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CURRICULUM VITAE

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SPECIALTY

Ophthalmology
Subspecialty: Cornea, Anterior Surgery and Glaucoma

INTERNSHIP, RESIDENCY AND FELLOWSHIP

- BAYLOR COLLEGE OF MEDICINE, Houston, TX
Fellowship 1972-73 Anterior Segment Surgery and External Disease
Drs. David Paton, Dan Jones and Louis Girard
- BAYLOR COLLEGE OF MEDICINE, Houston, TX
Residency 1969-72 Ophthalmology
Harvard Basic Science Course, 1969
- UNIVERSITY OF TEXAS, Galveston, TX
Internship 1961-62
Rotating - Mixed Surgical

EDUCATION

- UNIVERSITY OF OKLAHOMA, SCHOOL OF MEDICINE, Oklahoma City, OK, M.D. 1961
Awards and Honors:
The Outstanding Senior Student of Surgery
Oklahoma City Surgical Society Award
Student Research Award
"Relationship of Dry Lung Weights to Pulmonary Function in Dogs and Humans"
1961 Mosby Scholastic Book Award
- UNIVERSITY OF OKLAHOMA, Norman, OK
Awards and Honors:
Dean's Honor Society 3 Years
Phi Eta Sigma
National Honor Society
The Outstanding ROTC Cadet, 1955

CERTIFICATION and LICENSURE

- Medical License, State of Louisiana
- Medical License, State of Oklahoma
- Medical License, State of Texas
- Medical License, State of Mississippi
- 1975 American Board of Ophthalmology Certification

EXPERIENCE

- TULANE UNIVERSITY MEDICAL CENTER, New Orleans, LA
1978 - present Professor and Chairman, School of Medicine, Dept. of Ophthalmology
1978 - present Chief of Ophthalmology Service, Hospital and Clinic
- UNIVERSITY OF MISSISSIPPI, Jackson, MS
1973 – 1978 Associate Professor, School of Medicine, Dept of Ophthalmology
Director, Corneal Services
- POLLY RYON HOSPITAL, Richmond, TX 1969
1962 – 1969 General Practice
1967 Chief of Staff
1969 Four County Medical Society, Texas President
1967 Four County Medical Society, Texas Secretary

MILITARY SERVICE

- 1961 - 1969 Texas Army National Guard Honorable Discharge

AFFILIATIONS

Past and Present

- Fellow, American Academy of Ophthalmology
Public & Professional Education Committee
Public Education Resource Group
- Associate Examiner for American Board of Ophthalmology 1980, 1981, 1982, and 1983
- Jackson Ophthalmological Society President 1978
- International Eye Surgeons Association
- Society for the Prevention of Blindness, Board of Directors, Mississippi Chapter 1978
- Louisiana-Mississippi Ophthalmological and Otolaryngology Society
Program Chairman 1981
Counselor for Louisiana 1982/83
- International Glaucoma Congress
- Baylor Eye Resident Association
Outstanding Alumni Award
- Association for Research in Vision and Ophthalmology
- Scientific Advisory Board, Genetic Laboratories, Inc.
- Associate Member - Castroviejo Society
- American Intraocular Implant Society
- American Medical Association

- Orleans Parish Medical Society
- New Orleans Academy of Ophthalmology:
 - Executive Committee, 1984
 - Chairman, Transactions Committee, 1981 - 1986
 - Treasurer, 1986
- Tulane Eye Alumni
- Project Orbis, International Medical Advisory Board
- Ocular Microbiology & Immunology Society
- Southern Eye Bank
- Charter Member, Eye Bank Association of America
 - Honorary Medical Director, 1980 - 1995
- Louisiana Ophthalmology Association
- Fellow, American College of Surgeons
- Association of University Professors of Ophthalmology
- Radio Station (WRBH) for the Blind & Print Handicapped, Inc, Board Member May, 1988
- Honorary Member of Scope International, January, 1994.
- American Society for Laser Medicine and Surgery, Inc.
- American Society of Cataract and Refractive Surgery
- American Society of Contemporary Ophthalmology
- Regular Member of the Contact Lens Association of Ophthalmologists 1995
- Associate Member American Ophthalmological Society May 1997-May 2010
- Emeritus Member American Ophthalmological Society May 2010
- Pan American Association of Ophthalmology June 1988
- Fight for Sight, Advisory Council January 2005

HOSPITAL APPOINTMENTS

- Tulane Medical Center Hospital & Clinic:
 - Chief of Ophthalmology Service, 1978/present:
 - Executive Faculty Committee
 - Clinical Science Committee
 - Surgery Committee
 - Tulane University Senate 1981/82
 - Medical Executive Committee
 - FPP Executive Committee
- Veterans Administration Hospital, New Orleans, Louisiana, 1978 – 2005:
 - Director of Section
 - Dean's Committee
- Veterans Administration Hospital, Alexandria, Louisiana 1978 – 2005:
 - Director of Section
 - Dean's Committee
- Veterans Administration Hospital, Biloxi, Mississippi, 1980 – 2005:
 - Director of Section
 - Dean's Committee
- Charity Hospital, New Orleans, Louisiana, 1978/Present:
 - Chief of Ophthalmology, Tulane Service
- Huey P. Long Charity Hospital, Alexandria, Louisiana, 1978 – 2008:
 - Chief of Ophthalmology
- Touro Infirmary, New Orleans, Louisiana, 1978 – 2000:
 - Consultant
- Lafayette General Hospital, Lafayette, Louisiana, 1978 – 2005:
 - Consultant
- Lakeview Regional Medical Center, Covington, Louisiana, 1988/present:
 - Consultant

