CURRICULUM VITAE

JAMES ARTHUR DAVISON, M.D., F.A.C.S.

PRIVATE PRACTICE: Wolfe Eye Clinic, P.C.

309 East Church Street Marshalltown, IA 50158

Cataract, Refractive Surgery & Comprehensive Ophthalmology

August 1980 - present

EDUCATION: Mayo Graduate School of Medicine and Wolfe Clinic, P.C.

Mayo Clinic - Rochester, Minnesota Vitreoretinal service observation

July 1980

Mayo Graduate School of Medicine

Mayo Clinic - Rochester, Minnesota

Ophthalmology Residency

1977 - 1980

Chief resident (six months)

1979 - 1980

Los Angeles County- University of Southern California Medical Center

Los Angeles, California

Rotating Ophthalmology Internship

1976 - 1977

Mayo Medical School - Rochester, Minnesota

Medical Doctorate

1972 - 1976

University of Minnesota

Minneapolis, Minnesota

Bachelor of Arts – Psychology

Summa Cum Laude

1970 - 1972

University of Wisconsin

La Crosse, Wisconsin

1968 - 1970

BOARD CERTIFICATION: National Board of Medical Examiners - 1977

American Board of Ophthalmology - 1981

BOARD AFFILIATIONS:

American Academy of Ophthalmology

American Society of Cataract and Refractive Surgery

American College of Eye Surgeons

American College of Surgeons

American Society of Contemporary Ophthalmology

American Medical Association

Iowa Medical Society

International Association of Ocular Surgeons International Society of Refractive Keratoplasty

Mayo Alumni Association

Marshalltown Medical Surgical Center, Board of Directors

APPOINTMENTS:

Clinical Associate Professor of Ophthalmology University of Utah

July 1, 2000 - present

Editorial Board - Review of Refractive Surgery

November 2004 - present

Editorial Board - JASCRS

July 1990 – December 1995

Director, Mayo Eye Fellows Board of Directors

1994-1995

President, Mayo Eye Alumni Association

1995-1996

President, Windsor National Associates

1999-2001

HONORS AND AWARDS:

<u>Surgicus Golden Hands Award</u> presented by the David J. Kelman Research Foundation at Surgicus III, New York City, 1986.

Qualified and listed at <u>Trusted LASIK Surgeons</u>, a LASIK surgeons directory service that screens LASIK surgeons based on research, experience, and premier patient care.

PRIVATE PRACTICE EXPERIENCE:

Dr. Davison joined 5 surgeons at Wolfe Clinic in Marshalltown, Iowa in 1980. With his partners, other offices were created in: West Des Moines, Fort Dodge, Cedar Falls, Waterloo, Ames and Cedar Rapids. He helped recruit surgeons and staff to each of the offices so that they could become integrated parts of a Wolfe Eye Clinic system. As of 2007, the Clinic is comprised of 7 locations, 11 Wolfe Family Vision Centers, and 21 outreach sites. The Clinic has a formal management structure and is staffed by 15 ophthalmic surgeons, 14 optometrists, and some 400 staff members. He has served as Chairman of the Board of Directors of Wolfe Eye Clinic and President of the Clinic Investments properties corporation since 1995.

He started the Vitrectomy Service in 1980, and through 1996 served as a general ophthalmologist seeing medical patients and performing cataract, incisional refractive, glaucoma, retinal laser, scleral buckles, pars plana vitrectomy, strabismus, and oculo-plastic surgeries. He generally devoted approximately three-fourths of his time to his general anterior segment practice and one-fourth to diseases of the retina and vitreous. With the recruitment of successive sub-specialists, he has retired from many of his surgical activities and since 1996, has specialized in cataract and refractive surgery.

RESEARCH AND EDUCATION EXPERIENCE:

Dr. Davison has delivered papers and discussions at various scientific meetings and has participated in numerous educational courses on eye surgical techniques in the United States, Puerto Rico, Canada, France, Germany, Italy, Japan, Hong Kong, and Chile.

He has helped develop five intraocular lens designs; Optical Radiation Corporation models UV31Y and UV71U, Pharmacia models UB120, 811, and DGR Corporation graduated length method IOL series. He has been a development contributor for the Alcon Aqualase Infiniti phacoemulsification machine, Bausch & Lomb Technolas 217A Excimer Laser and an FDA investigator for: Alcon Natural IOL, Alcon ReSTOR IOL, Alcon Stabilize BSS substitute, Alcon DisCoVisc viscoelastic, and Rayner Centerflex IOL.

