

CURRICULUM VITAE

David Lee Guyton, M.D.

Zanvyl Krieger Professor of Pediatric Ophthalmology
The Wilmer Ophthalmological Institute
The Johns Hopkins University School of Medicine
The Johns Hopkins Hospital
Baltimore, Maryland 21287-9028

Born: April 16, 1944
New Haven, Connecticut

Married: Janet Allen Singletary
August 26, 1967

Children: Nathaniel Wilson June 17, 1972
William Smallwood June 17, 1972
James Clifton July 3, 1974

Education: 1965 - B.S. (summa cum laude) - University of Mississippi

1969 - M.D. (magna cum laude) - Harvard Medical School

1969 - Postgraduate course - Basic Sciences in Ophthalmology –
Harvard Medical School

Professional History:

- 1970 – 1971 Intern in Medicine, Shands Teaching Hospital and Clinics,
University of Florida, Gainesville, Florida.
- 1971-1973 Research Associate, Laboratory of Neural Control, NINDS,
National Institutes of Health, Bethesda, Maryland.
- 1973 – 1976 Resident in Ophthalmology, The Wilmer Ophthalmological
Institute, Johns Hopkins Hospital, Baltimore, Maryland.
- 1976 - 1977 Postdoctoral fellow in Strabismus and Pediatric Ophthalmology,
Baylor College of Medicine, Houston, Texas.
- 1977 Assistant Chief of Service (Chief Resident) in Ophthalmology,
The Wilmer Ophthalmological Institute, Johns Hopkins Hospital.

- 1977 Instructor in Ophthalmology, The Johns Hopkins University School of Medicine.
- 1978 – 1982 Assistant Professor of Ophthalmology, The Johns Hopkins University School of Medicine.
- 1978-2011 Director, Strabismus Service, The Wilmer Ophthalmological Institute.
- 1982-1989 Associate Professor of Ophthalmology, The Johns Hopkins University School of Medicine.
- 1989-present Professor of Ophthalmology, The Johns Hopkins University School of Medicine.
- 1991-present The Zanvyl Krieger Professor of Pediatric Ophthalmology
- 1991-2011 Director of the Zanvyl Krieger Children's Eye Center at the Wilmer Institute

Subspecialty Board Certification

American Board of Ophthalmology - 1977

Societies

Sigma Chi Fraternity
Phi Kappa Phi
Omicron Delta Kappa
Alpha Omega Alpha
Optical Society of America - Fellow
Wilmer Residents Association
International Strabismological Association
The Society of Heed Fellows
American Academy of Ophthalmology
American Association for Pediatric Ophthalmology and Strabismus
Association for Research in Vision and Ophthalmology (ARVO)
Association for Research in Strabismus (Squint Club)
American Ophthalmological Society
SPIE - The International Society for Optical Engineering

Honors and Other Special Scientific Recognition

Taylor Medal in Physics 1964 - University of Mississippi
Student Hall of Fame – University of Mississippi – 1965

Maimonides Award for outstanding achievement, 1969 - Harvard Medical School
Honor Award - American Academy of Ophthalmology - 1981
Heed Ophthalmic Foundation Award - 1983
First Place Gold Award for Medical Imaging at the John Muir Medical Film Festival -
1988, for the videotape "Retinoscopy: Plus Cylinder Technique."
Senior Honor Award - American Academy of Ophthalmology, 1991
Alcon Research Institute Award - 1991
Senior Scientific Investigator Award – Research to Prevent Blindness – 1995
Senior Honor Award – American Association for Pediatric Ophthalmology and
Strabismus – 2001
Alumni Hall of Fame – University of Mississippi – 2002
Walt and Lilly Disney Award for Amblyopia Research – Research to Prevent
Blindness – 2005 and 2006
Mildred Weisenfeld Award – Association for Research in Vision and Ophthalmology
(ARVO) – 2007
Gold Fellow – Association for Research in Vision and Ophthalmology – 2009
Lifetime Achievement Award – American Association for Pediatric Ophthalmology and
Strabismus – 2010
The Marshall M. Parks 2014 Silver Medal - The Children's Eye Foundation

Industry Research and Development Awards

IR-100 Award for SR III Subjective Refraction System - 1979
IR-100 Award for Guyton/Minkowski Potential Acuity Meter – 1983

Editorial Boards

Ophthalmology (1979-92)
Contemporary Ophthalmology (1980)
Binocular Vision: Eye Movements, Strabismus and Amblyopia (1984 - 2014)
Ophthalmic Surgery (1989-95)

Research Grants (as Principal Investigator)

NIH Grant R03-EY05013. Experimentally-Induced Hyperopia in the Rhesus Monkey.
1983-84.

