

REFERENCES

1. Airaksinen, P. J., Vane, O., Takki, K. K., et al., "Timolol Treatment of Chronic Open-Angle Glaucoma and Ocular Hypertension," Graefes Arch. Clin. Exp. Ophthalmol. 219(2):68-71, August 1982.
2. Allen, R. C., Hertzmark, E., Walker, A. M., et al., "A Double-Masked Comparison of Betaxolol vs. Timolol in the Treatment of Open-Angle Glaucoma," Am. J. Ophthalmology 101(5):535-541, May 1986.
3. American Medical Association, Physicians' Current Procedural Terminology, 4th edition (Chicago, IL: American Medical Association, November 1987).
4. Armaly, M. F., "Ocular Pressure and Visual Fields," Arch. Ophthalmology 81(1):25-40, January 1969.
5. Armaly, M. F., "Lessons To Be Learned From the Collaborative Glaucoma Study," Survey of Ophthalmology 25(3):139-144, November-December 1980.
6. Ashburn, F., Goldberg, I., and Kass, M. A., "Compliance With Ocular Therapy," Survey of Ophthalmology 24(4):237-248, January-February 1980.
7. Asregadoo, E. R., "Blood Levels of Thiamine and Ascorbic Acid in Chronic Open-Angle Glaucoma," Annals of Ophthalmology 11(7):1095-1100, July 1979.
8. Axelsson, U., and Holmberg, A., "The Frequency of Cataract Surgery After Miotic Therapy," Acta Ophthalmologica 44(3):421-429, 1966.
9. Bankes, J. L. K., Perkins, E. S., Tsolakis, S., et al., "Bedford Glaucoma Survey," Brit. Med. J. 1(595):791-796, March 30, 1968.
10. Becker, B., and Morton, W. R., "Topical Epinephrine in Glaucoma Suspects," Am. J. Ophthalmology 62(2):272-277, August 1966.
11. Bengtsson, B., "Comparison of Schiotz and Goldmann Tonometry in a Population," Acta Ophthalmologica 50(4):445-457, August 1972.
12. Bengtsson, B., "The Prevalence of Glaucoma," Brit. J. Ophthalmology 65(1):46-49, January 1981.
13. Bengtsson, B., "Manifest Glaucoma in the Aged I: Occurrence Nine Years After a Population Survey," Acta Ophthalmologica 59(3):321-335, June 1981.
14. Bengtsson, B., and Krakau, C. E. T., "Automatic Perimetry in a Population Survey," Acta Ophthalmologica 57(5):929-937, October 1979.
15. Bensinger, R. E., Keates, U., Gofman, J. D., et al., "Levobunolol: A Three-Month Efficacy Study in the Treatment of Glaucoma and Ocular Hypertension," Arch. Ophthalmology 103(3):375-378, March 1985.
16. Berkow, R., ed., The Merck Manual, 15th edition (Rahway, NJ: Merck & Co., 1987).

17. Berson, F. G., Cohen, H. B., Roerster, R. J., et al., "**Levobunolol** Compared With **Timolol** for the Long-Term Control of Elevated Intraocular Pressure," Arch. Ophthalmology 103(3):379-382, March 1985.
18. Bigger, J. F., "A Comparison of Patient Compliance in Treated vs. Untreated Ocular Hypertension," Trans. Am. Acad.Ophth.& Otol. 81: OP277-OP285, March-April 1976.
19. Boston, L., American Academy of Ophthalmology, San Francisco, CA, personal communication, March 1988.
20. **Campos-Outcalt, D.**, and Carmichael, J. M., "New Perspectives on Glaucoma Screening," J. Family Practice 12(3):451-457, March 1981.
21. Canadian Department of National Health and Welfare, Periodic Health Examination Task Force, The Periodic Health Examination. 1979 (Hull, Quebec, Canada: The Canadian Government Publishing Office, 1979).
22. **Cinotti, A.**, **Cinotti, D.**, **Grant, W.**, et al., "**Levobunolol** vs. **Timolol** for Open-Angle Glaucoma and Ocular Hypertension," Am. J. Ophthalmology 99(1):1 1-17, January 1985.