- St. Tammany Parish General Hospital, Covington, Louisiana, July 1988/present:
Consultant
- Eye, Ear, Nose and Throat Hospital, New Orleans, Louisiana, 1979/1995
Consultant

EDITORIAL APPOINTMENTS

- Editor, *Mediguide to Ophthalmology*, 1980/1982.
- New Orleans Academy of Ophthalmology
Chairman, Transactions Committee,
- Editor of Symposium 1981-1986
 - 1981 - Symposium on Glaucoma
 - 1982 - Symposium on Diseases and Surgery of the Lids, Lacrimal Apparatus & Orbit
 - 1983 - Symposium on Medical and Surgical Diseases of the Retina and Vitreous
 - 1984 - Symposium on Cataract Surgery
 - 1985 - Symposium on Pediatric Ophthalmology and Strabismus
 - 1986 - Symposium on Cornea, Refractive Surgery and Contact Lens
- Consultant to the Editorial Board of the *Journal Of The Louisiana State Medical Society*
- Coeditor, *Mediguide to Ophthalmology*, 1989-1991
- Medical Editorial Board of *Eyecare Technology Magazine*, 1994 to 1995.

SPECIAL INVITATIONS

- *The Committee for the American Bicentennial Presidential Inaugural*. Invitation to attend: United States Presidential Inauguration of George Herbert Walker Bush and James Danforth Quayle, Vice President. January 20, 1989. Washington, D.C.
- *The Committee for the American Bicentennial Presidential Inaugural*. Invitation to attend: United States Presidential Inauguration of George W. Bush and Richard Bruce Cheney, Vice President. January 20, 2001, Washington, D.C.
- *The Committee for the American Bicentennial Presidential Inaugural*. Invitation to attend: United States Presidential Inauguration of George W. Bush and Richard Bruce Cheney, Vice President. January 20, 2005, Washington, D.C.

EYE BANK APPOINTMENTS

- Southern Eye Bank
 - Charter Member, Eye Bank Association of America, New Orleans, LA
 - Board of Directors, 1978 - 1995
 - Honorary Medical Director - 1980 - 1995
- Mississippi Lions Eye Bank
 - Medical Director 1973 - 1978
- Lions Eyes of Texas Eye Bank, Houston, TX
 - Acting Medical Director, 1971 - 1973.

PUBLICATIONS

- 1.Caldwell DR. Advances in keratoplasty, 1972: A summary of the Southampton seminar. *Ophthalmic Surg.* 1973;4:23-30.
- 2.Caldwell DR. Comparison of intracapsular cataract extraction incision and closure technique. *Ophthalmic Surg.* 1973;4:41-46.
- 3.Girard LJ, Spak KE , Hawkins RS, Caldwell DR. Expulsive hemorrhage during intraocular surgery. *Trans Am Acad Ophthalmol.* 1973;77:OP119-OP125.
- 4.Girard LJ, Hawkins RS, Spak KE, Caldwell DR. Aspiration-irrigation of senile cataracts with ultrasonic fragmentation. Vitrectomy with ultrasonic fragmentation. *Trans Am Acad Ophthalmol.* 1973;77:541-542.
- 5.Girard LJ, Caldwell DR, Spak KE, Hawkins RS. Corneal stromal outgrowth. *Am J Ophthalmol.* 1973;76:445-450.
- 6.Nahmias AJ, Visintine AM, Caldwell DR, Wilson LA. Eye infections with herpes simplex viruses in neonates. *Surv Ophthalmol.* 1976;21:100-105.
- 7.Caldwell DR. Emergency eye care. *J Miss State Med Assoc.* 1977;18:25-29.
- 8.Caldwell DR. Aspiration and irrigation of congenital and traumatic cataracts. *South Med J.* 1977;70:1300-1303.
- 9.Caldwell DR. Postoperative recurrence of Reis-Bucklers' corneal dystrophy. *Am J Ophthalmol.* 1978;85:567-568.
- 10.Perry HD, Fine BS, Caldwell DR. Reis-Bucklers dystrophy: a study of eight cases. *Arch Ophthalmol.* 1979;97:664-670.
- 11.Caldwell DR. Triple procedures. In: Emery JM, Jacobson AC (eds). *Current Concepts in Cataract Surgery: Selected Proceedings of the Sixth Biennial Cataract Surgical Congress.* St. Louis: CV Mosby Co; 1980:197-198.
- 12.Caldwell DR. Resuturing a medallion implant through a small incision. *Ophthalmic Surg.* 1980;11:398-399.
- 13.Caldwell DR. Kastl P, Ottman D. A fungal infection as an intrascleral abscess. *Ann Ophthalmol.* 1981;13:841-842.
- 14.Caldwell DR. Peer Review and comments following. In the Literature: *Mediguide to Ophthalmology.* 1(1-1).
- 15.Caldwell DR. Editor's Comment: *Mediguide to Ophthalmology.* 1(1-2).