NIH Grant U01-EY05334. The Efficacy of Prism Adaptation in Acquired Esotropia.
1985-89.

NIH Grant R03-RR08058. Remote Sensing of Eye Fixation. 1993-95.

Other Professional and Administrative Activities

American Academy of Ophthalmology

Editorial Board: Ophthalmology (1979-92)
Program Advisory Committee (1978-85)
Ophthalmic Instruments and Devices Committee (1979-84)
Chairman, Subcommittee on Ophthalmic Equipment and Devices (1980-82)
Representative to American Committee on Optics and Visual Physiology (1980-82)
Faculty, Ophthalmology Basic and Clinical Science Course, Section on Optics,
Refraction and Contact Lenses (1978-85)
Chairman, Ophthalmology Basic and Clinical Science Course, Section on Optics,
Refraction and Contact Lenses (1981-83)
Continuing Education TV Ophthalmology Program Committee (1978-81)
Chairman, Section on Refraction and Contact Lenses, Academy Regional Course
(1982-83)
Chairman, Committee on Ophthalmic Procedures Assessment (1982-90)
Representative to the Institute of Medicine, Council on Health Care Technology
(1987-90)
Associate Secretary for Technology and Terminology (1989-90)

National Institutes of Health

Program Planning Panel: Strabismus, Amblyopia, and Visual Processing (1980-81)
Visual Sciences B Study Section (1981-85)
National Advisory Eye Council (1992-95)

National Academy of Sciences

Committee on Vision of the National Research Council (1989-93)

Association for Research in Vision and Ophthalmology

Program Committee - Eye Movements, Strabismus, and Amblyopia Section
(1984)
Program Chairman - Eye Movements, Strabismus, and Amblyopia Section
(1985)
Board of Trustees (1991-97)
President-Elect (1994-95)
President (1995-96)

American Association for Pediatric Ophthalmology & Strabismus

Board of Directors (1989-94)
President-Elect (1992-93)
President (1993-94)

International Strabismological Association

Council Member (2002- 2018)

Consulting Activities

American Optical Corporation/Reichert Scientific Instruments
Consultant on Ophthalmic Instrumentation (1973-89)

Mentor O & O, Inc.

Consultant on Ophthalmic Instrumentation (1981-95)

Milner-Fenwick, Inc.

Consultant on Patient Education Films in Ophthalmology (1982-83)

Metaphase

Consultant on Ophthalmic Instrumentation (1992-93)

Department of Ophthalmology, the Johns Hopkins University School of Medicine

Representative to the Medical School Council (1978-80)

Chairman, Utilization Review Committee, The Wilmer Institute (1978-82)

Co-Chairman, The Wilmer Information System (1978-88)

Chairman, Operating Room Committee, The Wilmer Institute (1980-83)

Member, Executive Committee, The Wilmer Institute (1981-86, 88-92)

Chairman, Residency Education Committee, The Wilmer Institute (1986-89)

Chairman, Committee on Education (1989-92)

Chairman, Committee on Fiscal Responsibility and Financial Plan (1989-92)

Professor Promotion Committee (1989- 2019)

Chairman, Professor Promotion Committee (1990- 2009)

Member, Long Range Planning Committee (1992- 2011)

Chairman, Communication and Information Systems Committee (1998-2003)

Chairman, Mitchell Prize Committee (2012-present)

Education Champion, Optics and Clinical Refraction (2012-2020)

Education Co-Champion, Optics and Clinical Refraction (2020-present)

The Johns Hopkins University School of Medicine

Vice-Chairman, Medical School Council (1979-80)

Chairman, Subcommittee on Evaluation of Teaching (1979-80)

Member, Advisory Board, School of Medicine (1979-80)

Board of Student Advisors (1980-83)

Associate Professor Promotion Committee (1987-92)

Chairman, Associate Professor Promotion Committee (1991-92)

Member, Computer Systems Advisory Committee (1998-05)

Part-time Hospital Staff Appointments

1978-80 Veterans Administration Hospital System

1988-90 Sinai Hospital of Baltimore

Smith-Kettlewell Eye Research Institute – San Francisco, California

Board of Directors (2012-present)

