

# Robert Steinmetz, MD

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## EDUCATION

**B.A. Magna Cum Laude, Luther College, Decorah, Iowa**

**M.D. University of Iowa College of Medicine, Iowa City, Iowa**

## POSTGRADUATE TRAINING

- **The Gundersen Medical Foundation, LaCrosse Lutheran Hospital, LaCrosse, Wisconsin**  
Rotating Internship **1982 - 1983**
- **The University of Utah, Salt Lake City, Utah**  
Ocular Pathology Fellowship with David J. Apple, M.D. **07/1983 - 10/1983**
- **Pacific Presbyterian Medical Center, San Francisco, California**  
Residency in Ophthalmology **11/1983 - 10/1986**
- **The Jules Stein Eye Institute, UCLA, Los Angeles, California**  
Fellowship in Vitreous and Retinal Diseases and Surgery **07/1987 - 06/1989**
- **Moorfields Eye Hospital, London, England**  
Medical Retina Fellow to Alan C. Bird, M.D., FRCS **07/1989- 02/1991**

## TEACHING APPOINTMENTS

- **University of Essen Eye Hospital, Essen, Germany**  
Oberarzt, (senior staff member) Director: Prof. Dr. A. Wessing **05/1991 - 02/1992**
- **University of Bonn Eye Hospital, Bonn, Germany**  
Oberarzt, Director: Prof. Dr. M. Spitznas **03/1992 - 12/1992**
- **Florida State University, School of Medicine**  
Clerkship Faculty **11/2003 - present**

## EMPLOYMENT POST TRAINING

- **Southern Vitreoretinal Associates, PPL** **1993 - present**

## CERTIFICATION AND LICENSURE

- **American Board of Ophthalmology** **1990**  
Licensed Physician in the states of Florida, Georgia, and Alabama

## HOSPITAL AFFILIATIONS

- **Tallahassee Memorial Hospital, Tallahassee, FL**
- **Phoebe Putney Memorial Hospital, Albany, GA**

## HONORARY SOCIETIES

- **American Academy of Ophthalmology (fellow)** **1990**

- **American Society of Retinal Surgeons (Vitreous Society)** 1997
- **The Retina Society** 2005

#### ASSOCIATIONS

- **American Medical Association** 1993
- **Florida Society of Ophthalmology** 1998

#### AWARDS

- **Abe Meyer Fellowship** 1987 - 1989

#### PUBLICATIONS

##### Peer-reviewed Journal Articles:

Apple DJ, Craythorn JM, Reidy JJ, Steinmetz RL, Brady SE, and Bohart WA. Malignant transformation of an optic nerve melanocytoma. *Can J Ophthalmol* 1984;119:320.

Mamalis N, Apple DJ, Notz RG, Steinmetz RL, Loftfield K, and Olson RJ. Phacoanaphylactic endophthalmitis following ECCE and IOL implantation. (Guest editorial) *Am Intraocular Implant Soc J* 1984;10:423-424.

Apple DJ, Mamalis N, Steinmetz RL, Loftfield K, Crandall AS, and Olson RJ. Phacoanaphylactic endophthalmitis associated with extracapsular cataract extraction and posterior chamber intraocular lens. *Arch Ophthalmol* 1984;102:1528-1532.

Reidy JJ, Apple DJ, Steinmetz RL, Craythorn JM, Loftfield K, Gieser SC, and Brady SE. Melanocytoma: Nomenclature, pathogenesis, natural history, and treatment. *Surv Ophthalmol* 1985;29:319-327.

Ai E, and Steinmetz RL. Aging and the retina. *Geriatr Ophthalmol* 1987; 3:8-11.

Steinmetz RL, Kreiger AE, and Sidikaro Y. Previtreal space gas sequestration during pneumatic retinopathy. (Letter) *Am J Ophthalmol* 1989;107:191-192.

Steinmetz RL, Masket S, and Sidikaro Y. The successful removal of a subretinal cysticercus by pars plana vitrectomy. *Retina* 1989; 9:276-280.

Steinmetz RL, Straatsma BR, and Rubin ML. Posterior vitreous cyst. *Am J Ophthalmol* 1990;109:295-297.

Steinmetz RL, Straatsma BR, Rubin ML. Posterior vitreous cyst. (Correspondence). *Am J Ophthalmol* 1990; 110:326.