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16. Caldwell DR. Editor's Comment: *Mediguide to Ophthalmology*. 1(1-3).
17. Caldwell DR, Kastl PR. Triple procedure: penetrating keratoplasty, lens extraction, and IOL implantation. *Mediguide to Ophthalmology*. 1981;2(1):1-4.
18. Caldwell DR. Editor's Comment: *Mediguide to Ophthalmology*. 2(2).
19. Caldwell DR. Editor's Comment: *Mediguide to Ophthalmology*. 2(3).
20. Christenson J, Kastl PR, Caldwell DR. Bacterial contamination of donor corneas stored in McCarey-Kaufman medium. *Ophthalmic Surg*. 1982;13:231-233.
21. Naugle TC Jr, Caldwell DR. Eyelash loss corrected by cilia transplantation. *Dermatol Times*. 1982;3:1-5.
22. Naugle TC Jr, Caldwell DR. Eyelash loss corrected by cilia transplantation. *Ophthalmol Times*. February 1982;7:52-53.
23. Caldwell DR, Kastl PR, Dabiezies OH, Miller KR, Hawk TJ. The effect of long-term hard lens wear on corneal endothelium. *Contact Intraocul Lens Med J*. 1982;8:87-91.
24. Caldwell DR. Prevention of the recurrent pterygium by argon laser photocoagulation. *Highlights Ophthalmol*. 1983;9(11).
25. Caldwell DR, Kastl PR, Dabiezies OH, Miller KR, Hawk TJ. The effect of hard lens wear on corneal endothelium. *Acta XXIV International Congress of Ophthalmology*. JB Lippincott: Philadelphia; 1983:1156-1159.
26. Caldwell DR. Cryotherapy of the posterior capsule. In: Emery JM, Jacobson AC (eds). *Current Concepts in Cataract Surgery: Selected Proceedings of the Eighth Biennial Cataract Surgical Congress*. Norwalk, CT: Appleton-Century-Crofts; 1984:302.
27. Karcioğlu ZA, Caldwell DR. Frozen section diagnosis in ophthalmic surgery. *Surv Ophthalmol*. 1984;28:323-332.
28. Caldwell DR, Insler MS, Boutros G, and Hawk T. Primary surgical repair of severe peripheral marginal ectasia in Terrien's marginal degeneration. *Am J Ophthalmol*. 1984;97:332-336.
29. Caldwell DR, Salisbury CR, Guzek JP. Effects of topical betaxolol in ocular hypertensive patients. *Arch Ophthalmol*. 1984;102:539-540.
30. Caldwell DR, Kastl PR, Cook J, Simon J. Povidone-iodine: its efficacy as a preoperative conjunctival and periocular preparation. *Ann Ophthalmol*. 1984;16:577-580.
31. Woo FL, Johnson AP, Caldwell DR, Lertora JJ, George WJ. Piperacillin levels in human tears and aqueous humor. *Am J Ophthalmol*. 1984;98:17-20.
32. Caldwell DR. Freezing of the posterior capsule in extracapsular extraction. *Highlights Ophthalmol*. 1984;12(7).
33. Karcioğlu ZA, Caldwell DR, Reed HT. Papillomas of lacrimal drainage system: a

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clinicopathologic study. *Ophthalmic Surg.* 1984;15:670-676.

34. Caldwell DR. Penetrating keratoplasty: improved methods, concepts and techniques. *Highlights Ophthalmol.* 1:524-545. Personal Interview.
35. Caldwell DR. Laser surgery for updrawn pupils. Laser surgery for opening of narrow angle. Laser surgery for pterygium. *Highlights Ophthalmol.* 1:524-545. Personal Interview.
36. Insler MS, Boutros G, Caldwell DR. Penetrating keratoplasty combined with flexible anterior chamber lens implantation. *J Am Intraocul Implant Soc.* 1985;11:159-161.
37. Insler MS, Cooper HD, Caldwell DR. Analysis of corneal thickness and endothelial cell density in pseudophakic and aphakic patients undergoing penetrating keratoplasty. *Arch Ophthalmol.* 1985;103:390-393.
38. Johnson AP, Scoper SV, Woo FL, Caldwell DR, George WJ. Azlocillin levels in human tears and aqueous humor. *Am J Ophthalmol.* 1985;99:469-472.
39. Peyman GA, Caldwell DR, Conway MD, Viherkoski E, Weckstrom K. Early clinical experience with a new generation Q-switched neodymium: YAG laser. *J Am Intraocul Implant Soc.* 1985;11:292-294.
40. Insler MS, Caldwell DR. Techniques of flexible intraocular lens insertion during keratoplasty. *J Am Intraocular Implant Soc.* 1985;11:487-488.
41. Insler MS, Cooper HD, Kastl PR, Caldwell DR. Penetrating keratoplasty with trabeculectomy. *Am J Ophthalmol.* 1985;100:593-595.
42. Karcioğlu ZA, Caldwell DR. Corneal argyrosis: histologic, ultrastructural and microanalytic study. *Can J Ophthalmol.* 1985;20: 257-260.
43. Naugle TC Jr, Caldwell DR. Cilia transplantation to reconstruct eyelashes. In: *Techniques in Ophthalmic Plastic Surgery.* 1986:349-355.
44. Insler MS, Caldwell DR. Peripheral diseases (Terrien's and recurrent pterygium). In: Brightbill FS (ed). *Corneal Surgery: Theory, Techniques, and Tissue.* St. Louis: CV Mosby Co;1986:387-395.
45. Centifanto YM, Yates F, Caldwell DR. Recurrent and nonrecurrent HSV-1 strains: Local Immune Response. 4th International Symposium on the Immunology and Immunopathology of the Eye. Padova, Italy. 1986:43.
46. Cohen W, Chau SV, Kastl PR, Caldwell DR. X-ray affinity and photoaffinity inhibitor of aldose reductase. *J Ocul Pharmacol.* 1986;2:151-158.
47. Caldwell DR, Rowsey JJ. Corneal topography, diagnostic and therapeutic challenges in corneal astigmatism. *Cornea, Refractive Surgery, and Contact Lens: Transactions of the New Orleans Academy of Ophthalmology.* New York: Raven Press;1987;35:279-283.