Vice President, Board of Directors (2017- 2020)

Annual National and International Teaching Activities in Ophthalmic Optics

Basic Science Courses

- 1979-92, 2003-present (1-2 days)
Columbia University, Basic Sciences Course in Ophthalmology
- 1980-2007 Lancaster Course in Ophthalmology (4-5 days)
- 1984-present Stanford Basic Science Course in Ophthalmology (3-5 days)
- 1986-91 University of Puerto Rico and Pan American Association
of Ophthalmology, Basic Course in Ophthalmology (4 days)
- 1987-89 King Saud University, Riyadh, Saudi Arabia, Basic Science
Course in Ophthalmology (4 days)
- 2003- 2019 Houston Basic Science Course, University of Texas (2 days)

Review Courses (8 hours each)

- 1981-88 Scheie Eye Institute, University of Pennsylvania
- 1983-89 Kresge Eye Institute, Wayne State University
- 1984-present Wills Eye Hospital
- 1986-89 New York Eye and Ear Infirmary
- 1989-91 Osler Institute
- 2008-present Illinois Eye Review

Named Lectures and Keynote Addresses

- 1991 – Pierre Jenkins Memorial Lecture, Medical University of South Carolina
- 1991 – Louis J. Girard Distinguished Alumnus Lecture, Baylor College of Medicine
- 1991 – Glover-Lisman Lecture, Manhattan Eye, Ear, and Throat Hospital
- 1991 – Richard E. Hoover Lecture, Greater Baltimore Medical Center
- 1991 – Keynote Address, Association of Technical Personnel in Ophthalmology
- 1995 – Angeline M. Parks Memorial Lecture, The Costenbader Society
- 1997 – Bryan Research Lecture, Duke University
- 1997 – Paul A. Chandler Lecture, Massachusetts Eye and Ear Infirmary
- 1998 – Frank D. Costenbader Lecture, American Association for Pediatric Ophthalmology and Strabismus - *“Dissociated Vertical Deviation: Etiology, Mechanism, and Associated Phenomena”*
- 1998 – John Milton McLean Lecture and Medal, Cornell University
- 1999 – N. Edgar Miles Lecture, Medical University of South Carolina
- 1999 – Goodwin M. Breinin Lecture, New York University School of Medicine
- 1999 – Alice R. McPherson Lecture, University of Wisconsin
- 2000 – Arthur W. Stickle Lecture, Washington University in Saint Louis
- 2000 – Gunter K. von Noorden Lecture, Baylor College of Medicine
- 2001 – Samuel B. Johnson Memorial Lecture, University of Mississippi
- 2002 – Gifford Lecture, University of Nebraska
- 2002 – George E. de Schweinitz Memorial Lecture, College of Physicians of Philadelphia– *“Strabismus in the Third Dimension”*
- 2003 – Richard G. Scobee Memorial Lecture, American Association of Certified Orthoptists – *“Dissociated Vertical Deviation: An Acquired Nystagmus-Blockage Phenomenon”*
- 2004 – Coleman Lecture, Cornell University
- 2004 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2004 – Commencement Address, University of Mississippi Medical Center – *“Medicine in Mississippi - A Special Heritage”*
- 2004 – Keynote Address, Combined Meeting of the Japan Society of Ophthalmological Optics and the Japan Association of Ophthalmic Medical Engineering – *“Adventures in Ophthalmic Optics”*
- 2005 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2005 – Dr. Guillermo Picó Santiago Lecture, Puerto Rico Ophthalmology Society – *“Optical Tricks and Traps in Ophthalmology”*
- 2006 – The 10th Bielschowsky Lecture, The International Strabismological Association, São Paulo, Brazil – *“Changes in Strabismus over Time ...”*
- 2006 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital

