CURRICULUM VITAE 2019

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

CHAIR EMERITUS, WOLFE EYE CLINIC PRESIDENT, WOLFE SURGERY CENTER

FAMILY: Married

Three children

INTERESTS: Golfing, hiking, fishing, boating

PRIVATE PRACTICE: Wolfe Eye Clinic, P.C.

309 East Church Street Marshalltown, IA 50158

Cataract, Refractive Surgery &

Comprehensive Ophthalmology Specialist

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

LICENSES: Minnesota (non-renewed 2000) - 1977

Wisconsin 1977 California 1979 Iowa 1980

BOARD CERTIFICATION: National Board of Medical Examiners - 1977

American Board of Ophthalmology - 1981

BOARD AFFILIATIONS: American College of Eye Surgeons

American College of Surgeons American Medical Association

American Society of Cataract and Refractive Surgery American Society of Contemporary Ophthalmology

Iowa Medical Society

International Association of Ocular Surgeons
International Society of Refractive Keratoplasty

Marshall County Medical Society

Mayo Alumni Association

Society for Office Based Surgery

Marshalltown Medical Surgical Center

MEMBERSHIPS: American Medical Association (AMA)

American Society of Cataract & Refractive Surgery (ASCRS)

American Academy of Ophthalmology (AAO)
International Society of Refractive Surgery (ISRS)

Outpatient Surgery Society (OSS) Mayo Eye Alumni Association Mayo Alumni Association

Iowa Ophthalmologic Association

Iowa Medical Society

International Intraocular Implant Club (IIIC)

APPOINTMENTS: Clinical Associate Professor of Ophthalmology University of Utah

July 1, 2000 – October 2009 Editorial Board - JASCRS July 1990 – December 1995 Editorial Board - Review of Refractive Surgery November 2004 - present Director, Mayo Eye Fellows Board of Directors 1994-1995 President, Mayo Eye Alumni Association 1995-1996 President, Windsor National Associates 1999-2001 ASCRS Film Festival Judge

2004-2005

AWARDS:

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

Best Paper of Session at ASCRS in Chicago 2012: Capsule Complications and Refractive Results of Phacoemulsification IOL Implantation Surgery.

PRIVATE PRACTICE EXPERIENCE:

Dr. Davison joined 5 surgeons at Wolfe Eye Clinic in Marshalltown, Iowa in 1980. He and his associates started opening 7 other offices in: West Des Moines 1984, Fort Dodge 1986, Cedar Falls 1988, Cedar Rapids 1991, Waterloo 2000, Spencer 2011, and Iowa City 2013. He helped execute the successful merger with a three surgeon practice in Ames in 1997 and helped recruit full time specialty and sub-specialty surgeons and staff to each of the offices so that they could become integrated parts of the Wolfe Eye Clinic organization. As of 2013, the Clinic which is headquartered in Marshalltown is comprised of 9 main Wolfe Eye Clinic offices, 8 Wolfe Family Vision Centers, and 23 outreach sites. A three operating room ambulatory surgery center was incorporated into the West Des Moines office in 2009. The Clinic has a formal management structure and is staffed by 20 ophthalmic surgeons, 14 optometrists, and some 360 staff members. Access to subspecialty services within the offices is provided by rotation of subspecialty surgical teams which include: Cataract and Refractive Surgery, Cornea and External Disease, Medical and Surgical Retina and Vitreous, Glaucoma, Pediatric Ophthalmology and Adult Strabismus, and Ophthalmic Plastic and Reconstructive Surgery. He served as Chairman of the Board of Directors of Wolfe Eye Clinic and President of the Clinic Investments properties corporation from 1995 through 2010, and President of Wolfe Surgery Center from 2010-2012.

He started the Vitrectomy Service in 1980, and through 1996 served as a general ophthalmologist seeing medical patients and performing cataract, refractive, glaucoma, retinal laser, scleral buckling procedures, 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 surgery of the retina and vitreous. With the Clinic's recruitment of successive sub-specialists, he gradually retired from all of his subspecialty surgical activities except cataract and refractive surgery.