48. Yates F, Centifanto YM, Caldwell DR. The effect of modulating the synthesis of arachidonic acid cascade products on HSV lesion recurrence. *Curr Eye Res.* 1987;6:99-104.
49. Insler MS, Cooper HD, Caldwell DR. Final surgical results with a suction trephine [published erratum appears in *Ophthalmic Surg* 1987;18:548]. *Ophthalmic Surg.* 1987;18:23-27.
50. Centifanto-Fitzgerald Y, Caldwell DR, Yates F. Herpes simplex virus: recurrent and non-recurrent strains. *Proc Soc Exp Biol Med.* 1987;185:484-492.
51. Foster CS, Cohen E, Hettinger M, Laibson PR, Berkowitz P, Caldwell DR, Kastl P, Eiferman R, Friedlander M, Wilson L, Lass J, Smith RE, Wallace D, Wright K, Black HJ, Forster R, Gelender H, Schwartz L, Brick D, Foulks G, Jones DB. Evaluation of topical cromolyn sodium in the treatment of vernal keratoconjunctivitis. *Ophthalmology.* 1988;95:195-201.
52. Caldwell DR. Cataracts. In: Caldwell DR, ed. *Cataracts. Proceedings of the 36th Annual Session of the New Orleans Academy of Ophthalmology.* New York: Raven Press;1988.
53. Abrams DA, Robin AL, Crandall AS, Caldwell DR, Schnitzer DB, Pollack IB, Rader JE, Reaves TA, Jr. A limited comparison of apraclonidine's dose response in subjects with normal or increased intraocular pressure. *Am J Ophthalmol.* 1989;108:230-237.
54. Centifanto Y, Norrild B, Andersen SM, Karcioğlu ZA, Porretta E, Caldwell DR. Herpes simplex virus-specific antibodies present in tears during herpes keratitis. *Proc Soc Exp Biol Med.* 1989;192:87-94.
55. Luntz M, Bruce L, Caldwell DR, Kolker A, Laibovitz R, Levy N, Mandell A. Panel discussion of betaxolol HC1: new 0.25% suspension maintains efficacy and improves comfort. *Ophthalmology Times.* May 1990.
56. Weinreb RN, Caldwell DR, Goode SM, Horwitz BL, Laibovitz R, Shrader CE, Stewart RH, Williams AT. A double-masked, three-month comparison between 0.25% betaxolol suspension and 0.5% betaxolol ophthalmic solution. *Am J Ophthalmol.* 1990;110:189-192.
57. Jacob-LaBarre JT, Caldwell DR. Development of a new type of artificial cornea for treatment of endstage corneal diseases. In: Bebelein CG, Dunn RL (eds). *Progress in Biomedical Polymers.* New York: Plenum Press; 1990:27-39.
58. Caldwell DR, Miller DG. Goniotomy technique for removal of anterior chamber intraocular lenses. *Ophthalmic Surg.* 1991;22:160-161.
59. Caldwell DR, Verin P, Hartwich-Young R, Meyer SM, Drake MM. Efficacy and safety of Iodoxamide 0.1% versus cromolyn sodium 4% in patients with vernal keratoconjunctivitis. *Am J Ophthalmol.* 1992;113:632-637.
60. Caldwell DR. What is the updated management of opaque corneas in eyes with glaucoma? What are the recommended techniques for removal of anterior and posterior chamber lenses? Guest Expert, *Highlights Ophthalmol. Letter* 1992;20:47-54. Series.

61. Wilhelmus KR, Hyndiuk RA, Caldwell DR, Abshire RL, Folkens AT, Godio LB. 0.3% ciprofloxacin ophthalmic ointment in the treatment of bacterial keratitis. The Ciprofloxacin Ointment/Bacterial Keratitis Study Group. Arch Ophthalmol. 1993;111:1210-1218.
62. Stonecipher KG, Tepper DJ, Jensen HG, Epes CR, Caldwell DR, Edmonds JT. Effect of incision size and perioperative antibiotics on the conjunctival flora associated with cataract surgery. ASCRS Symposium on Cataract, IOL and Refractive Surgery. Boston 1994.
63. Francis KM, O'Connor KC, Blake DA, Caldwell DR, Spaulding GF. Growth and structure of corneal tissue in simulated microgravity. In: Spier RE, Griffiths JB, Beuvery E, eds. Animal Cell Technology: Developments Towards the 21st Century. Boston: Kluwer Academic Publishers; 1995: 959-963.
64. Francis KM, O'Connor KC, Blake DA, Caldwell DR, Spaulding GF. Effect of simulated microgravity on contact inhibition in three-dimensional cultures of corneal cells. In preparation.
65. Sabates MA, Caldwell DR, Ellis, Jr., GS. Dysgenesis of the anterior segment and globe. In: Wright KW, ed. Pediatric Ophthalmology and Strabismus. St. Louis, Mo: Mosby-Year Book, Inc.; 1995:303-320.
66. Mulet M Jr, Caldwell DR. Cornea abnormalities. In: Wright KW (ed). Pediatric Ophthalmology and Strabismus. St. Louis: Mosby Year Book, Inc; 1995:321-348.
67. Hyndiuk RA, Eiferman RA, Caldwell DR, Rosenwasser GO, Santos CI, Katz HR, Badrinath SS, Reddy MK, Adenis JP, Klauss V: Comparison of ciprofloxacin ophthalmic solution 0.3% to fortified tobramycin-cefazolin in treating bacterial corneal ulcers. Ciprofloxacin Bacterial Keratitis Study Group. Ophthalmology. 1996;103:1854-1862.
68. Stewart RH, Caldwell DR, McCulley JP, et al. Alomide 0.1% versus sodium cromoglycate 4% in patients with giant papillary conjunctivitis: A multicenter study. J Allergy Clin Immunol. October 1996. In Press.
69. Heier J, Cheetham JK, DeGryse R, Dirks MS, Caldwell DR, Silverstone DE, Rosenthal A. Ketorolac tromethamine 0.5% ophthalmic solution in the treatment of moderate to severe ocular inflammation after cataract surgery: A randomized, vehicle-controlled clinical trial. Am J Ophthalmol. 1999;127:253-259.
70. Blake DA, Yu H, Young DL, Caldwell DR. Matrix stimulates the proliferation of human corneal endothelial cells in culture. Invest Ophthalmol Vis Sci. 1997;38:1119-1129.
71. Caldwell DR. The soft keratoprosthesis. Trans Am Ophthalmol Soc. 1997;95:751-802.
72. Caldwell DR. Endothelial Transplants, Descemet's Stripping Endothelial Keratoplasty (DSEK). Modern Ophthalmology: *The Highlights. The Account of a Master Witnessing a 60 Year Epoch of Evolution and Progress (1950-2010)*. 2009. The Cornea: Part IV Chapter 21