- 2006 – The 18th Wilmer Memorial Lecture, The 65th Annual Wilmer Residents Meeting – “*Strabismus and Pediatric Ophthalmology at The Wilmer Institute*”
- 2006 – The 2006 Jack S. Guyton Memorial Lecture, Henry Ford Eye Care Services, Detroit, MI – “*Changes in Strabismus over Time ...*”
- 2006 – The 2006 Robb-Peterson Lecture, Children’s Hospital Boston Pediatric Ophthalmology Fellowship Alumni Meeting, Migis Lodge, Sebago Lake, Maine - “*Changes in Strabismus over Time ...*”
- 2007 – The John E. Brown Memorial Lecture, Ohio State University - “*Strabismus Complications from Local Anesthetics*”
- 2007 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2007 - The Mildred Weisenfeld Award Lecture - Association for Research in Vision and Ophthalmology (ARVO) - “*A New Twist on Screwed-Up Eyeballs: Ocular Torsion reveals the Mechanisms of Cyclovertical Strabismus*”
- 2007 – The Jules Stein Lecture, Jules Stein Eye Institute, UCLA – “*Changes in Strabismus over Time ...*”
- 2008 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2008 - The 3rd Eugene R. Folk, MD Memorial Lecture – Illinois Eye and Ear Infirmary – “*Ocular Torsion Reveals the Mechanisms of Cyclovertical Strabismus*”
- 2009 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2009 - The Gissur Petursson, MD, Lecture – University of Arkansas – “*Strabismus Complications from Local Anesthetics*”
- 2009 - The Doheny Memorial Lecture – Doheny Eye Institute, University of Southern California - “*Changes in Strabismus over Time*”
- 2010 – The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2011 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2012 – TransAmerica Lecture - USCF Residents Day - “*Changes in Strabismus over Time: Implications for Management*”
- 2012 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2012 - The Dan Boyaner Lecture – McGill University - “*Changes in Strabismus over Time: Implications for Management*”
- 2012 – The Professor Samuel B. Johnson Memorial Lecture – University of Mississippi - “*Changes in Strabismus over Time: Implications for Management*”
- 2013 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye Hospital
- 2013 – The Harvey E. Thorpe Memorial Lecture – Pittsburgh Ophthalmology Society – “*Adventures in Ophthalmic Optics*”

- 2013 - The Lois A. Young, MD Memorial Lecture – Howard University Hospital
Department of Ophthalmology – *“Optical Tricks and Traps in Ophthalmology”*
- 2013 - The G. Victor Simpson, MD Lecture - The Washington National Eye Center –
“Optical Tricks and Traps in Ophthalmology and Strabismus”
- 2014 - The Arthur Jampolsky Lecture – Pacific Presbyterian Medical Center –
“Changes in Strabismus over Time – Clinical Implications”
- 2014 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2015 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2016 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2016 – The Bill Gillies Lecture, The Australian and New Zealand Strabismus Society –
*“Changes in Strabismus over Time: Clinical Implications for the
Future”*
- 2016 - A.E. Finley Distinguished Visiting Professor – University of North Carolina
- 2016 - Keynote Address: *“Eureka Moments in a Strabismus Career”* - AAPOS –
SPOSI Joint Meeting, Jaipur, India, December 2-4, 2016
- 2017 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2018 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2018 - Calhoun Visiting Professor - Wills Eye Hospital
- 2018 – A.E. Finley Distinguished Visiting Professor – University of North Carolina
- 2019 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2020 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2020 – Stephenson Visiting Professor – University of Louisville
- 2021 - The Charles J. Burnham Lectureship – University of Alabama at Birmingham
- 2021 - The Roger Johnson Lectureship - Seattle Children’s Hospital – University of
Washington
- 2022 - The Owen Belmont Memorial Lectureship on Optics and Refraction, Wills Eye
Hospital
- 2022 - The Jampolsky Lecture - American Association for Pediatric Ophthalmology
and Strabismus

Bibliography*

1. Guyton, D.L., The Capacitor Stimulating Electrode, in Functional Neuromuscular Stimulation, Report of a Workshop. April 27-28, 1972. National Academy of Sciences, Washington, D.C., 1972, pp 135-142.
2. Guyton, D.L., Hambrecht, F.T., and Frank, K., A Capacitor Electrode for Chronic Stimulation, Fed. Proc. 32(3):365 (March, 1973).
3. Guyton, D.L. and Hambrecht, F.T., Capacitor Electrode: Stimulates Nerve or Muscle without Oxidation-Reduction Reactions, Science 181:74-76 (July 6, 1973).
4. Guyton, D.L. and Hambrecht, F.T., Theory and Design of Capacitor Electrodes for Chronic Stimulation, Medical and Biological Engineering 12:613-619 (September, 1974).
5. Guyton, D.L., Automated Refraction, Invest. Ophthalmol., 13:814-818 (November, 1974).
6. Guyton, D.L., Other Approaches to Automated Refraction, Trans. Am. Acad. Ophthalmol. Otolaryngol. 79:OP501-507 (May-June, 1975).
7. Guyton, D.L., Automated Refraction, Ophthalmology Basic and Clinical Science Course, Section 1: Optics and Refraction, American Academy of Ophthalmology and Otolaryngology, Rochester, MN, 1975, pp 30-33.
8. Guyton, D.L., Automated Refraction, Ophthalmology Basic and Clinical Science Course, Section 1: Optics, Refraction and Contact Lenses, American Academy of Ophthalmology and Otolaryngology, Rochester, MN, 1976, pp 41-44.
9. Guyton, D.L., The SR III Subjective Refraction System, The Optician 173(4487):12-13 (June 3, 1977).
10. Guyton, D.L., A Guide to Automated Refractors, The Optician 173(4489):7, 9, 11 (June 17, 1977).
11. Guyton, D.L., Automated Refraction, Ophthalmology Basic and Clinical Science Course, Section 2: Optics, Refraction and Contact Lenses, American Academy of Ophthalmology and Otolaryngology, Rochester, MN, 1977, pp 62-65.