23. **Cochrane, A. L.**, **Graham, P. A.**, and **Wallace, J.**, "Glaucoma," in **Screening in Medical Care**, C. Birkenhead, E.T. Williams, and G. McLachlan(eds.) (New York, NY: Oxford University Press, 1968).
24. **Cockburn, D. M.**, "The Prevalence of Ocular Hypertension in Patients of an Optometrist and the Incidence of Glaucoma Occurring During Long-Term Follow-Up of Ocular **Hypertensives**," Am. J. Optometry & Physiological Optics 59(4):330-337, April 1982.
25. **Cockburn, D. M.**, "Does Reduction of Intraocular Pressure (**IOP**) Prevent Visual Field Loss in Glaucoma?" Am. J. Optometry & Physiological Optics 60(8):705-710, August 1983.
26. **Cohen, M. F.**, **Feldman, R.**, **Siegelaub, A. B.**, "Dollar Cost per Positive Test for Automated **Multiphasic** Screening," New Eng. J. Med. 283:459-463, Aug. 27, 1970.
27. **David, R.**, **Livingston, D. G.**, and **Luntz, M. H.**, "Ocular Hypertension--A Long-Term Follow-up of Treated and Untreated Patients," Brit.J. Ophthalmology 61(1 1):668-674, November 1977.
28. **David, R.**, **Zangwill, L. M.**, **Tessler, Z.**, et. al., "The Correlation Between Intraocular Pressure and Refractive Status," Arch. Ophthalmology 103(12):1812-1815, December 1985.
29. **Drance, S. M.**, "Correlation Between Optic Disc Changes and Visual Field Defects in Chronic Open-Angle Glaucoma," Trans. Am. Acad.Ophth.& Otol. 81: OP224-OP225, March-April 1976.
30. **Drance, S. M.**, "Low-Tension Glaucoma: Enigma and Opportunity," Arch. Ophthalmology 103(8):1 131-1133, August 1985.
31. **Eddy, D. M.**, **Sanders, L. E.**, and **Eddy, J. F.**, "The Value of Screening for Glaucoma With Tonometry," Survey of Ophthalmology 28(3):194-205, November-December 1983.
32. **Eddy, D. M.**, and **Billings, J.**, "The Quality of Medical Evidence and Medical Practice," paper prepared for the National Leadership Commission on Health Care, 1987.

33. Eifrig, D. E., and Simons, K.B. "An Overview of Common Geriatric Ophthalmologic Disorders," Geriatrics 38(4):55-77, April 1983.
34. Epstein, D.L. (cd.), Chandler & Grant's Glaucoma, 3rd edition (Philadelphia, PA: Lea & Febiger, 1986).
35. Ford, V. J., Zimmerman, T. J., and Kooner, K., "A Comparison of Screening Methods for the Detection of Glaucoma," (abstract) Invest. Ophthalmol. & Visual Science 22(suppl):257, 1982.
36. Gaasterland, D. E., "A Review of Surgical Alternatives to Medical Therapy for Glaucoma," J. National Med. Assn. 80(7):721-723, July 1988.
37. Gaasterland, D. E., Georgetown University Center for Sight, Washington, DC, personal communication, March 1988.
38. Gaasterland, D., and Kupfer, C., "Experimental Glaucoma in the Rhesus Monkey," Invest. Ophthalmology 13(6):455-457, June 1974.
39. Goldbloom, R., and Battista, R. N., "The Periodic Health Examination: 2. 1985 Update," Can. Med. Assoc. J. 134:724-727, April 1, 1986.
40. Goldberg, I., Hollows, F. C., Kass, M. A., et al., "Systemic Factors in Patients With Low-Tension Glaucoma," Brit. J. Ophthalmology 65(1):56-62, January 1981.
41. Gottlieb, L. K., Schwartz, B., and Pauker, S. G., "Glaucoma Screening: A Cost-Effectiveness Analysis," Survey of Ophthalmology 28(3):206-226, November-December 1983.
42. Graham, P. A., "The Definition of Pre-Glaucoma a Prospective Study," Trans. Ophthalm. Soc. U.K. 88(1968):153-165, 1969.
43. Grant, W. M., and Burke, J. F., "Why Do Some People Go Blind From Glaucoma?" Ophthalmology 89(9):991-998, September 1982.