73. Muller G, Young TW, Reina R, Caldwell DR. Diverse Challenges in Pediatric Compounding: Treating Pulmonary Hypertension, Uncombable Hair Syndrome, and Acanthamoeba Keratitis. *International Journal of Pharmaceutical Compounding* (January/February 2010)

ABSTRACTS

1. Caldwell DR. A case report of rheumatoid episcleritis treated with subconjunctival heparin injections. *Ann Ophthalmol.* 1970;2:724
2. Girard LJ, Hawkins RS, Caldwell DR. Cyclodialysis with teflon implant. *Ann Ophthalmol.* 1970;2:723.
3. Caldwell DR, Kastl PR. Human tear Vitamin A in normals and dry eye patients. *Invest Ophthalmol* 1982; 22(Suppl): 20.
4. Lopez JG, Caldwell DR, Insler MS. A preliminary report on the in vitro homogeneous transplantation of human corneal endothelium. *Invest Ophthalmol.* 1984;35(Suppl):239.
5. Lopez JG, Insler M, Caldwell DR. In vitro allogeneic transplantation of human corneal endothelium: electron microscopic observations. *Ophthalmology* 1984;91(Suppl):123.
6. Cohen W, Chau SV, Kastl PR, Caldwell DR. Protection from sugar cataracts by a target-entrapped drug. *Invest Ophthalmol and Vis Sci.* 1984;25(Suppl):268.
7. Scoper SV, Johnson AP, Woo FL, Caldwell DR, George WJ. Azlocillin concentration in aqueous humor and tears after intravenous injection. *Invest Ophthalmol Vis Sci.* 1984: 25(Suppl): 20.
8. Lopez JG, Insler M, Caldwell DR. Effect of methotrexate concentration and exposure duration on human corneal endothelial cell survival in vitro. *Invest Ophthalmol and Vis Sci.* 1985;26(Suppl):145.
9. Karcioğlu ZA, Caldwell DR, Reed TH. Papillomas of lacrimal drainage system: A clinicopathologic study. *International Synopses/Ophthalmology Digest.* 1985.
10. Lopez JG, Insler M, Caldwell DR. Mass culture of human corneal endothelium utilizing microcarrier culture technique. *Ophthalmology* 1985;92(suppl):129.
11. Lopez, JG, Insler MS, Caldwell DR. Metabolic analysis of microcarrier based human corneal endothelial cells by use of phosphorous-31 nuclear magnetic resonance. *Invest Ophthalmol and Vis Sci.* 1986;27 (Suppl):68. Abstract.
12. Lopez JG, Insler MS, Caldwell DR. Microcarrier culture of human corneal endothelial cells. XXV International Congress of Ophthalmology. Rome, Italy; May 4-10, 1986. Abstract 219.
13. Lopez JG, Insler MS, Caldwell DR. Phosphorus magnetic resonance analysis of microcarrier-based human corneal endothelium. XXV International Congress of Ophthalmology. Rome, Italy; May 4-10, 1986. Abstract 220.
14. Lopez JG, Insler M, Caldwell DR. Heterologous transplantation of neonatal human corneal endothelium. *Invest Ophthalmol Vis Sci.* 1987;28(suppl):327.
15. Lopez JG, Insler MS, Caldwell, DR. Human corneal endothelial cell transplantation. American Academy of Ophthalmology, Dallas, November 8-12, 1987.