[*A few abstracts are included (6 total), only when significant by date or when solely representing a new area of investigation.]

12. Guyton, D.L. (ed.) American Board of Ophthalmology Oral Examination, Ocular Motility Prop Booklet, 1977.
13. Guyton, D.L., An Automated Subjective Refractor, Trans. Am. Acad. Ophthalmol. Otolaryngol. 83:OP-865 (1977).
14. Guyton, D.L., Prescribing Cylinders: The Problem of Distortion, Surv. Ophthalmol. 22(3):177-188 (Nov.-Dec., 1977).
14. Guyton, D.L., Automated Clinical Refraction, in T.D. Duane (ed.) Clinical Ophthalmology, Vol. 1, Chap 67, Harper & Row, Hagerstown, Maryland, 1978.
15. Guyton, D.L., The American Optical SR III Subjective Refraction System, in International Symposium, on Ophthalmological Optics, Tokyo, Society of Ophthalmological Optics of Japan, pp. 81-84, 1978.
16. Guyton, D.L. and Crane, H.D., An Optical System with Continuously Variable Spherocylindrical Power, Proc. Soc. Photo-optical Instrumentation Engineers Vol. 141, Adaptive Optical Components, pp. 26-30, 1978.
17. Guyton, D.L. and von Noorden, G.K., Sensory Adaptations to Cyclodeviations, in Reinecke, R.D. (ed), Strabismus: Proceedings of the Third Meeting of the International Strabismological Association, pp. 399-403, 1978.
18. Guyton, D.L., A New Instrument for Automated Subjective Refraction, in Shimizu, K. and Oosterhaus, J.A. (eds), XXIII Concilium Ophthalmologicum, Kyoto, 1978, Amsterdam-Oxford, Excerpta Medica, pp. 1252-1255, 1979.
19. Guyton, D.L., Automated Clinical Refraction, in Sloane, A. and Garcia, G., Manual of Refraction, 3rd ed., Little, Brown and Company, Boston, pp. 225-243, 1979.
20. Guyton, D.L., (consulting editor and co-director) Videotape: "Aphakic Spectacles in Perspective," Continuing Education in Ophthalmology, American Academy of Ophthalmology, 1979.
21. Guyton, D.L., Prescribing Cylinders: The Problem of Distortion, reprinted in Ophthalmology Basic and Clinical Science Course, Section 2: Optics, Refraction, and Contact Lenses, American Academy of Ophthalmology, San Francisco, 1979, pp. 118-133.
22. Dale, R.T. and Guyton, D.L., "The Influence of Peripheral Fusion on the 4-Prism Diopter Base-Out Test," Invest. Ophthalmol. Vis. Sci. Supplement: 199 (April, 1979).
23. Guyton, D.L., Prescribing Cylinders: The Problem of Distortion, Audio Digest, Ophthalmology 18(8) (April 24, 1980).