44. Greenridge, K. C., and Spaeth, G. L., "Change in Appearance of the Optic Disc Associated With Lowering of Intraocular Pressure," Ophthalmology 92(7):897-903, July 1985.
45. Harbin, T. S., Podos, S. M., Kolker, A. E., et al., "Visual Field Progression in Open-Angle Glaucoma Patients Presenting With Monocular Field Loss," Trans. Am. Acad. Ophthalmol. & Otol. 81(2):253-256, 1976.
46. Hart, W. M., and Becker, B., "The Onset and Evolution of Glaucomatous Visual Field Defects," Ophthalmology 89(3):268-279, March 1982.
47. Hildreth, H. R., and Becker, B., "Routine Tonometry," Trans. Am. Ophthalmol. Soc. 54:55-61, 1956.
48. Hiller, R., and Kahn, H. A., "Blindness From Glaucoma," Am. J. Ophthalmology 80(1):62-69, July 1975.
49. Hiller, R., Sperduto, R. D., and Krueger, D. E., "Race, Iris Pigmentation, and Intraocular Pressure," Am. J. Epidemiology 115(5):674-683, May 1982.

50. Hitchings, R. A., and Spaeth, G. L., "The Optic Disc in Glaucoma, II: Correlation of the Appearance of the Optic Disc With the Visual Field," *Brit. J. Ophthalmology* 61(1):107-113, January 1977.
51. Hoff, M., Parkinson, J. M., Kass, M. A., et al., "Long-Term Trial of Unilateral Timolol Treatment in Ocular Hypertensive Subjects," (abstract) *Invest. Ophthalmol. & Visual Science* 29(suppl):16, 1988.
52. Hollows, F. C., and Graham, P. A., "The Ferndale Glaucoma Survey," in *Glaucoma*, L.B. Hunt (cd.) (London: E. & S. Livingstone Ltd., 1966).
53. Holmin, C., "Optic Disc Evaluation Versus the Visual Field in Chronic Glaucoma," *Acta Ophthalmologica* 60(2):275-283, April 1982.
54. Hoskins, H. D., and Gelber, E. C., "Optic Disk Topography and Visual Field Defects in Patients With Increased Intraocular Pressure," *Am. J. Ophthalmology* 80(2):284-290, August 1975.
55. Hovding, G., and Aasved, H., "Prognostic Factors in the Development of Manifest Open-Angle Glaucoma," *Acta Ophthalmologica* 64(16):601-608, Dec. 1986.
56. Jamgochian, P., "Northern California Society to Prevent Blindness, 1984 Glaucoma Program, Cost Benefit Analysis," unpublished paper, May 1986.
57. Johnson, D. H., and Brubaker, R. F., "Glaucoma: An Overview," *Mayo Clinic Proceedings* 61:59-67, January 1986.
58. Kahn, H. A., Leibowitz, H. M., Ganley, J. P., et al., "The Framingham Eye Study 1. Outline and Major Prevalence Findings," *Am. J. Epidemiology* 106(1):17-32, July 1977.
59. Kahn, H. A., and Milton, R. C., "Alternative Definitions of Open-Angle Glaucoma," *Arch. Ophthalmology* 98(12):2172-2177, December 1980.
60. Kahn, H. A., and Milton, R. C., "Revised Framingham Eye Study Prevalence of Glaucoma and Diabetic Retinopathy," *Am. J. Epidemiology* 111(6):769-776, June 1980.
61. Kass, M. A., Gordon, M., Morley, R. E., et al., "Compliance With Topical Timolol Treatment," *Am. J. Ophthalmology* 103(2):188-193, February 1987.
62. Katz, L. J., Cantor, L. B., Spaeth, G. L., et al., "Perimetry in Glaucoma Patients With Reversible Disc Cupping," *Invest. Ophthalmol. & Visual Science* 27(3, suppl):41, March 1986.
63. Keltner, J. L., and Johnson, C. A., "Screening for Visual Field Abnormalities With Automated Perimetry," *Survey of Ophthalmology* 28(3):175-183, November-December, 1983.
64. Kitazawa, Y., "Prophylactic Therapy of Ocular Hypertension: A Prospective Study," *Trans. Ophthalmol. Soc. New Zealand* 33:30-32, 1981.
