfusion and mechanistic implications. Poster, Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL, 2001.

Maturi, R.K., Kardon R H, Moore, P Folk JC Multifocal Electroretinography is a useful tool in the management of Multifocal Choroiditis Poster, *American Academy of Ophthalmology Annual Meeting, Vitreoretinal Update* Orlando, FL, 1999.

Boldt, H.C., **Maturi, R.K.**, Oh, K.T., Folk, J.C., Kardon, R.H. Assessment of visual field defects following vitrectomy for macular holes with multifocal electroretinograms and nerve fiber layer analysis, *The Macula Society* Boca Raton, FL 1998.

Maturi, R.K., Kohnen, T., Koch, D.D. Astigmatic changes in small incision cataract surgery. Poster, *Association for Research in Vision and Ophthalmology*, Ft. Lauderdale, FL, 1997.

Maturi, R.K., Herrick, R.C., Lambert, H.M., Tang, R., Hayman, L.A. Optimal MRI protocol for the evaluation of eyes with silicone oil. Poster, *Association for Research in Vision and Ophthalmology*, Ft. Lauderdale, FL, 1996.

Merrill, P., **Maturi, R.K.**, Kahn, M.M., Lambert, H.M. Perfluor-N-Octane (PFO) usage during vitrectomy for diabetic retinal detachments. Poster, *Association for Research in Vision and Ophthalmology*, Ft. Lauderdale, FL, 1996.

Emery, J., **Maturi, R.K.** Comparison of surgically induced corneal astigmatism in unsutured 3-mm versus 4-mm temporal corneal tunnel incision. Paper, *American Society of Cataract and Refractive Surgery*, Seattle, WA, 1996.

Kuo, M.D., Mayo, G., **Maturi, R.K.**, Hayman, L.A. Clinical and Radiographic sequelae of traumatic orbital subperiosteal hematomas. Poster, *American Society of Head and Neck Radiology*, 1996.

Maturi, R.K., Hayman, L.A., Tang, R.A., Soparkar, C.N.S., Patrinely, J.R. Magnetic resonance imaging of the eyelid complex: Anatomy and Pathology. Poster, *American Academy of Ophthalmology Annual Meeting*, Atlanta, GA, 1995.

Herrick, R.C., Hayman, L.A., Taber, K.H., **Maturi, R.K.**, Tang, R.A., Woon, C.S. Pitfalls encountered in MR imaging of the orbit. Poster, *Radiological Society of North America Scientific Exhibit*, 1996.

Maturi, R.K., Koch, D.D. On-meridian scleral tunnel cataract surgery. Paper, *American Society of Cataract and Refractive Surgery*, San Diego, CA, 1995.

Maturi, R.K., Nussenblatt, R.B., de Smet, M.D. Prevalence of tear hyposalivation and vitamin A deficiency in patients with AIDS. Poster, *Association for Research in Vision and Ophthalmology*, Sarasota, FL, 1994.

Maturi, R.K., Shirkey, B.L., Sasamoto, Y., Kozhich, A.T., Caspi, R.R., Gery, I. T-Lymphocyte anergy towards a uveitogenic IRBP-derived peptide is an active and reversible process. Paper, *Association for Research in Vision and Ophthalmology*, Sarasota, FL, 1993.

Hikita, N., Chan, C.C., Mochizuki, M., **Maturi, R.K.**, Nussenblatt, R.B., Whitcup, S.M. Topical FK 506 inhibits endotoxin-induced uveitis (EIU). Poster, *Association for Research in Vision and Ophthalmology*, Sarasota, FL, 1993.

SOCIETY MEMBERSHIPS

- The American Society of Retina Surgeons
- Society of Heed Fellows
- Indianapolis Ophthalmology Society, Past vice-President
- Indiana Academy of Ophthalmology,
- American Academy of Ophthalmology

PERSONAL

Married Dheepa R. Maturi, J.D., two children, born 1998 and 1999

Interests Use of computers/technology in ophthalmologic care
 Ocular health issues in the developing world
 Efficiency in Health Care

Languages Spanish, Hindi, Telugu