24. Guyton, D.L., Automated Clinical Refraction, in Safir, A. (ed.), Refraction and Clinical Optics, chap. 27, Harper & Row, Hagerstown, Maryland, 1980.
25. O'Donnell, F.E., Del Monte, M., and Guyton, D.L., Simultaneous Correction of Blepharoptosis and Exotropia in Aberrant Regeneration of the Oculomotor Nerve by Strabismus Surgery: A New Simplified Ptosis Correction for Selected Cases, Ophthalmic Surgery 11(10):695-697 (October, 1980).
26. Guyton, D.L., Exaggerated Traction Test for the Oblique Muscles, Ophthalmology 88(10):1035-39 (October, 1981).
27. Guyton, D.L., Discussion of. Blue Field Entoptic Phenomenon in Amblyopia, Grunwald, J.E. et al, Ophthalmology, 88(10):1056-57 (October, 1981).
28. Guyton, D.L., Comparative Material on Automated Refractors - 1981, Ophthalmology 88(10S):70-83 (October, 1981).
29. Minkowski, J.S. and Guyton, D.L., Potential Visual Acuity in Cataractous Eyes, in Francois, J., Maumenee, A.E., and Esente, I. (eds), Cataract Surgery and Visual Rehabilitation, Proceedings of the 2nd International Congress on Cataract Surgery and Visual Rehabilitation of the Aphakic Eye, Florence, 1981, Milan, Libreria Scientifica gia Ghedini, 1982, pp. 51-52.
30. Guyton, D.L., Discussion of: Apparent Foveal Displacement in Normal Subjects and in Cyclotropia, Bixenman, W.W., and von Noorden, G.K., Ophthalmology 89(1):62 (January, 1982).
31. Guyton, D.L., Discussion of: Micronics and Overrefraction, Sims, C.N., Ophthalmology, 89(8):936 (August, 1982).
32. Guyton, D.L., Comparative Material on Automated Refractors - 1982, Ophthalmology 89(8S):16-32 (August, 1982).
33. Guyton, D.L., Lensmeters: Conventional, Digital and Automatic - 1982, Ophthalmology 89(8S):42-60 (August, 1982).
34. Guyton, D.L., Instruments for Measuring Retinal Visual Acuity Behind Cataracts - 1982, Ophthalmology 89(8S):34-39 (August, 1982).
35. Guyton, D.L., Automated Refractors: Factors Are Analyzed in Determining Choice, Ophthalmology Times 7(15):1, 18, 20, 21, 26-28 (October 15, 1982).
36. Guyton, D.L., Automated Clinical Refraction, In T.D. Duane (ed.) Clinical Ophthalmology, Vol. 1, chap 67, Lippincott/Harper, Philadelphia, 1983, pp. 1-43.

37. Guyton, D.L., The American Optical SR-IV Programmed Subjective Refractor - Principles of Design and Operation, Am. J. Optom. Physiol. Optics 59(10):800-814 (October, 1982).
38. Guyton, D.L., Disorders of the Eye: Disturbances of Motility, in Avery and Tausch (eds), Diseases of the Newborn, Philadelphia, W.B. Saunders, 1984, pp 906-908.
39. Guyton, D.L., A New Test for Determining Who Will Benefit from Cataract Surgery, in Eye Research Seminar, New York, Research to Prevent Blindness, 1983, pp. 37-39.
40. Thompson, J.T. and Guyton, D.L., Ophthalmic Prisms: Measurement Errors and How to Minimize Them, Ophthalmology 90(3):204-210 (March, 1983).
41. Guyton, D.L., Computerized Diagnostic Instruments for Ophthalmic Practice, Ophthalmology 90(9S):115-119 (September, 1983).
42. Guyton, D.L., Discussion of Morton, G., Lucchese, N., and Kushner, B., The Role of Funduscopy and Fundus Photography in Strabismus Diagnosis, Ophthalmology 90(10):1186-1191 (October, 1983).
43. Minkowski, J.S., Palese, M., and Guyton, D.L., Potential Acuity Meter Using a Minute Aerial Pinhole Aperture, Ophthalmology 90(11):1360-1368, 1983.
44. Guyton, D.L., A Distortion-Free Cross Cylinder System for Automated Subjective Refraction, in Henkind, P. et al (eds), ACTA XXIV International Congress of Ophthalmology 1982, Lippincott, Philadelphia, 1983, pp. 1201-1204.
45. Guyton, D.L., A Distortion-Free Cross Cylinder System for Automated Subjective Refraction, in Brienin, G. and Siegel, I., (eds), Advances in Diagnostic Visual Optics, Springer-Verlag, Berlin, 1983, pp 84-88.
46. Guyton, D.L., Politics, Special Interests, and Realities in International Standards, in Henkind, P. et al (eds), ACTA XXIV International Congress of Ophthalmology 1982, Lippincott, Philadelphia, 1983, pp. 1286-1288.
47. Guyton, D.L., A Remote Cover Test Using Concave Mirrors, in Reinecke, R.D. (ed.) Strabismus II, New York, Grune & Stratton, 1984, pp. 857-863.
48. Guyton, D.L., Automated Refractors: A Continuing Evolution, Introduction to Chapter 3, Vision, Refraction, and Contact Lenses, in Ernest, T. (ed) The Year Book of Ophthalmology - 1983, Year Book Medical Publishers, Chicago, 1983, pp. 69-71.