65. Kitazawa, Y., Horie, T., Aoki, S., et al., "Untreated Ocular Hypertension," *Arch. Ophthalmology* 95(7):1180-1184, July 1977.
66. Kolker, A. E., "Visual Prognosis in Advanced Glaucoma: A Comparison of Medical and Surgical Therapy for Retention of Vision in 101 Eyes With Advanced Glaucoma," *Trans. Am. Ophthalmol. Soc.* 75:539-555, 1977.

67. Kolker, A. E., and Hetherington Jr., J. (eds.), Becker-Shaffer's Diagnosis and Therapy of the Glaucomas, 5th edition (St. Louis, MO: C.V. Mosby Co., 1983).
68. Kolker, A. E., Washington University Medical School, St Louis, MO, personal communication, June 1988.
69. Kronfeld, P. C., and McGarry, H. I., "Five Year Follow-up of Glaucomas," J. A.M.A. 136(15):957-964, April 10, 1948.
70. Krug, J. H., Hertzmark, E., Remis, L. L., et al., "Long Term Study of Timolol vs. No Treatment in the Management of Glaucoma Suspects," (abstract) Invest. Ophthalmol. & Visual Science 28(3, suppl):148, March 1987.
71. Krug, J. H., Massachusetts Eye & Ear Infirmary, Boston, MA, personal communication, June 1988.
72. Leske, M. C., "The Epidemiology of Open-Angle Glaucoma: A Review," Am. J. Epidemiol. ~ 118(2):166-191, August 1983.
73. Leske, M. C., and Hawkins, B. S., "Screening: Relationship to Diagnosis and Therapy," in Clinical Ophthalmology, T.D. Duane (cd.) (Philadelphia, PA: Harper & Row, 1984).
74. Leske, M. C., and Podgor, M., "Intraocular Pressure, Cardiovascular Risk Variables, and Visual Field Defects," Am. J. Epidemiology 118(2):280-287, August 1983.
75. Leske, M. C., Podgor, M., and Ederer, F., "An Evaluation of Glaucoma Screening Methods," (abstract) Invest. Ophthalmol. & Visual Science 22(3, suppl):128, March 1982.
76. Leske, M. C., and Rosenthal, J., "Epidemiological Aspects of Open-Angle Glaucoma," Am. J. Epidemiology 109(3):250-272, March 1979.
77. Levene, R. Z., "Unilateral Miotic Therapy," Trans. Am. Acad. Ophthalmol. & Otol. 79(2):376-380, 1975.
78. Levi, L., and Schwartz, B., "Glaucoma Screening in the Health Care Setting," Survey of Ophthalmology 28(3):164-174, November-December 1983.
79. Linner, E., "Diagnostic and Therapeutic Aspects of Early Chronic Simple Glaucoma," Israel J. Med. Sci. 8(8-9):1394-1396, August-September 1972.
80. Linner, E., and Stromberg, U., "Ocular Hypertension: A Five-Year Study of the Total Population in a Swedish Town, Skovde," in Glaucoma Tutzingsymposium (Karger, Basel: New York, NY, 1967), 187-214.
81. Lundberg, L., Wettrell, K., and Linner, E., "Ocular Hypertension," Acta Ophthalmologica 65(6):705-708, December 1987.
82. Markowitz, S., and Morin, J. D., "Timolol: A 4-Year Follow-up Study," Can. J. Ophthalmol. ~ 18(6):278-280, 1983.
83. Mikelberg, F. S., Schulzer, M., Drance, S. M., et al., "The Rate of Progression of Scotomas in Glaucoma," Am. J. Ophthalmology 101(1):1-6, January 1986.

-
84. National Society to Prevent Blindness, Vision Problems in the U.S. (New York, NY: NSPB, 1980).
 85. National Society to Prevent Blindness, "Highlights of the 1985 NSPB Sponsored Glaucoma Screening Program," unpublished paper, 1986.
 86. Nelson, W. L., **Fraunfelder**, F. T., Sills, J. M., et al., "Adverse Respiratory and Cardiovascular Events Attributed to Timolol Ophthalmic Solution, 1978- 1985," Am. J. Ophthalmology 102(5):606-611, November 1986.