PUBLICATIONS:

- 1. Davison, JA. Controlled drainage of massive choroidal hemorrhage. Ocutome/Fragmatome Newsletter 1981; 6: pp 1-2.
- 2. Davison JA, Bourne WM. Results of a penetrating keratoplasty using a double running suture technique. Archives of Ophthalmology 1981; 99: 1591-1595.
- 3. Davison JA. Modified J-loop intraocular lens insertion after posterior chamber iris-plane phacoemulsification; a safe, easy method. <u>American Intraocular Implant Society Journal</u> 1981; 7: 368-372.
- 4. Bourne WM, Davison JA, O'Fallon WM. The effects of oversize donor buttons on postoperative intraocular pressure and corneal curvature in aphakic penetrating keratoplasty. Ophthalmology 1982; 89: 242-246.
- 5. Davison JA. Letter to the Editor; Pseudophakic Pupillary Block in Posterior Chamber Lens Implantation.

 <u>Ophthalmic Surgery</u> 1982; 13: 1040.
- 6. Davison JA, Brubaker RF. Dimensions of the Anterior Chamber in Pigment Dispersion Syndrome. Archives of Ophthalmology 1983; 101: 81-83.

- 7. Graether JM, Davison JA, Harris GW, Watt RH, Widner RR, Sposito V. A Comparison of the Effects of Phacoemulsification and Nucleus Expression on Endothelial Cell Density. <u>American Intra-Ocular</u> Implant Society Journal 1983: 9: 420-423.
- 8. Davison JA. Endothelial Cell Loss During the Transition from Nucleus Expression to Posterior Chamber-Iris Plane Phacoemulsification. <u>American Intraocular Implant Society Journal</u> 1984: 10: 40-43.
- 9. Davison JA. Analysis of Capsular Bag Defects and Intraocular Lens Positions for Consistent Centration. <u>J Cataract Refract Surg</u> 1986; 12: 124-129.
- 10. Davison JA. Suprachoroidal Hemorrhage: A Review. <u>The Audiovisual Journal of Cataract and Implant Surgery</u> 1986; 2: Issue 3.
- 11. Davison JA. Acute Intraoperative Surachoroidal Hemorrhage in Extracapsular Cataract Surgery. <u>J</u> <u>Cataract Refract Surg</u> 1986; 12: 606-622.
- 12. Davison JA. Sodium Hyaluronate Exchange in Posterior Chamber Lens Implantation. <u>J Cataract Refract Surg</u> 1986; 12: 674-677.
- 13. Davison JA. Smaller-length IOL Introduced for Short Eyes. Ocular Surgery News 1987; 5: 21.
- 14. Davison JA. Phaco: This Conservative: Surgery Benefits Patients at Risk for AISH. <u>Ocular Surgery News</u> 1987; 5: 14-15.
- 15. Davison JA. Vitrectomy and Fluid Infusion in the Treatment of Delayed Suprachoroidal Hemorrhage After Combined Cataract and Glaucoma Filtration Surgery. <u>Ophthalmic Surgery</u> 1987; 18: 334-336.
- 16. Davison JA. Pick your First Phacoemulsification Patients with Great Care and Concern. <u>Ocular Surgery News</u> July 1, 1987; p. 8-9.
- 17. Davison JA. Minimal Lift-Multiple Rotation Technique for Capsular Bag Phacomulsification and Intraocular Lens Fixation. <u>J Cataract Refract Surg</u> 1988; 14: 25-34.
- 18. Davison JA. Operative Profile: James A Davison. Ocular Surgery News May 1,1988; p. 16.
- 19. Davison JA. A Short Haptic Diameter Modified J-loop IOL for Improved Capsular Bag Performance. <u>J</u> Cataract Refract Surg 1988; 14: 161-166.
- 20. Davison JA. Phacoemulsification: A Step Beyond the Iris-Plane Technique. <u>Video Journal</u> Ophthalmology 1988: IV: no. 2.
- 21. Davison JA. Letter to the Editor; No Lift Capsular Bag Phacoemulsification and Dialing Technique for No-hole Intraocular Lens Optics. <u>J Cataract Refract Surg</u> 1988; 14: 346-349.
- 22. Davison JA. Capsular Bag Phacoemulsification; Technique for in-the-bag placement. <u>Ocular Surgery News</u> 1988; June 1: 34-39.
- 23. Davison JA. Personal Correction of a Phacoemulsification Machine Problem (letter). <u>J Cataract Refract Surg</u> 1988; 14: 456-458.
- 24. Davison JA. Retinal Detachments and Tears: Incidence after Cataract Surgery. <u>Ocular Surgery News</u> 1988: October 1: 5, 96-7.