16. Kastl PR, Caldwell DR. PMMA and corneal endothelium. *CLAO J.* 1987;13(2):88-90.
17. Centifanto YM, Caldwell DR. Herpes simplex virus specific antibodies present in lacrimal fluid during herpes keratitis. *Invest Ophthalmol Vis Sci.* 1987;28 (Suppl):177.
18. Yates RFK, Centifanto YM, Caldwell DR. A comparison of several prostaglandin synthesis inhibitors on the recurrence of HSV lesions in the mouse HSV recurrence model. *Invest Ophthalmol Vis Sci.* 1987;28 (Suppl):45.
19. Centifanto YM, Caldwell DR. Herpetic ocular disease: genomic differences. *Invest Ophthalmol Vis Sci.* 1988;29(Suppl):153.
20. Caldwell DR. Mediguide to Ophthalmol. June 1988;3(2). Abstract.
21. Abrams DA, Robin AL, Pollack IP, Crandall AS, Caldwell DR, Schnitzer DB, Raeder J, Reaves TA Jr. A limited comparison of apraclonidine's dose response in subjects with normal or elevated intraocular pressures. *Invest Ophthalmol Vis Sci.* 1989;30(Suppl):98.
22. Stonecipher KG, Ainbinder D, Maxwell DP, Caldwell DR, Diamond JG. Infectious endophthalmitis: a review of cases from the cornea and retina services at Tulane Medical Center from 1979 to present. *Invest Ophthalmol Vis Sci.* 1990;31(Suppl):140.
23. Dutt R, Centifanto YM, Caldwell DR, Bobrowski P. The toxic effects of commercially used preparations of topical gentamycin and epinephrine on cultured human corneal endothelial cells. *Invest Ophthalmol Vis Sci.* 1990;31(Suppl):146.
24. Caldwell DR, Bobrowski P. The growth of human corneal endothelial cells: a system for in vitro homogeneity. *Invest Ophthalmol Vis Sci.* 1990;31(Suppl):144.
25. Benefield D, Stonecipher KG, Gordon RA, Morriss R, Tee MH, Caldwell D. Age related changes of refractive index of the human crystalline lens. *Invest Ophthalmol Vis Sci.* 1990;31(Suppl):158.
26. Bobrowski P, Stewart B, Centifanto Y, Caldwell D. Eye cosmetics: a medium for transmitting Chlamydia trachomatis. *Invest Ophthalmol Vis Sci.* 1990;31(Suppl):448.
27. Caldwell DR, Hartwich-Young R, Drake M, Verstappen A. Efficacy and safety evaluation of Iodoxamide 0.1% ophthalmic solution versus cromolyn sodium 4% ophthalmic solution in patients with vernal keratoconjunctivitis (VKC). *Invest Ophthalmol Vis Sci.* 1991;32(Suppl):736.
28. Dutt R, Bobrowski P, Centifanto Y, Caldwell D. Endothelial cell toxicity produced by commercially prepared solutions of anti-virals on cultured human corneal cells. *Invest Ophthalmol Vis Sci.* 1991;32(Suppl):1066.
29. Tepper DJ, Stonecipher KG, Jensen HG, Epes CR, Edmonds T, Caldwell DR, Kastl PR. Culture and sensitivity testing of perioperative flora associated with intraocular surgery. *Invest Ophthalmol Vis Sci.* 1993;34 (Suppl): 1454.
30. Francis KM, O'Connor KC, Blake DA, Caldwell DR, Spaulding GF. Growth and structure of corneal tissue in simulated microgravity. *Cytotechnology.* 1994;14(Suppl 1):7-16.
31. Caldwell DR, Edmonds T, Vives T. The effects of freezing the lens capsule following phacoemulsification - preventing capsule opacification? American Academy of Ophthalmology. San Francisco, California; October 30 - November 3, 1994.

32. Blake DA, Vogel T, Roberts DD, Caldwell DR, Whitehart DR. Cryopreservation of corneal endothelial cells depletes plasma membrane Na,K-ATPase activity. *Invest Ophthalmol Vis Sci.* 1994;35(Suppl):1600.
33. Hyndiuk RA, Eiferman RA, Caldwell DR, et al. Comparison of ciprofloxacin ophthalmic solution 0.3% (Ciloxan®) to fortified tobramycin/cefazolin in the treatment of bacterial corneal ulcers. American Academy of Ophthalmology Meeting. Atlanta, GA; Oct 29 - Nov 2, 1995.
34. Caldwell DR, Blake DA. The effect of substratum on the proliferation of human corneal endothelial cells. *Invest Ophthalmol Vis Sci.* 1995;36(Suppl):S300.
35. Hyndiuk RA, Eiferman RA, Caldwell DR, Rosenwasser GO, Santos CI, Katz HR, et al. Comparative minimal inhibitory concentrations of ciprofloxacin, tobramycin and cephalazolin against corneal ulcer isolates. *Invest Ophthalmol Vis Sci.* 1996;37(Suppl):S875.
36. Blake DA, Yu H, Deich MS, Caldwell DR. Cytotoxicity of 5-fluorouracil (5-FU) and mitomycin C (MMC) in cell culture models of human corneal endothelium. *Invest Ophthalmol Vis Sci.* 1998;39(Suppl): S254.
37. Coston TS, Yu H, Caldwell DR, Blake DA. Interactions of early passage human corneal endothelial (HCE) cells and virus-transduced HCE cells with matrix molecules. *Invest Ophthalmol Vis Sci.* 1998;39 (Suppl): S1127.
38. Crawford R, Blake DA, Caldwell DR. FK506 quantification in anterior chamber fluid. *Ophthalmic Practice*, February 1999, Vol. 17, No. 1 Abstract.

POSTER PRESENTATIONS

1. Kastl PR, Caldwell DR. Stereopsis in anisotropically fitted presbyopic contact lens wearers. Contact Lens Association of Ophthalmologists. Las Vegas, Nevada; January 28-31, 1982.
2. Caldwell DR, Kastl PR, Cherry RJ. Human tear vitamin A levels in normal and dry eye patients. Association for Research in Vision and Ophthalmology. Sarasota, Florida; May 1982.
3. Caldwell DR, Kastl PR, Dabiezies OH, Miller KR, Hawk TJ. The effect of long-term lens wear on corneal endothelium. XXIV International Congress of Ophthalmology. San Francisco, California; October 31, 1982.
4. Caldwell DR, Kastl PR. Vitamin A in human tears. XXIV International Congress of Ophthalmology. San Francisco, California; October 1982.
5. Caldwell DR, Insler MS, Lopez JG. Mass culture of human corneal endothelium utilizing microcarrier culture technique. American Academy of Ophthalmology. San Francisco; Sept. 29- Oct. 3, 1985.
6. Lopez JG, Insler MS, Caldwell DR. Human corneal endothelial cell transplantation. American Academy of Ophthalmology. Dallas, Texas; November 8-12, 1987.

