

Irene A. Barbazetto, MD

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Education

- Medical University**, Lübeck, Germany
- M.D. **Hamburg University**, Hamburg, Germany
- Doctorial Thesis “Visual acuity testing in pre-school children. A comparison H-Test / C-Test” Prof. Dr. med. W. Haase, UKE Hamburg, Germany

Postgraduate Training

- **University Hamburg-Eppendorf**, research with Professor W. Haase 1994 – 1995
Doctorial Thesis
- **Medical University**, Lübeck, Germany 1995 – 1995
Ophthalmology Residency
- **Radiology and Nuclear Medicine Roentgenpraxis Eppendorfer Baum**, Hamburg, Germany 1995 – 1996
Ophthalmology Residency
- **Medical University**, Lübeck, Germany 1996 – 2000
Ophthalmology Residency
- **Columbia University**, New York, USA 2000 – 2003
Ophthalmology/Retina Research Fellow
- **Lenox Hill Hospital**, New York, USA 2003 – 2004
General Surgery Intern
- **Columbia University**, New York, USA 2004 – 2007
Ophthalmology Resident
- **Vitreous Retina Macula Consultants of New York; Manhattan Eye, Ear & Throat Hospital**, New York, USA 2007 – 2008
Retinal Fellowship
- **Columbia University**, New York, YSA 2008 – 2009
Vitreoretinal Fellowship

Current Employment

- **Vitreous Retina Macula Consultants of New York** 2009 – Present
460 Park Avenue, 5th Floor, New York, NY 10022

Academic Appointments

- **New York University School of Medicine, Clinical Assistant Professor of Ophthalmology** 2010 – Present
- **Columbia University, Clinical Instructor** 2010 – 2012
- **New York University School of Medicine, Clinical Instructor** 2007 – 2010

Certifications and Licenses

- Board Certified, USA 2009 – Present
- Board Certified, Germany 2000 – Present
- Licensed Physician, State of New York 2006 – Present
- Licensed Physician, Germany 1996 – Present

Grants

- Retina Research Foundation Lawrence Travel Grant 2001
- Macula Vision Research Foundation 2009

Editorial Board Member

- Graefe's Archive of Clinical and Experimental Ophthalmology
- Case Reports in Ophthalmological Medicine

Journal Reviewer

- *Archives of Ophthalmology*
- *Acta Ophthalmologica*
- *Investigative Ophthalmology & Visual Science*
- *British Journal of Ophthalmology*
- *Ophthalmology*
- *American Journal of Ophthalmology*
- *Indian Journal of Ophthalmology*
- *Retina*
- *Retinal Cases and Brief Reports*
- *Ophthalmologica*

- *Klinische Monatsblaetter Augenheilkunde*
- *European Journal of Ophthalmology*
- *Journal of Ocular Pharmacology and Therapeutics*
- *Survey of Ophthalmology*

Professional Memberships

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| • German Ophthalmologic Society | 1997 – 2004 |
| • Academy for Research in Vision and Ophthalmology | 1997 – Present |
| • American Academy of Ophthalmology | 1997 – Present |
| • American Medical Association | 2003 – 2007 |
| • New York Academy of Sciences | 2003 - Present |
| • New York Ophthalmologic Society | 2005 – Present |
| • Contact Lens Association of Ophthalmologists | 2006 – 2009 |
| • European Vision and Eye Research Organization | 2007 – Present |
| • American Society of Retina Specialists | 2008 – Present |

Courses/Wet Labs

I. Kreissig, I. Barbazetto, M. Ulbig, W. Goebel

Course 193: "Angio Quiz mit Interaktion zwischen Panel und Kursteilnehmern"

AAD (German Academy of Ophthalmology) 2002, Duesseldorf, Germany March 2002

I. Barbazetto "AMD: Angiography and Therapy"

Vijaya Hospital, Chennai, India August 2001

I. Barbazetto "PDT"

All India Institute of Medicine, Dehli, India, August 2001

I.Barbazetto "Photodynamic Therapy - Wet-lab"

Egyptian Ophthalmological Society, Cairo, Egypt March 2001

I.Kreissig, I. Barbazetto, M. Ulbig, W. Goebel

Course 193: "Angio Quiz mit Interaktion zwischen Panel und Kursteilnehmern"

AAD 2001, Duesseldorf, Germany March 2001

U. Schmidt-Erfurth, I. Barbazetto et al.: "Photodynamische Therapy" Society of German Ophthalmological Surgeons, Nuernberg, Germany June, 2000