Steinmetz RL, Garner A, Maguire JI, and Bird AC. Histopathology of incipient fundus flavimaculatus. *Ophthalmol* 1991; 98:953-956.

Steinmetz RL, Fitzke FW, and Bird AC. Treatment of cystoid macular edema with acetazolamide in a patient with serpiginous choroidopathy. *Retina* 1991; 11:412-415.

Steinmetz RL, Polkinghorne PC, Fitzke FW, Kemp CM, and Bird AC. Abnormal dark adaptation and rhodopsin kinetics in Sorsby's fundus dystrophy. *Invest Ophthalmol Vis Sci* 1992; 33:1633-1636.

Boeker T, Feng C, and Steinmetz RL. Refractive error and choroidal perfusion characteristics in patients with age-related macular degeneration and subretinal neovascularization. *German J Ophthalmol* 1993; 2:10-13.

Brockmeyer NH, Hengge UR, Mertins L, Malessa R, Steinmetz R, Gooss M. Foscarnet treatment in various cytomegalovirus infections. *Int J Clin Pharmacol Ther Toxicol* 1993;31(4):204-7.

Sheraidah G, Steinmetz RL, Maguire JI, Pauleikhoff D, Marshall J., and Bird AC. Correlation between lipids extracted from Bruch's membrane and age. *Ophthalmol* 1993;100:47-51.

Steinmetz RL, Haimovici R, Jubb C, Fitzke FW, and Bird AC. Symptomatic abnormalities of dark adaptation in patients with age-related Bruch's membrane change. *Brit J Ophthalmol* 1993;77:549-554.

Koch FHJ, Schmidt H, Monks T, Blumenroeder S, Moeller G, Haller A, and Steinmetz RL. Multiport illumination system (MIS) for vitreous surgery: A quantitative analysis of its retinal irradiance and spectral properties. *Am J Ophthalmol* 1993;116:489-496.

Koch FHJ, Schmidt H, Monks T, Blumenroeder S, Moeller G, Haller A, and Steinmetz RL. Multiport illumination system (MIS) for vitreous surgery. (Correspondence) *Am J Ophthalmol* 1994; 117:682-683.

Boeker T and Steinmetz RL. Hyperopia and choroidal neovascularization. (Correspondence) *Ophthalmol* 1994; 101:972.

Steinmetz RL, and Brooks HL Jr. Diode laser photocoagulation to the ridge and avascular retina in threshold retinopathy of prematurity. *Retina* 2002; 22:48-52.

Steinmetz RL, Grizzard WS, and Hammer MH. Vitrectomy for diabetic traction retinal detachment using the multiport illumination system. *Ophthalmol* 2002;109:2303-2307.

Steinmetz RL and Brooks HL Jr. Diode laser photocoagulation to the ridge and avascular retina in threshold retinopathy of prematurity. (Correspondence) *Retina* 2003;23:127.

Steinmetz RL, Brooks HL Jr, and Newell CK. Management of posteriorly dislocated posterior chamber intraocular lenses with vitrectomy and pars plana removal. *Retina* 2004;24:556-559.

HL Brooks Jr MD, CK Newell MD, RL Steinmetz MD, D Watson BS, CRA, CDA, MS Segal MD, JK Harrison PhD, EW Scott PhD and MB Grant MD. Vitreous levels of VEGF and SDF-1 in patients with diabetic retinopathy and cystoid macular edema. *Arch Ophthalmol* 2004; 122:1801-1807.

Steinmetz RL. Management of posteriorly dislocated posterior chamber intraocular lenses with vitrectomy and pars plana removal. (Correspondence) *Retina* 2005;25:385-386

Newell CK, Steinmetz RL, Brooks HL Jr. Chronic postoperative endophthalmitis caused by *Bipolaris Australiensis*. *Retina* 2006;26:109-110.

Charkoudian LD, Kaiser GM, Steinmetz RL, Srivastava SK. Acute Retinal Necrosis After Herpes Zoster Vaccination. *Arch Ophthalmology*. 2011; 129:1495-1497.

#### **Contributions to Textbook:**

Apple D.J., and Rabb M.J. Third Revised Edition: Clinical Applications of Ocular Pathology: A Text and Stereoatlas. C.V. Mosby Co.: St. Louis, MO 1984.