7. Abrams DA, Robin AL, Pollack IP, Crandall AS, Caldwell DR, Schnitzer DB, Raeder J, Reaves TA Jr. A limited comparison of apraclonidine's dose response in subjects with normal or elevated intraocular pressures. ARVO; Sarasota, Florida; April 30-May 5, 1989.
8. Stonecipher KG, Ainbinder D, Maxwell DP, Caldwell DR, Diamond JG. Infectious endophthalmitis: a review of cases from the cornea and retina services at Tulane Medical Center from 1979 to present. ARVO; Sarasota, Florida; April 29-May 4, 1990.
9. Dutt R, Centifanto YM, Caldwell DR, Bobrowski P. The toxic effects of commercially used preparation of topical gentamicin and epinephrine on cultured human corneal endothelial cells. ARVO; Sarasota, Florida; April 29-May 4, 1990.
10. Caldwell DR, Bobrowski P. The growth of human corneal endothelial cells: a system for in vitro homogeneity. ARVO; Sarasota, Florida; April 29-May 4, 1990.
11. Benefield D, Stonecipher KG, Gordon RA, Morriss R, Tee MH, Caldwell DR. Age-related changes of refractive index of the human crystalline lens. ARVO; Sarasota, Florida; April 29-May 4, 1990.
12. Bobrowski P, Stewart B, Centifanto Y, Caldwell DR. Eye cosmetics: a medium for transmitting chlamydia trachomatis. ARVO; Sarasota, Florida; April 29-May 4, 1990.
13. Caldwell DR, Hartwich-Young R, Drake MM, Verstappen. Efficacy and safety evaluation of lodoxamide 0.1% ophthalmic solution versus cromolyn sodium 4% ophthalmic solution in patients with vernal keratoconjunctivitis (VKC). ARVO; Sarasota, Florida; April 28-May 3, 1991.
14. Dutt R, Bobrowski P, Centifanto Y, Caldwell DR. Endothelial cell toxicity produced by commercially prepared solutions of anti-virals on cultured human corneal cells. ARVO; Sarasota, Florida; April 28-May 3, 1991.
15. Francis K, O'Connor K, Caldwell DR, Spaulding G. Growth and structure of three-dimensional corneal tissue. AICHE; New York, New York; November 1994.
16. Caldwell DR, Edmonds T, Vives T. The effects of freezing the lens capsule following phacoemulsification - preventing capsule opacification? American Academy of Ophthalmology. San Francisco, California; October 30 - November 3, 1994.
17. Caldwell DR, Blake DA. The effect of substratum on the proliferation of human corneal endothelial cells in culture. ARVO; Ft. Lauderdale, Florida; May 14-19, 1995.
18. Hyndiuk RA, Eiferman RA, Caldwell DR, Rosenwasser GO, Santos CI, Katz HR, et al. Comparative minimal inhibitory concentrations of ciprofloxacin, tobramycin and cephalazolin against corneal ulcer isolates. ARVO, Ft. Lauderdale, FL, April 21-26, 1996.
19. Incidence of Glaucoma After Microkeratome Assisted Posterior Penetrating Keratoplasty (MAPPK) S.G. Sagett, D.R. Caldwell, R.S. Ayyala. ARVO, Ft. Lauderdale, FL, May 1-5, 2005.

ARTICLES AND BOOKS REVIEWED

1. Extended Wear Contact Lenses for Aphakia and Myopia. Edited by Hartstein J, St. Louis, The C.V. Mosby Company, 1982, for the American Journal of Ophthalmology.
2. Nutritional Blindness. Xerophthalmia & Keratomalacia. By Sommer A, Oxford University Press, 1982, for the American Journal of Tropical Medicine and Hygiene.
3. Guide to Trachoma Control. By Dawson CR, Jones BR, and Tarizzo MD, Geneva World Health Organization, 1981, for the American Journal of Tropical Medicine and Hygiene.

PRESENTATIONS

- Relationship of dry lung weights to pulmonary function in dogs and humans. Presented at: American College of Surgeons; San Francisco, CA; November 8, 1960.
- Penetrating keratoplasties and other corneal problems. Presented at: Jackson Ophthalmological Society; Jackson, MS; May 22, 1974.
- Caldwell DR :Guest Lecturer. Herpes simplex - medical and surgical management. Presented at: University of Tennessee; Memphis, TN; February 13, 1975.
- Eye infections with herpes simplex virus. Presented at: Seminar of Herpes Virus Infections; University of California; San Francisco, CA; September 27, 1975.
- CRV occlusion on decompression as a mode of treatment of same. Presented at: Jackson Ophthalmological Society; Jackson, MS; March 23, 1976.
- Phacoemulsification vs. Intraocular cataract extraction. Presented at: Kelman Research Foundation, American Academy of Ophthalmology and Otolaryngology; Las Vegas, NV; Oct. 6, 1976.
- Aspiration and irrigation of congenital and traumatic cataracts. Presented at: The 70th Annual Scientific Assembly, Southern Medical Association; New Orleans, LA; Nov. 8, 1976.
- Reis-bucklers' corneal dystrophy. Presented at: The Association for Research in Vision and Ophthalmology; Sarasota, FL; April 29, 1977.
- Resuturing a medallion implant through a small incision. Presented at: 15th Annual Ophthalmology Residents Alumni Association Meeting, Cullen Eye Institute; Houston, TX; Feb. 22, 1978.
- Emergency eye care. Presented at: North American Medical-Dental Association; Aspen, CO; Feb. 28, 1978.
- Principles of keratoplasty. Presented at: Spring Fiesta Ophthalmology Seminar; New Orleans, LA; April 15, 1978.