- 25. Davison JA. Retinal Tears and Detachments after Extracapsular Cataract Surgery. <u>J Cataract Refract Surg</u> 1988; 14: 624-632.
- 26. Davison JA. Transverse Astigmatic Keratotomy with Phacoemulsification. <u>Video Journal of Ophthalmology</u> 1988; IV: no. 6.
- 27. Davison JA. Transverse Astigmatic Keratotomy Combined with Phacoemulsification and Intraocular Lens Implantation: Results of Initial Cases. <u>J Cataract Refract Surg</u> 1989: 15: 38-44.
- 28. Davison JA. The Cutting and Suction Phaco Technique. <u>Video Journal of Ophthalmology</u> 1989; V: No. 2.
- 29. Davison JA. Bimodal Capsular Bag Phacoemulsification: A Serial Cutting and Suction Ultrasonic Nuclear Dissection Technique. <u>J Cataract Refract Surg</u> 1989; 15: 272-282.
- 30. Davison JA. Endocapsular Approach is Not Ideal in All Cases. <u>Ocular Surgery News</u> September 15, 1989; p 20, 24.
- 31. Davison JA. Distention of the Capsular Bag After Phaco and Posterior Chamber IOL Implantation: A Unique Complication of Capsulorhexis. <u>Ocular Surgery News</u>, November 1, 1989; p 18-19, 64-65.
- 32. Davison JA. Consultation Section: Management of the Small Pupil in Phacoemulsification. <u>J Cataract Refract Surg</u> 1989; 15: 711-712.
- 33. Apple D. Casanova R. Daun M. Gwin T. Brown G. Imkamp E. Haik M. Brown S. Davison J.: Technique of PC-IOL Implantation Using a Small Smooth, Circular, Continuous Tear Capsulotomy (Capsulorhexis). Video presented at the American Academy of Ophthalmology, 1989.
- 34. Davison JA. Capsular Bag Distension after <u>Endophacoemulsification and Posterior Chamber Intraocular Lens Implantation</u>. J Cataract Refract Surg 1990; 16: 99-108.
- 35. Davison JA. Thinning the Rim. <u>The Audiovisual Journal of Cataract & Implant Surgery</u> 1990; Volume VI, Issue 2.
- 36. Davison JA. Hybrid Nuclear Dissection Technique for Capsular Bag Phacoemulsification. <u>J Cataract</u> Refract Surg 1990; 16: 441-450.
- 37. Davison JA. Phacoemulsification in the Absence of Zonular Support: in Consultation Section. <u>J</u> Cataract Refract Surg 1990; 16: 656-658.
- 38. Davison JA. Silicone IOL Insertion Spares Optic Decentration. <u>Ocular Surgery News</u>, November 15, 1990, 44-45.
- 39. Davison JA. Jablonski R: Audio Makes Medical Record Safe and Sound. <u>Ocular Surgery News</u>, December 15, 1990, 1, 22, 23.
- 40. Davison JA. Transverse Astigmatic Keratotomy in Phacoemulsification. In: <u>Current Concepts of Multifocal Intraocular Lenses</u>. Edited by WA Maxwell, LT Nordan, Slack Inc., Thorofare, NJ, 1991, pp. 165-191.

- 41. Davison JA. Set-up. In: <u>Textbook of Advanced Phacoemulsification Techniques</u>, edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 3-14.
- 42. Davison JA. Wound Construction. In: <u>Textbook of Advanced Phacoemulsification Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 15-27.
- 43. Davison JA. Capsulotomy Tear Patterns. In: <u>Textbook of Advanced Phacoemulsification Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp 57-75.
- 44. Koch PS. Davison JA. Hydrodelamination & Hydrodissection. In: <u>Textbook of Phacoemulsification Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 99-104.
- 45. Davison JA. Introduction to Phacoemulsification. In: <u>Textbook of Phacoemulsification Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 107-138.
- 46. Davison JA. Capsular Bag Phacoemulsification. In: <u>Textbook of Advanced Phacoemulsification</u> <u>Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 153-187.
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- 49. Davison JA. IOL Insertion and Wound Closure. In: <u>Textbook of Advanced Phacoemulsification</u> Techniques. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 361-381.
- 50. Davison JA. Phacoemulsification in Glaucomatous Eyes. In: <u>Glaucoma Surgery</u>. Edited by JV Thomas, CD Belcher III, RJ Simmons. Year Book, Inc., Mosby, St. Louis, MO, 1992, pp. 295-314.
- 51. Nordan LT, Maxwell WA, Davison JA. The Philosophy of Eye Surgery. In: <u>The Surgical Rehabilitation of Vision</u>. Edited by LT Nordan, WA Maxwell, JA Davison, Gower Medical Publishing, New York, NY, 1992, pp. 1.1-1.3.
- 52. Apple D, Davison JA, Nordan LT. Capsulorhexis, PC IOL Centration, and Trans-scleral PC IOL Fixation. In: <u>The Surgical Rehabilitation of Vision</u>. Edited by LT Nordan, WA Maxwell, JA Davison, Gower Medical Publishing, New York, NY, 1992, pp. 9.1-9.12.
- 53. Davison JA. Cataract Removal by Phacoemulsification. In: <u>The Surgical Rehabilitation of Vision</u>. Edited by LT Nordan, WA Maxwell, JA Davison, Gower Medical Publishing, New York, NY, 1992, pp. 13.1-13.48.
- 54. Davison JA. Modified Insertion Technique for the SI-18NB Intraocular Lens. <u>J Cataract Refract Surg</u> 1991; 17: 849-853.
- 55. Davison JA. In Search of the Ideal IOL: Structural Features Designed for Capsular-Bag Placement. Ocular Surgery News, January 15, 1992, 55-58.
- 56. Davison JA. Three Basic Principles of in-the-bag Phaco Determine How Your Technique will Evolve. Phaco & Foldables; 5: January/February 1992, 1-4.