49. Wright, K.W. and Guyton, D.L., A Pretreatment Test for Predicting the Effectiveness of Penalization, in Henkind, P. et al (eds), ACTA XXIV International Congress of Ophthalmology 1982, Lippincott, Philadelphia, 1983, pp. 896-901.
50. Scattergood, K.D., Brown, M.H., and Guyton, D.L., Artifacts Introduced by Spectacle Lenses in the Measurement of Strabismic Deviations, Am. J. Ophthalmol. 96(4):439-448 (October, 1983).
51. Guyton, D.L., Automated Refractors - 1983, Ophthalmology 90(9S):36-44, (September, 1983).
50. Taylor, H., Piro, P., Zubrowski, S. and Guyton, D.L., A Classification and Coding System for Information Retrieval on Diagnosis and Therapy, Ophthalmology 90(10):1254-1257 (October, 1983).
52. Guyton, D.L. Clinical Assessment of Ocular Torsion, Am. Orthoptic J. 33:7-15, 1983.
53. Guyton, D.L. and Gamble, L. (eds), Laser Trabecular Surgery for Open-Angle Glaucoma, Ophthalmic Procedures Assessment Recommendations, American Academy of Ophthalmology, San Francisco, 1983.
54. Guyton, D.L., Strabismus Surgery, Chap. 4 in Rice, T.H., Michels, R.G., and Stark, W.J. (eds) Ophthalmic Surgery, 4th ed., St. Louis/London, Mosby/Butterworths, 1984, pp. 85-113.
55. Roe, L.D., and Guyton, D.L., the Red Reflex from Retinoscopy's Point of View: Reflections on a Small Area, Surv. Ophthalmol. 28(4):345-348 (January-February, 1984).
56. Roe, L.D., and Guyton, D.L., An Ophthalmoscope Is Not a Retinoscope: The Difference is in the Red Reflex, Surv. Ophthalmol. 28(5):405-408 (March-April, 1984).
57. Roe, L.D., Guyton, D.L., The Light that Leaks: Brückner and the Red Reflex, Surv. Ophthalmol. 28(6):665-670 (May-June, 1984).
58. Minkowski, J.S. and Guyton, D.L., New Methods for Predicting Visual Acuity after Cataract Surgery, Ann. Ophthalmol. 16(6):511, 513-516 (June, 1984).
59. Guyton, D.L., Preoperative Evaluation of Visual Potential in Patients with Cataracts. Practical Reviews in Ophthalmology 1(7): audiotape presentation, 1984.
60. Guyton, D.L., Discussion of Paez, J.H., Isenberg, S. and Apt. L., Torsion and Elevation Under General Anesthesia and During Voluntary Eyelid Closure (Bell Phenomenon), J. Ped. Ophthalmol. Strab. 21(2):78 (March-April, 1984)

61. Guyton, D.L., Diagnosis and Treatment of Monocular Diplopia- Focal Points 1984: Clinical Modules for Ophthalmologists, Module 2, American Academy of Ophthalmology, San Francisco, 1984.
62. Guyton, D.L., Comment on Halliday, B.L., and Ross, J.E., Comparison of 2 Interferometers for Predicting Visual Acuity in Patients with Cataract, Surv. Ophthalmol. 28(6):691-692 (May-June, 1984).
63. Walsh, P.M., and Guyton, D.L., Letter to the Editor, Comparison of Two Methods of Marking the Visual Axis on the Cornea During Radial Keratotomy, Am. J. Ophthalmol. 97(5):660-661 (May, 1984.)
64. Guyton, D.L. and Gamble, L. (eds), Ophthalmic Neodymium:YAG Lasers: Safety and Effectiveness, Ophthalmic Procedures Assessment Recommendations, American Academy of Ophthalmology, San Francisco, 1984.
65. Henningson, M.A. and Guyton, D.L., Simulated Subjective Refractometry for Practice or Instruction. J. Ophthalmic Nursing and Technology 3(4):147-148 (July-August, 1984).
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