Book Chapters

Hong, D., Young, J., Barbazetto, I., Slakter, J.: "Fluorescein Angiography" in "Age-related Macular Degeneration" 3rd edition. Editor J. Lim, Informa Healthcare, London, UK. *in print*

Barbazetto, I., Yannuzzi, L. : "Indocyanine Green angiography" in "Age-related Macular Degeneration" 3rd edition. Editor J. Lim, Informa Healthcare, London, UK. *in print*

Barbazetto, I., Klais C., Slakter, J. "Chapter 110: Indocyanine Green Angiography: Principles, Techniques, and Clinical Applications" in "Duane's Ophthalmology. Editor Tasman, W. and Jaeger, E. Lippincott Williams & Wilkins, Philadelphia, USA

Barbazetto, I., Chang, L., Slakter J. "Chapter 4: Imaging modalities" in "AMD: State of the Art". Editor Kaiser, P. Remedica, London, UK, 1st Edition, 2011.

Barbazetto, I., Klais, C. "Anecortave Acetate" in "Anti-Angiogenesis". Editor Michels, S. Uni-Med Verlag, Germany, 1st Edition, 2007

Barbazetto, I. Schmidt-Erfurth, U. "Photodynamic Therapy" in "Age-Related Macular Degeneration". Editors Holz, F., Pauleikoff, D., Spaide, R. Springer Verlag, Berlin, Germany, ISBN: 3540064931, 1st Edition, June 2004

Literature: Paper

Bhavsar KV, Wilson D, Margolis R, Judson P, Barbazetto I, Freund KB, Cunningham ET Jr. Multimodal imaging in handheld laser-induced maculopathy. *Am J Ophthalmol.* 2015 Feb;159(2):227-31.

Schubert C, Pryds A, Zeng S, Xie Y, Freund KB, Spaide RF, Merriam JC, Barbazetto I, et al. Cadherin 5 is Regulated by Corticosteroids and Associated with Central Serous Chorioretinopathy. *Hum Mutat.* 2014 Jul;35(7):859-67.

Yoon D, Rusu I, Barbazetto I. Reduced effect of anti-vascular endothelial growth factor agents on diabetics with vitreomacular interface abnormalities. *Int Ophthalmol.* 2014 Aug;34(4):817-23. doi: 10.1007/s10792-013-9884-6. Epub 2013 Nov 22.

Strauss, DS, Barbazetto, I; Takayasu Retinopathy Presenting As Amaurosis Fugax in A Young Patient. *RETINAL Cases & Brief Reports.* 7(1):1-4, Winter 2013.

Jung JJ, Gallego-Pinazo R, Huz JI, Barbazetto IA. NAVILAS Laser System Focal Laser Treatment for Diabetic Macular Edema - One Year Results of a Case Series. *Open Ophthalmol J.* 2013 Sep 6;7:48-53.

Yzer S, Barbazetto I, Allikmets R, et al. Expanded Clinical Spectrum of Enhanced S-Cone Syndrome. *JAMA Ophthalmol.* 2013 Oct 1;131(10):1324-1330. PubMed PMID: 23989059.

Sarraf D, Rahimy E, Fawzi AA, Sohn E, Barbazetto I, et al. Paracentral Acute Middle Maculopathy: A New Variant of Acute Macular Neuroretinopathy Associated With Retinal Capillary Ischemia. *JAMA Ophthalmol.* 2013 Oct;131(10):1275-87.

Danis RP, Domalpally A, Chew EY, Clemons TE, Armstrong J, SanGiovanni JP, Ferris FL 3rd; AREDS2 Study Group. Methods and reproducibility of grading optimized digital color fundus photographs in the Age-Related Eye Disease Study 2 (AREDS2 Report Number 2). *Invest Ophthalmol Vis Sci.* 2013 Jul 8;54(7):4548-54.

Saito M, Barbazetto IA, Spaide RF. Intravitreal cellular infiltrate imaged as punctate spots by spectral-domain optical coherence tomography in eyes with posterior segment inflammatory disease. *Retina.* 2013 Mar;33(3):559-65

Pryds A, Larsen M, Barbazetto I, Yannuzzi L. Central serous chorioretinopathy in young adults. *Acta Ophthalmol.* 2012 Aug;90(5):e404-5. doi: 10.1111/j.1755-3768.2011.02290.x. Epub 2012 Jan 16.

Yzer S, Fung AT, Barbazetto I, Yannuzzi LA, Freund KB. Central serous chorioretinopathy in myopic patients. *Arch Ophthalmol.* 2012 Oct 1;130(10):1339-40.