 87. Nielsen, J. V., "The Ocular Hypotensive Effect of Timolol in Long-Term Treatment of Glaucoma: A 4-Year Study," Acta Ophthalmologica 60(6):961-966, December 1982.
 88. Norkov, K., "Routine Tonometry in Ophthalmic Practice: II. Five-Year Followup," Acta Ophthalmologica 48(5):873-895, October 1970.
 89. Packer, H., **Deutsch**, A. R., **Deweese**, M. W., et al., "Frequency of Glaucoma in Three Population Groups," J. A.M.A. 188(2):115-119, Apr. 13, 1964.
 90. Packer, H., **Deutsch**, A. R., and **Deweese**, M. W., "Efficiency of Screening Tests for Glaucoma," J. A.M.A. 192(8):693-696, May 1965.
 91. Pederson, J. E., and **Herschler**, J., "Reversal of Glaucomatous Cupping in Adults," Arch. Ophthalmology 100(3):426-431, March 1982.
 92. Perkins, E. S., "The Bedford Glaucoma Survey: I. Long-Term Follow-Up of Borderline Cases," Brit. J. Ophthalmology 57(3):179-185, March 1973.
 93. Peters, P., Associate Director, National Society to Prevent Blindness, Schaumburg, IL, personal communication, March 1988.
 94. Podgor, M. J., Leske, M. C., and Ederer, F., "Incidence Estimates for Lens Changes, Macular Changes, Open-Angle Glaucoma, and Diabetic Retinopathy," Am. J. Epidemiology 118(2):206-212, August 1983.
 95. **Pohjanpelto**, P. E. J., and **Palva**, J., "Ocular Hypertension and Glaucomatous Optic Nerve Damage," Acta Ophthalmologica 52:194-200, 1974.
 96. **Pollack**, I. P., "The Challenge of Glaucoma Screening," Survey of Ophthalmology 13:4-22, 1968-1969
 97. **Quigley**, H. A., and Maumenee, A. E., "Long-Term Follow-Up of Treated Open-Angle Glaucoma," Am. J. Ophthalmology 87(4):519-525, April 1979.
 98. **Quigley**, H. A., Addicks, E. M., and Green, R., "Optic Nerve Damage in Human Glaucoma III. Quantitative Correlation of Nerve Fiber Loss and Visual Field Defect in Glaucoma, Ischemic Neuropathy, Papilledema, and Toxic Neuropathy," Arch. Ophthalmology 100(1):135-146, January 1982.
 99. Rock, W. J., Drance, S. M., and Morgan, R. W., "Visual Field Screening in Glaucoma," Arch. Ophthalmology 89(4):287-290, April 1983.

100. Schappert-Kimmijser, J., "A Five-Year Follow-Up of Subjects With Intra-Ocular Pressure of 22-30 mm Hg Without Anomalies of Optic Nerve and Visual Field Typical for Glaucoma at First Investigation," Acta Ophthalmologica 162(1):289-295, February 1971.
101. Shaffer, R. N., and Hetherington, J., "Anticholinesterase Drugs and Cataracts," Am. J. Ophthalmology 62(4):613-618, October 1966.
102. Shin, D. H., Kolker, A. E., Kass, M. A., et al., "Long-Term Epinephrine Therapy of Ocular Hypertension," Arch. Ophthalmology 94(12):2059-2060, December 1976.
103. Sommer, A., Enger, C., and Witt, K., "Screening for Glaucomatous Visual Field Loss With Automated Threshold Perimetry," Am. J. Ophthalmology 103(5):681-684, May 1987.
104. Sorensen, P. N., Nielsen, N. V., and Norskov, K., "Ocular Hypertension. A 15-Year Followup," Acta Ophthalmologica 56(3):363-372, June 1978.
105. Spaeth, G. L., Wills Eye Hospital, Philadelphia, PA, personal communication, July 1988.
106. Spaeth, G. L., "Treatment for Glaucoma is Beneficial," unpublished paper, 1988.
107. Spaeth, G. L., "Visual Loss in a Glaucoma Clinic, I. Sociological Considerations," Invest. Ophthalmol. 9(1):73-82, January 1970.
108. Spector, R., Lightfoote, J. B., Cohen, P., et al., "Should Tonometry Screening Be Done by Technicians Instead of Physicians?" Arch. Intern. Med. 135(9):1260-1263, September 1975.