RESEARCH, EDUCATION, and CONSULTING EXPERIENCE:

Dr. Davison has delivered named lectures, scientific 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 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, Rayner Centerflex IOL, and has participated in numerous post-market studies. He is currently a consultant for Alcon Surgical.

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 Implant Society Journal</u> 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. J Cataract Refract Surg 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 Suprachoroidal 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. J Cataract Refract Surg 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> <u>Cataract Refract Surg</u> 1988; 14: 161-166.
- 20. Davison JA. Phacoemulsification: A Step Beyond the Iris-Plane Technique. <u>Video Journal Ophthalmology</u> 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. J Cataract Refract Surg 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</u> Surg 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. Video Journal of Ophthalmology 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</u> Refract Surg 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]. Topics: (1) Anterior Capsulotomy Technique Surgeons View, (2) Hydrodissection, (3) Demonstration of Structural Integrity of a Smooth, Continuous Tear Capsulotomy, (4) Intentional Cuts made in Capsulotomy, (5) Complication of Extension of Anterior Capsulotomy: (a) Zonular/capsular disruption (b) IOL decentration and/or dislocation (c) Pea-Podding, and (6) Center for Intraocular Lens Research Video presented at the American Academy of Ophthalmology, 1989.
- 34. Davison JA. Capsular Bag Distension after <u>Endophacoemulsification and Posterior Chamber Intraocular</u> Lens Implantation. 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 Refract Surg</u> 1990; 16: 441-450.
- 37. Davison JA. Phacoemulsification in the Absence of Zonular Support: in Consultation Section. <u>J</u> <u>Cataract Refract Surg</u> 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.
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- 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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- 48. Koch PS, Davison JA. Small Capsulotomy Cortical Aspiration Techniques. In: <u>Textbook of Advanced Phacomulsification Techniques</u>. Edited by PS Koch, JA Davison, Slack Inc., Thorofare, NJ, 1991, pp. 313-324.
- 49. Davison JA. IOL Insertion and Wound Closure. In: <u>Textbook of Advanced Phacoemulsification</u> <u>Techniques</u>. 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.
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- 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.
- 61. 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> Cataract Refractive Surgery, 1993; 19: 534-537.
- 64. Davison JA. Capsule Contraction Syndrome. J Cataract Refract Surg. 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. A free-hand, clear-corneal temporal-incision technique. <u>Ocular Surgery News</u>, September 1, 1994; pp 76-77
- 71. Davison JA. Reply to Dr. Nichamin (letter). <u>J Cataract Refract Surg</u>. 1994; 20: 106-108.
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- 73. Davison JA. Simultaneous Cataract IOL, Vitrectomy may Benefit Surgeon and Patients. <u>Ocular Surgery</u> News, November, 1994, pp 5, 7 (reprinted from Phaco & Foldables, Summer 1994).
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- 75. Davison JA: The Dynamic Range of Phacoemulsification. Video distributed by Alcon Surgical, Fort Worth, Texas, 1995.
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- 77. Davison JA: Acrylic IOL is well-centered the day after surgery. <u>Ocular Surgery News</u>, August 1, 1996; pp 64, 65.
- 78. Davison JA: Contributor to: ProVision Series 2; Section 3, Vol 1, 1996. American Academy of Ophthalmology, San Francisco, CA.
- 79. 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.
- 80. 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.
- 81. Davison JA: Personal Phacoemulsification Technique. In: <u>Phacoemulsification Principles and Techniques</u>. Edited by Lucio Buratto, Slack Inc, Thorofare, NJ. 1998; pp. 407-413.
- 82. 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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- 84. 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.

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- 101. Davison JA: Blue-light damage is well-established risk in pseudophakia. <u>Ophthalmology Times</u>, July 2002; Vol. 27, No.14, pp. 30-31.
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