Ratra D, Achar MT, Barbazetto IA, Wong RW. Diagnostic & Therapeutic Challenges. *Retina.* 2012 Feb;32(2):403-8.

Bruè, C, Barbazetto, I, Markomichelakis, N et al.: [Atypical Unilateral Maculopathy Associated With Acute Exudative Polymorphous Vitelliform Maculopathy-Like Yellowish Deposits](#). *RETINAL Cases & Brief Reports.* 30 September 2011

Barbazetto IA. Using synergistic effects in targeting angiogenesis: combination therapy for corneal neovascularization. *Expert Rev. Ophthalmol.* 6(2), 155-158 (2011)

Bruè, C; Tseng, J; Barbazetto, I, et al. [Peculiar Manifestation of Macular Telangiectasia Type 2](#). *RETINAL Cases & Brief Reports.* 5(4):309-312, Fall 2011.

Lima LH, Merriam JE, Freund KB, Barbazetto IA, et al. Elastin rs2301995 Polymorphism is not Associated with Polypoidal Choroidal Vasculopathy in Caucasians. *Ophthalmic Genet.* 2011 Jun;32(2):80-2.

Lima LH, Barbazetto IA, Chen R, et al. Macular dystrophy in Heimler syndrome. *Ophthalmic Genet.* 2011 Jun;32(2):97-100.

Barbazetto I, Saroj N, Shapiro H, Wong P, Freund KB. Dosing regimen and the frequency of macular hemorrhages in neovascular age-related macular degeneration treated with ranibizumab. *Retina.* 2010 Oct;30(9):1376-85.

Barbazetto IA, Saroj N, Shapiro H, Wong P, Ho AC, Freund KB. Incidence of new choroidal neovascularization in fellow eyes of patients treated in the MARINA and ANCHOR trials. *Am J Ophthalmol.* 2010 Jun;149(6):939-946.e1.

Cohen SY, Fung AE, Tadayoni R, Massin P, Barbazetto I, Berthout A, Gayet P, Meunier I, Yannuzzi LA. Unilateral retinal pigment epithelium dysgenesis. *Am J Ophthalmol.* 2009 Dec;148(6):914-9.e2.

Cho M, Barbazetto IA, Freund KB. Refractory neovascular age-related macular degeneration secondary to polypoidal choroidal vasculopathy. *Am J Ophthalmol.* 2009 Jul;148(1):70-8.e1.

Barbazetto IA, Lesser RL, Tom D, Freund KB. Diffuse unilateral subacute neuroretinitis masquerading as a white-dot syndrome. *Br J Ophthalmol.* 2009 May;93(5):574-6, 655.

Robison CD, Krebs I, Binder S, Barbazetto IA, Kotsolis AI, Yannuzzi LA, Sadun AA, Sebag J. Vitreomacular adhesion in active and end-stage age-related macular degeneration. *Am J Ophthalmol.* 2009 Jul;148(1):79-82.

Pachydaki, S.; Bhatnagar, P.; Barbazetto, I. et al. [Long-Term Follow-Up in Enhanced S-Cone Syndrome](#) RETINAL Cases & Brief Reports. 3(2):118-120, Spring 2009.

Pachydaki SI, Klaver CC, Barbazetto IA, Roy MS, Gouras P, Allikmets R, Yannuzzi LA. Phenotypic features of patients with NR2E3 mutations. *Arch Ophthalmol.* 2009 Jan;127(1):71-5.

Barbazetto I., M. Room, N. Yannuzzi, G.R. Barile, J.E. Merriam, A. Bardel, L. Yannuzzi, R. Allikmets. *ATM Gene Variants in Patients with Bilateral Idiopathic Perifoveal Telangiectasia.* *Invest Ophthalmol Vis Sci.* 2008 Sep;49(9):3806-11.

Barbazetto, I., Takahasi, B.: Drug profile: Photodynamic therapy / Veretporfin (review). [Expert Review of Ophthalmology](#), Aug 2008, Vol. 3(4):365-383.

Barbazetto IA, Maris PJ Jr, Greenstein VC. Solitary albinotic spot of the retinal pigment epithelium: a functional and imaging study. *Klin Monatsbl Augenheilkd.* 2008 Apr;225(4):295-7. German.

Freund KB, Ho IV, Barbazetto IA, Koizumi H, Laud K, Ferrara D, Matsumoto Y, Sorenson JA, Yannuzzi L. Type 3 neovascularization: the expanded spectrum of retinal angiomatous proliferation. *Retina.* 2008

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Barbazetto IA, Yannuzzi NA, Klais CM, Merriam JE, Zernant J, Peiretti E, Yannuzzi LA, Allikmets R. Pseudo-vitelliform macular detachment and cuticular drusen: exclusion of 6 candidate genes. *Ophthalmic Genet.* 2007 Dec;28(4):192-7.