#### **PAPER PRESENTATIONS AND LECTURES**

Acute Retinal Necrosis Syndrome: The UCLA Experience. The Barkan Association Alumni Day. San Francisco, CA 1988.

Pneumatic Retinopexy: An Analysis of a Series. Steinmetz RL, Hanscomb TA, Bundy K, and Diddie KR. The Retina Society. Philadelphia, PA 1988.

Uveodermatologic Syndrome in Dogs: A Model of Vogt-Koyanagi-Harada Syndrome. Boldy KL, Furlong RC, Holland GN, Steinmetz RL, and Foos RY. The Combined Meeting of the American Uveitis and Veterinary Ophthalmologic Societies. Las Vegas, NV 1988.

The Long-Term Effects of Acetazolamide in a Patient with Retinitis Pigmentosa. Steinmetz RL, Chen JC, Fitzke FW, and Bird AC. The Nineteenth Annual Cambridge Ophthalmological Symposium. Cambridge, England 1989.

Prolonged Dark Adaptation in Patients with Age-Related Macular Degeneration. Steinmetz RL, Walker D, Fitzke FW, and Bird AC.

The ARVO Annual Meeting. Sarasota, FL 1991. Invest Ophthalmol Vis Sci (suppl) 32 (1991):711.

The 4th Annual Meeting of the German Retina Society. Tübingen, Germany 1991.

Determinants of Fluorescence of Deposits in Bruch's Membrane in Age-Related Maculopathy. Pauleikhoff D, Steinmetz RL, Marshall J, Sheridah G, Wessing A, and Bird AC. The ARVO Annual Meeting. Sarasota, FL 1991. Invest Ophthalmol Vis Sci (suppl) 32 (1991):711.

Laser Photocoagulation to the Ridge in Threshold Retinopathy of Prematurity. Steinmetz RL and Brooks HL Jr. The American Academy of Ophthalmology Annual Meeting. Atlanta, GA 1995.

Using the Multiport Illumination System (MIS) with Wide-Angle Viewing Systems. The Florida Society of Ophthalmology Annual Meeting. Lake Buena Vista, FL 1998.

Management of Dislocated Posterior Chamber Intraocular Lenses. The Florida Society of Ophthalmology Annual Meeting. Amelia Island, FL 2000.

Case Presentation: Undiagnosed Choroidopathy. The Florida Society of Ophthalmology Annual Meeting. Palm Beach, FL 2001.

Repair of Retinal Detachment and Proliferative Vitreoretinopathy With and Without Internal Limiting Membrane Peeling. Brooks HL, Steinmetz RL, Newell CK. Retina Congress, (the combined meeting of the Vitreous Society and the Retina Society). San Francisco, CA 2002.

Vitreous Levels of VEGF and SDF-1 in Patients with Diabetic Retinopathy. Brooks HL, Newell CK, Steinmetz RL, Fortin J, Caballero S, Grant MB. The ARVO Annual Meeting. Ft. Lauderdale, FL 2003. Invest Ophthalmol Vis Sci (suppl) (2003):178.

A Clear View of Diabetic Retinopathy. Update on Diabetes and Vascular Disease.

Annual Conference for the Capital Medical Society. Tallahassee, FL 2004.

Macular Pucker Diagnosis and Management.

Georgia Optometric Association Annual Meeting. Destin, FL 2005.

Pars Plana Removal of Dislocated Posterior Chamber Intraocular Lenses.

The Florida Society of Ophthalmology Annual Meeting. Boca Raton, FL 2005.

Intravitreal Bevacizumab for Treatment of Neovascular Age-related Macular Degeneration, 2.5 mg vs 1.25 mg. Brooks HL, Ashmore ED, Barker DL, Steinmetz RL, Newell CK. The ARVO Annual Meeting. Ft. Lauderdale, FL May 2006.

## **POSTER PRESENTATIONS**

Uveodermatologic Syndrome in Dogs: A Model of Vogt-Koyanagi-Harada Syndrome. Furlong RC, Boldy KL, Holland GN, Steinmetz RL, and Foos RY. The ARVO Annual Meeting. Sarasota, FL 1989. Invest Ophthalmol Vis Sci (suppl) 30 (1990):86.