- 57. Davison JA. Inflammatory Sequelae with Silicone-Polypropylene IOL's (letter). <u>J Cataract Refract Surg</u>. 1992; 18: 421-422.
- 58. Davison JA. To Phaco or Not to Phaco? That is Not the Question. <u>Ocular Surgery News</u> 10: Dec. 15, p 10-11, 1992.
- 59. Davison JA. Keratometric Comparison of 4.0 and 5.5 mm Scleral Tunnel Cataract Incisions. <u>J Cataract Refract Surg</u>. 1993; 19: 3-8.
- 60. Davison JA. Structural Features of Intraocular Lenses Designed for Use Capsulorhexis (letter). <u>J</u> <u>Cataract Refract Surg.</u> 1993; 19: 112-116.
- Davison JA. Capsulorhexis Contraction Syndrome: Prevention and Management. <u>Ocular Surgery News</u>. March 1, 1993, pp 64-65.
- 62. Davison JA. Features and Complications of Retrobulbar Block for Cataract Surgery. <u>J Cataract Refract Surgery</u>, 1993: 19: 284-289.
- 63. Davison JA. Acute Intraoperative Suprachoroidal Hemorrhage in Capsular Bag Phacoemulsification. <u>J</u> <u>Cataract Refractive Surgery</u>, 1993; 19: 534-537.
- 64. Davison JA. Capsule Contraction Syndrome. <u>J Cataract Refract Surg</u>. 1993: 19: 582-589.
- 65. Masket S, Geraghty E, Crandall AS, Davison JA, Johnson SH, Koch DD, Lane SS: Undesired Light Images Associated with Ovoid Intraocular Lenses. <u>J Cataract Refract Surg</u> 1993; 19: 690-694.
- 66. Davison JA. Reply to Dr. Arnold (letter). <u>J Cataract Refract Surgery</u> 1993; 19: 814.
- 67. Davison JA. Reply to Dr. Epstein (letter). <u>J Cataract Refract Surgery</u> 1993; 19: 814-815.
- 68. Davison JA. Converting to Topical Anesthesia for Cataract Surgery: Selection, Communication, Technique. <u>Ocular Surgery News</u>, Dec. 1993, pp 5, 11.
- 69. Davison JA. "Patient Specific" Option List for Contemporary Cataract Surgery. <u>Ocular Surgery News</u>, 1993, pp 31, 49.
- 70. Davison JA. Reply to Dr. Nichamin (letter). J Cataract Refract Surg. 1994; 20: 106-108.
- 71. Davison JA. Simultaneous Cataract/IOL, Vitrectomy may Benefit Surgeon and Patients. <u>Phaco & Foldables</u>, Summer 1994.
- 72. Davison JA. Simultaneous Cataract IOL, Vitrectomy may Benefit Surgeon and Patients. <u>Ocular Surgery News</u>, November, 1994, pp 5, 7 (reprinted from <u>Phaco & Foldables</u>, Summer 1994).
- 73. Davison JA. The Dynamic Range of Phacoemulsification. Phaco & Foldables, (Summer 1995)
- 74. Davison JA: The Dynamic Range of Phacoemulsification. Video distributed by Alcon Surgical, Fort Worth, Texas, 1995.
- 75. Davison JA: Consultation Section: Reply Regarding Foldable Intraocular Lenses. <u>J Cataract Refract</u> Surg 1996; 22: 166-167.