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Mennel S, Barbazetto I, Meyer CH, Peter S, Stur M. Ocular photodynamic therapy - standard applications and new indications (part 2). Review of the literature and personal experience. *Ophthalmologica.* 2007;221(5):282-91.

Barbazetto IA, Pizzarello LD. Ocular changes during pregnancy. *Compr Ophthalmol Update.* 2007 May-Jun;8(3):155-67.

Mennel S, Barbazetto I, Meyer CH, Peter S, Stur M. Ocular photodynamic therapy--standard applications and new indications (part 1). Review of the literature and personal experience. *Ophthalmologica.* 2007;221(4):216-26.

Mennel, S., Barbazetto, I. et al.: Ocular Photodynamic Therapy. Standard Applications and New Indications (Part1) *Ophthalmologica* 2007;221: (DOI:10.1159/000101922) Vol. 221, No. 4, 2007

Barbazetto, I.; Fine, H.: Quality of life assessment in diabetic patients -Do we make a difference? *Retinal Physician* 2007;

Hageman GS, Anderson DH, Johnson LV, Hancox LS, Taiber AJ, Hardisty LI, Hageman JL, Stockman HA, Borchardt JD, Gehrs KM, Smith RJ, Silvestri G, Russell SR, Klaver CC, Barbazetto I, Chang S, Yannuzzi LA, Barile GR, Merriam JC, Smith RT, Olsh AK, Bergeron J, Zernant J, Merriam JE, Gold B, Dean M, Allikmets R. A common haplotype in the complement regulatory gene factor H (HF1/CFH) predisposes individuals to age-related macular degeneration. *Proc Natl Acad Sci U S A.* 2005 May 17;102(20):7227-32.

Barbazetto IA, Hayashi M, Klais CM, Yannuzzi LA, Allikmets R. A novel TIMP3 mutation associated with Sorsby fundus dystrophy. *Arch Ophthalmol.* 2005 Apr;123(4):542-3.

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Smith RT, Chan JK, Nagasaki T, Sparrow JR, Barbazetto I. A method of drusen measurement based on reconstruction of fundus background reflectance. *Br J Ophthalmol*. 2005 Jan;89(1):87-91.

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Liang J, Zheng L, Yi C, Barbazetto I, Dillon J. [Affection on oxygen tension of the lens after vitrectomy] *Yan Ke Xue Bao*. 2002 Jun;18(2):67-70. Chinese.

Barbazetto IA, Lee TC, Abramson DH. Treatment of conjunctival squamous cell carcinoma with photodynamic therapy. *Am J Ophthalmol*. 2004 Aug;138(2):183-9.

Barbazetto IA, Liang J, Chang S, Zheng L, Spector A, Dillon JP. Oxygen tension in the rabbit lens and vitreous before and after vitrectomy. *Exp Eye Res*. 2004 May;78(5):917-24.

Smith RT, Nagasaki T, Sparrow JR, Barbazetto I, Koniarek JP, Bickmann LJ. Photographic patterns in macular images: representation by a mathematical model. *J Biomed Opt*. 2004 Jan-Feb;9(1):162-72.

Barbazetto I, Burdan A, Bressler NM, Bressler SB, Haynes L, Kapetanios AD, Lukas J, Olsen K, Potter M, Reaves A, Rosenfeld P, Schachat AP, Strong HA, Wenkstern A; Treatment of Age-Related Macular Degeneration with Photodynamic Therapy Study Group; Verteporfin in Photodynamic Therapy Study Group. Photodynamic therapy of subfoveal choroidal neovascularization with verteporfin: fluorescein angiographic guidelines for evaluation and treatment--TAP and VIP report No. 2. *Arch Ophthalmol*. 2003 Sep;121(9):1253-68.

Barbazetto IA, Smith RT. Vasoproliferative tumor of the retina treated with PDT. *Retina*. 2003 Aug;23(4):565-7.

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Schmidt-Erfurth U, Michels S, Barbazetto I, Laqua H. Photodynamic effects on choroidal neovascularization and physiological choroid. *Invest Ophthalmol Vis Sci*. 2002 Mar;43(3):830-41.

Elsner H, Barbazetto I, Schmidt-Erfurth U. [Spontaneous course of classical, subfoveal choroid neovascularization in age-related macular degeneration] *Ophthalmologe*. 2001 Jul;98(7):665-70. German. Erratum in: *Ophthalmologe* 2001 Aug;98(8):714.