Abnormal Dark Adaptation and Rhodopsin Kinetics in Sorsby's Fundus Dystrophy. Steinmetz RL, Polkinghorne PC, Fitzke FW, Kemp CM, and Bird AC. The ARVO Annual Meeting. Sarasota, FL 1990. Invest Ophthalmol Vis Sci (suppl) 31 (1990):413.

Vitrectomy for Diabetic Traction Retinal Detachment Using the Multiport Illumination System. Steinmetz, RL, Grizzard WS, Hammer MH. The American Academy of Ophthalmology Annual Meeting. Dallas, TX 2000.

Assessment of Triamcinolone Treatment for Neovascular Glaucoma. Brooks HL, Caballero S, Newell CK, Steinmetz RL, Watson D, Grant MB. The ARVO Annual Meeting. Ft. Lauderdale, FL 2004. Invest Ophthalmol Vis Sci.

## **SCIENTIFIC EXHIBIT AND VIDEO PRESENTATIONS**

Age-Related Macular Degeneration: Clinical Course, Histopathology, and Treatment. Ai E, Singerman LJ, Green WR, Coonan P, Steinmetz RL. The American Academy of Ophthalmology Annual Meeting. San Francisco, CA 1985.

Advantages of the Multiport Illumination System (MIS) in Vitreous Surgery for Proliferative Diabetic Retinopathy. Koch FHJ, Steinmetz RL, Boeker TH, and Spitznas M. The Annual Meeting of the Bavarian Ophthalmologists. Regensburg, Germany 1992. The Vitreous Society Annual Meeting. Laguna Niguel, California 1992.

The Vitreoretinal Frontier Meeting. Dallas, Texas 1992.

### INSTRUCTIONAL COURSES

The Third Annual Ocular Oncology Course. The Jules Stein Eye Institute. Steinmetz, R.L.  
Choroidal Hemangioma: Diagnosis and Management. Los Angeles, CA 1988.

The 27th Annual Essen Education for Ophthalmologists. Wessing A., Steinmetz RL, and  
Pauleikhoff D. Indications for Fluorescein Angiography. Essen, Germany 1992.

### CLINICAL TRIALS

#### Principal Investigator:

Hoffman-LaRoche. AVENUE, Phase 2. RO6867461 for wet AMD **2016**

#### Sub-Investigator:

Miravant Medical Technologies. TAP, Phase 3. Classic CNV in wet AMD **1998**

Alcon Research. Anecortave Acetate Study, Phase 3. Anecortave in wet AMD. **2003**

Genentech. ANCHOR Study, Phase 3. Lucentis vs PDT for wet AMD. **2003**

Alcon Research. AART, Phase 3 Anecortave Acetate CNV prevention in AMD. **2004**

Genentech. HORIZON Study. Phase 3 extension study of Lucentis in wet AMD. **2006**

Genentech. BRAVO Study. Phase 3, Lucentis for ME in BRVO. **2007**

Genentech. CRUISE Study. Phase 3, Lucentis for ME in CRVO. **2007**

Novartis Pharmaceutical. Fingolimod Study. Phase 2. Macular Edema in MS **2007**

OpkoHealth, Inc. COBALT Study. Phase 3, bevasiranib following Lucentis in wet AMD. **2008**

Ophthotech Corp. Fovista Study. Phase 3, Fovista in wet AMD. **2015**

Allergan. BEACON. Phase 2, Brimonidine geographic atrophy in AMD. **2015**

Novartis Alcon. Phase 2, RTH258 versus Aflibercept in wet AMD. **2015**

Hoffman-LaRoche. CHROMA Phase 3, Lampalizumab for GA in AMD.	<b>2015</b>
Regeneron. ONYX Phase 2, Nesvacmab and aflibercept in wet AMD	<b>2016</b>
Hoffman-LaRoche. BOULEVARD, Phase 3 RO6867461 in DME	<b>2016</b>
DigiSight Technologies, Inc. CLEAR Study, Paxos Check up Mobile App	<b>2016</b>

### **PRESS MENTIONS**

Macular Degeneration Affects Eyes Tallahassee Democrat 1/5/1998

<https://nwspprs.com/3bwt>

Treatment Tested For Macular Degeneration Tallahassee Democrat 1/4/1999

<https://nwspprs.com/3b9wv>

Drug Restores Sight in Some AMD Patients Tallahassee Democrat 7/8/2006

<https://www.newspapers.com/image/249860146>