109. Sponsel, W. E., Dallas, N. L., and Burbridge, L., "Visual Field Survival: The Response to Timolol Therapy in Open-Angle Glaucoma," Brit. J. Ophthalmology 67(4):220-227, April 1983.
110. Sugar, H. S., "Postoperative Cataract in Successfully Filtering Glaucomatous Eyes," Am. J. Ophthalmology 69(5):740-746, May 1970.
111. Thorburn, W., "The Accuracy of Clinical Applanation Tonometry," Acta Ophthalmologica 56(1):1-5, February 1978.
112. Tielsch, J. M., Royall, R. M., Quigley, H. A., et al., "Baltimore Eye Survey: Design and Preliminary Results," Invest. Ophthalm. & Visual Science 27(3, suppl):44, March 1986.
113. Tucker, J. B., "Glaucoma Detection in Family Practice Residencies," J. Family Practice 12(3):656-666, March 1981.
114. Tuulonen, A., Niva, A., and Alanko, H. I., "A Controlled Five-Year Follow-up Study of Laser Trabeculoplasty as Primary Therapy for Open-Angle Glaucoma," Am. J. Ophthalmology 104(11):334-338, October 1987.
115. U.S. Department of Commerce, Bureau of the Census, Current Population Reports, Series P-25, No. 952, Projections of the Population of the United States, by Age, Sex, and Race: 1983 to 2080 (Washington, DC: U.S. Government Printing Office, 1984).
116. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstrations, Findings From the National Kidney Dialysis and Kidney Transplantation Study (Baltimore, MD: U.S. DHHS, HCFA, October 1987).

-
117. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Services Research, Laser Trabeculoplasty for Open-Angle Glaucoma, Health Technology Assessment Report No. 23 (Rockville, MD: U.S. DHHS, PHS, 1984).
 118. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, Vital & Health Statistics, Series 10, No. 150, "Current Estimates from the National Health Interview Survey: United States, 1982," DHHS Pub. No. (PHS)85-1578 (Hyattsville, MD: U.S. DHHS, PHS, NCHS, September 1985).
 119. U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, Vision Research--A National Plan: 1983-1987 (vol. 2 part 4: Report of the Glaucoma Panel), NIH Pub. No. 84-2474 (Bethesda, MD: U.S. DHHS, PHS, NIH, 1984).
 120. U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, Clinical Trials Supported by the National Eye Institute, NIH Pub. No. 87-2910 (Bethesda, MD: U.S. DHHS, PHS, NIH, November 1987).
 121. Van Buskirk, E. M., Weinreb, R. N., Berry, D. P., et al., "Betaxolol in Patients With Glaucoma and Asthma," Am. J. Ophthalmology 101(5):531-534, May 1986.
 122. Whitener, J., American Optometric Association, Alexandria, VA, personal communication, August 1988.
 123. Wilensky, J. T., Podos, S. M., and Becker, B., "Prognostic Indicators in Ocular Hypertension," Arch. Ophthalmology 91(3):200-202, March 1974.
 124. Wilson, M. R., Hertzmark, E., Walker, A. M., et al., "A Case-Control Study of Risk Factors in Open-Angle Glaucoma," Arch. Ophthalmology 105(8):1066-1071, August 1987.
 125. Wilson, J. M. G., and Junger, G., Principles and Practice of Screening for Disease (Geneva, Switzerland: World Health Organization, 1968).
 126. Wood, C. M., and Bosanquet, R. C., "Limitations of Direct Ophthalmoscopy in Screening for Glaucoma," Br. Med. J. 294(6587):1587-1588, June 20, 1987.
 127. Worthen, D., "Economic Aspects of the Management of Ocular Hypertension," Survey of Ophthalmology 25(3):206-214, November-December 1980.
 128. Worthen, D. M., "Significance of Intraocular Pressure in the Therapy of Glaucoma," in Symposium on Glaucoma (St. Louis, MO: The C.V. Mosby Company, 1981).
 129. Zammataro, A., American Academy of Ophthalmology, San Francisco, CA, personal communication, March 1988.
 130. Zimmerman, T. J., University of Louisville, Louisville, KY, personal communication, March 1988.