Barbazetto, I. Photodynamic therapy: A novel approach in the treatment of age-related macular degeneration. *Journal of the Bombay Ophthalmologists' Association*, 2000 Oct-Dec; 11(4):15-27

Michels S, Barbazetto I, Schmidt-Erfurth U. [Choroidal changes after photodynamic therapy (PDT). A two-year follow-up study of 38 patients] *Klin Monatsbl Augenheilkd*. 2000 Aug;217(2):94-9. German.

Barbazetto IA, Schmidt-Erfurth UM. Evaluation of functional defects in branch retinal vein occlusion before and after laser treatment with scanning laser perimetry. *Ophthalmology*. 2000 Jun;107(6):1089-98.

Barbazetto I, Schmidt-Erfurth U. Photodynamic therapy of choroidal hemangioma: two case reports. *Graefes Arch Clin Exp Ophthalmol*. 2000 Mar;238(3):214-21.

Sickenberg M, Schmidt-Erfurth U, Miller JW, Pournaras CJ, Zografos L, Piguet

B, Donati G, Laqua H, Barbazetto I, Gragoudas ES, Lane AM, Birngruber R, van den Bergh H, Strong HA, Manjuris U, Gray T, Fsadni M, Bressler NM. A preliminary study of photodynamic therapy using verteporfin for choroidal neovascularization in pathologic myopia, ocular histoplasmosis syndrome, angioid streaks, and idiopathic causes. *Arch Ophthalmol*. 2000 Mar;118(3):327-36.

Schmidt-Erfurth U, Miller JW, Sickenberg M, Laqua H, Barbazetto I, Gragoudas ES, Zografos L, Piguet B, Pournaras CJ, Donati G, Lane AM, Birngruber R, van den Berg H, Strong HA, Manjuris U, Gray T, Fsadni M, Bressler NM. Photodynamic therapy with verteporfin for choroidal neovascularization caused by age-related macular degeneration: results of retreatments in a phase 1 and 2 study. *Arch Ophthalmol*. 1999 Sep;117(9):1177-87. Erratum in: *Arch Ophthalmol* 2000 Apr;118(4):488.

Miller JW, Schmidt-Erfurth U, Sickenberg M, Pournaras CJ, Laqua H, Barbazetto I, Zografos L, Piguet B, Donati G, Lane AM, Birngruber R, van den Berg H, Strong A, Manjuris U, Gray T, Fsadni M, Bressler NM, Gragoudas ES. Photodynamic therapy with verteporfin for choroidal neovascularization caused by age-related macular degeneration: results of a single treatment in a phase 1 and 2 study. *Arch Ophthalmol*.

1999 Sep;117(9):1161-73. Erratum in: Arch Ophthalmol 2000 Apr;118(4):488.

Hager A, Schmidt-Erfurth U, Barbazetto I, Michels S, Laqua H. [Photodynamic therapy: ICG angiography findings] Ophthalmologe. 1999 May;96(5):291-9. German.

Barbazetto IA, Schmidt-Erfurth UM. [Quantification of functional retinal damage in branch retinal vein thromboses] Ophthalmologe. 1999 Mar;96(3):159-65. German.

Literature: Paper/Study Group

Hageman GS, Hancox LS, Taiber AJ, Gehrs KM, Anderson DH, Johnson LV, RadekeMJ, Kavanagh D, Richards A, Atkinson J, Meri S, Bergeron J, Zernant J, Merriam J, Gold B, Allikmets R, Dean M; AMD Clinical Study Group. Extended haplotypes in the complement factor H (CFH) and CFH-related (CFHR) family of genes protect against age-related macular degeneration: characterization, ethnic distribution and evolutionary implications. Ann Med. 2006;38(8):592-604.

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Verteporfin in Photodynamic Therapy Study Group. Photodynamic therapy of subfoveal choroidal neovascularization in pathologic myopia with verteporfin. 1-year results of a randomized clinical trial—VIP report no. 1. Ophthalmology. 2001 May;108(5):841-52.

Bressler, NM. Tap-Study Group. Photodynamic therapy of subfoveal choroidal neovascularization in age-related macular degeneration with verteporfin: two-year results of 2 randomized clinical trials—tap report 2. Arch Ophthalmol. 2001 Feb;119(2):198-207

Verteporfin (Visudyne) Therapy of Subfoveal Choroidal Neovascularization in Age-Related Macular Degeneration: One-Year-Results of 2 Randomized Clinical Trials - TAP Report 1. Arch Ophthalmol 1999; 117: 1329-1345