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- 77. Davison JA: Contributor to: ProVision Series 2; Section 3, Vol 1, 1996. American Academy of Ophthalmology, San Francisco, CA.
- 78. Davison JA: Smoking Wound Burn. In: <u>Phaco Pearls from Around the World</u>. Edited by Brint SF. Video distributed by Alcon Surgical, Fort Worth, Texas, 1997.
- 79. Davison JA: Wound Poach. In: <u>Phaco Pearls from Around the World</u>. Edited by Stephan F. Brint SF. Video distributed by Alcon Surgical, Fort Worth, Texas, 1997.
- 80. Davison JA: Personal Phacoemulsification Technique. In: <u>Phacoemulsification Principles and Techniques</u>. Edited by Lucio Buratto, Slack Inc, Thorofare, NJ. 1998; pp. 407-413.
- 81. Lehmann R, Davison J, Weiler H: Surgical Application of the Turbosonics Aspiration Bypass System (ABS). Video distributed by Alcon Surgical, Fort Worth, Texas, 1998.
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- 83. Davison JA: A Comparison of Technologically Advanced Ultrasonic Tips. Alcon presents Advances in Technique & Technology. Review of Ophthalmology, April 1999;Part 2 of 2,pp 8-9.
- 84. Davison JA: Performance comparison of the Alcon Legacy 20000 1.1 mm TuboSonics and 0.9 mm MicroTip. <u>J Cataract Refract Surg</u>. October 1999; Vol. 25 pp 1382-1385.
- 84. Davison JA: Performance comparison of the Alcon Legacy 20000 1.1 mm TurboSonics and 0.9 mm Aspiration Bypass System tips. <u>J Cataract Refract Surg</u> 1999; 25:1386-1391.
- 85. Davison JA: Personal Techniques. In: <u>Clear Corneal Lens Surgery</u>, Fine IH (Ed), Slack Inc. Thorofare, NJ, 1999; Chapter 12, pp 157-184.
- 86. Davison JA: Consultation section on cataract surgery in central vein occlusion. Samuel Masket, Editor. <u>J Cataract Surg</u> 1999; 25: pp 1178-1179.
- 87. Davison JA. A comparison of technologically advanced ultrasonic tips. <u>Supplement to Review of Ophthalmology Part 2 of 2</u>, April 1999, pp 8-9.
- 88. Davison JA. Panelist in Outcomes: the material reasons behind IOL performance. <u>Supplement to Review of Ophthalmology</u> February, 1999
- 89. Davison JA: What causes idiopathic temporal darkness. Ocular Surgery News 1999; 17: pp 102-103.
- 90. Davison JA: Intraocular Lenses. In: <u>Clinical Ophthalmology 2000</u>, Tasman WS, Jaeger EA, (Eds), Slack Inc., Thorofare, NJ, 2000; Vol. 6 Chapter 11 pp 1-31
- 91. Davison JA; Free-hand clear corneal incision with Legacy 20,000 Aspiration Bypass System. In: <u>Atlas of Cataract Surgery</u>. Crandall AS, Masket S (Eds), Martin Dunitz Ltd., London, UK 1999; Chapter 16, pp 115-127

- 92. Davison JA: Positive and negative dysphotopsia in patients with acrylic intraocular lenses. <u>J Cataract Refract Surg</u> 2000; Vol. 26, No. 9, pp. 1346-1355.
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- 95. Davison JA: Challenging Cataract Surgery. "Cataract: Complications/Opacification" Boston: Physician Education, Inc.; 2001. (CD-ROM)
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- 100. Davison JA: Reducing ultrasound power during phaco. <u>Ocular Surgery News</u>, March 2002, pp. 9-10.
- Davison JA: Blue-light damage is well-established risk in pseudophakia. <u>Ophthalmology Times</u>, July 2002; Vol. 27, No.14, pp. 30-31.
- 102. Davison JA: Clinical performance of the Alcon SA30AL and SA60AT single-piece acrylic intraocular lenses. J Cataract Refract Surg 2002; 28:1112-1123.
- 103. Davison JA: Consultation Section: Cataract surgical problem. <u>J Cataract Refract Surg</u> 2002; Vol. 28, No. 4, pp 588.
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- Davison JA: Experience with ReSTOR, Interim results of the AcrySof ReSTOR IOL clinical study. On the Edge 2004. Supplement to J Cataract Refract Surg. July 2004; pp.20-21.
- Davison JA: How does the ReSTOR lens work? Expert Insight Review of Refract Surg. October 2004; Vol. 5, No. 4, pp. 18-20.
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