



James D. Brandt, M.D.

Clinical Interests	Dr. Brandt has research interests in both the clinical and basic realms. In clinical research, he is a principal investigator in the landmark Ocular Hypertension Treatment Study and was largely responsible for one of the Study's most important findings to date, that thin corneal thickness is a risk factor for the development of glaucoma. Dr. Brandt is actively involved in large clinical trials investigating new medical and surgical treatments of glaucoma and new technologies for diagnosing the disease. In the basic research arena, Dr. Brandt is currently collaborating with Dr. Tingrui Pan of the Department of Biomedical Engineering to develop new MEMS and Nanotechnology-based devices for the diagnosis of glaucoma.
Title	Director of the Glaucoma Service Professor
Specialty	Ophthalmology
Department	Ophthalmology and Vision Science
Division	Ophthalmology
Center/Program Affiliation	Eye Center
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Education	M.D., Harvard Medical School, Boston, Massachusetts, 1982 B.S., Yale University, New Haven, Connecticut, 1978
Internships	University of Minnesota Hospitals, Minneapolis, Minnesota, 1982-1983
Residency	University of Southern California, Los Angeles, California, 1983-1985
Fellowships	Harvard Medical School - Eye Research Institute, Boston, Massachusetts, 1983-1985 Wills Eye Hospital, Philadelphia, Pennsylvania, 1988-1989
Board Certifications	American Board of Ophthalmology, 1989



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Professional Memberships

American Academy of Ophthalmology
American Glaucoma Society
American Medical Association
Association for Research in Vision and Ophthalmology
California Association of Eye Physicians and Surgeon
California Medical Association
Glaucoma Research Society
Massachusetts Medical Society
World Glaucoma Association

Select Recent Publications

Brandt JD, Beiser JA, Gordon MO, Lin SC, Alexander MY, Kass MA and the OHTS Study Group
Changes in Central Corneal Thickness Over Time: The Ocular Hypertension Treatment Study
Ophthalmology 115(9):[in press]

Brandt JD, Cantor LB, Katz LJ, Batoosingh AL, Chou C & Bossowska I for the Ganfort Investigators
Group II Bimatoprost/Timolol fixed combination: A 3-month double-masked, randomized parallel
comparison to its individual components in patients with glaucoma or ocular hypertension Journal
of Glaucoma 17(3):211-216

Shah S, Al-Rajhi A, Brandt JD, Mannis MJ, Roos B, Sheffield VC, Stone EM & Fingert JH Mutation
in SLC4A11 Gene Associated with Autosomal Recessive Congenital Hereditary Endothelial
Dystrophy in a Large Saudi Family Ophthalmic Genetics 29(1):41-45

Gedde, SJ, Schiffman JC, Feuer WJ, Herndon LW, Brandt JD, Budenz DL and the Tube versus
Trabeculectomy Study Group Treatment Outcomes in the Tube versus Trabeculectomy Study after
One Year of Follow-up American Journal of Ophthalmology 143:9-22

Zangwill LM, Weinreb RN, Beiser J, Berry CC, Cioffi GA, Coleman AL, Trick G, Liebmann JM,
Brandt JD, Piltz-Seymour JR, Dirkes KA, Vega S, Kass MA, Gordon MO and the Ocular
Hypertension Treatment CSLO Ancillary Study Group Baseline topographic optic disc
measurements predict the onset of primary open angle glaucoma: The Confocal Scanning Laser
Ophthalmoscopy Ancillary Study to the Ocular Hypertension Treatment Study Archives of
Ophthalmology 123(9):1188-1197

Brandt, JD, Beiser JA, Gordon MO & Kass MA for the Ocular Hypertension Treatment Study
Group Central Corneal Thickness and IOP Response to Topical Ocular Hypotensive Medication in
the Ocular Hypertension Treatment Study (OHTS)

Budenz, DL, Gedde SJ, Brandt JD, Kira DT, Feuer W & Larson E Baerveldt Glaucoma Implant in
the Management of Refractory Childhood Glaucoma Ophthalmology 111(12):2204-2210



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Gordon MO, Beiser JA, Brandt JD, Heuer DK, Higginbotham EJ, Johnson CA, Keltner JL, Miller JP, Parrish RK, Wilson MR, Kass MA and the Ocular Hypertension Treatment Study Group The Ocular Hypertension Treatment Study: Baseline Factors that Predict the Development of Primary Open Angle Glaucoma Archives of Ophthalmology 120(6):714-720

Cioffi, G. A., J. D. Brandt, and D. Gagliuso, Cases in controversy: Early detection of glaucoma. Journal of Glaucoma 1998;7(3):182-186

Putney, L. K., J. D. Brandt, and M. E. O'Donnell Effects of dexamethasone on Na-K-Cl contransport activity and protein expression in trabecular meshwork cells. Investigative Ophthalmology & Visual Science 1997;38(6):1229-1240

Siegner, S. W., P. A. Netland, R. C. Urban, A. S. Williams, D. W. Richards, M. A. Latina and J. D. Brandt. Clinical Experience with the Baerveldt glaucoma drainage implant. Ophthalmology 1995; 102(9):1298-1307

Johnson, C. A. and J. D. Brandt, A. M. Khong & A. J. Adams. Short wavelength automated perimetry (SWAP) in low, medium and high risk ocular hypertensives. Archives of Ophthalmology 1995;113(1):70-76

O'Donnell, M. E., J. D. Brandt, and F-R E. Curry. Na-K-Cl contransport regulates intracellular volume and monolayer permeability of trabecular meshwork cells. American Journal of Physiology (Cell Physiolo.) 1995;37: C1067-1074

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