- Caldwell DR: Course Director. Presented at: Phacoemulsification Course: Congenital cataracts and complications of phacoemulsification; Tulane Medical School; New Orleans, LA; May 18-30, 1978.
- Diagnosis and treatment of ciliary body tumors. Presented at: EENT Hospital Staff Meeting. New Orleans, LA; July 18, 1978.
- Medical alumni study club lecture: what's new in ophthalmology. Presented at: Tulane Medical Alumni Meeting; New Orleans, LA; Oct. 20, 1978.
- Bacterial conjunctival diseases. Presented at: American Academy of Ophthalmology; Kansas City, MO; Oct. 23-24, 1978.
- The endothelium: pre and post-op, and triple procedures. Presented at: St. Vincent's Hospital; New York, NY; Nov. 2, 1978.
- Resuturing a medallion implant. Presented at: Southern Medical Association; Atlanta, GA; Nov. 12, 1978.
- Triple procedures - cryo of the posterior capsule. Presented at: 6th Biennial Welsh Cataract Surgical and IOL Congress, Baylor College of Medicine; Houston, TX; Dec. 4, 1978.
- Pediatric update: Congenital cataract and corneal diseases. Presented at: Tulane Medical School; New Orleans, LA; Feb. 1979.
- Caldwell DR. Moderator: Anterior segment and glaucoma. Speaker: Glaucoma and the corneal transplant patient. Presented at: Eye Foundation of American, Glaucoma Symposium; New Orleans, LA; Feb. 9, 1979.
- The cornea. Presented at: Fourth Annual New Orleans Spring Fiesta, Ophthalmology Seminar; New Orleans, LA; May 3-5, 1979.
- Anterior Vitrectomy. Presented at: Intraocular Lens and Microsurgery of the Eye Seminar, Azar Foundation; New Orleans, LA; May 4th, 1979.
- Caldwell, DR: Course Director. 1st Annual Tulane Eye Alumni Day and 14th Annual C.S. O'Brien Professorship, Tulane Medical School; New Orleans, LA; June 15-16, 1979: Monocular Cataracts in Children
 - Effect of Wet-Field Cautery on Astigmatism Following Cataract Surgery Biological Canaliculus Implant
 - An Easy, Reliable Method for Detecting Drug Preservative Allergies
 - A New Enucleation Prosthesis
 - Efficacy of Betadine as Ophthalmic Prep in Preventing Post-op Infections
 - Effects of Air on the Endothelium
 - The Role of Vitamin A in Tear Secretion
 - A Fungal Infection Presenting as a Intrasccleral Abscess
 - Relationship of Tears Immunoglobulin Levels to Deposit Buildup in Soft Contact Lenses

- Caldwell, DR: Visiting Professor, Guest Lecturer. Anterior vitrectomy and keratoplasty. Presented at: University of Chicago; Chicago, IL; August 24-29, 1979
- Lectures: Ultrasonic instrumentation, IOL complications, keratoplasty. Presented at: A New Orleans Course for Anterior and Posterior Segment Vitrectomy; New Orleans, LA; September 14-15, 1979.
- Caldwell DR: Guest Lecturer. Management of the vitreous in anterior segment surgery. Presented at: University of Mississippi; Jackson, MS; September 20, 1979.
- Keratoplasty keratoconus-contact lens. Presented at: Tripler Army Hospital; Honolulu, HI; November 14, 1979.
- Contact Lens Association of America; Las Vegas; January 11, 1980.
- Phacoemulsifier and others. Presented at: Anterior Segment Vitrectomy Course; Tulane Medical Center; New Orleans, LA; February 1-2, 1980.
- Triple procedures. Presented at: Eye Foundation of America; New Orleans, LA; March 1, 1980.
- New Orleans vitrectomy course for the anterior and posterior segment surgeon. Presented at: New Orleans, LA; May 2-3, 1980.
- Surgical correction of marginal ectasia. Presented at: Baylor Alumni Meeting; Houston, TX; June 6-7, 1980.
- 2nd Annual Tulane Eye Alumni Day and 15th C.S. O'Brien Professorship. Course Director. June 13-14, 1980. Presentations:
 - Investigations of the effects of the duration of soaking intra-ocular lenses on corneal endothelial cells
 - The role of mitosis or migration
 - Iris and ciliary body
 - A new concept for design of drugs to prevent diabetic cataract formation
- Keratoplasty - 1980. Presented at: Jackson Ophthalmology Society. Jackson, MS; September 14, 1980.
- Triple procedures: keratoplasty, cataract extraction and intraocular lens insertion. Presented at: Welsh Cataract Surgical and IOL Congress. Baylor College of Medicine; Houston, TX; Sept. 27- Oct. 1, 1980. Guest Panelist; Sept. 29, 1980.
- Bacterial contamination of donor corneas stored in McCarey-Kaufman media. Presented at: Scientific Meeting of the Eye Bank Association of America. American Academy of Ophthalmology; Chicago, IL; November 7, 1980.
- Surgical treatment of marginal ectasia. Presented at: Annual Scientific Assembly of the Southern Medical Association. San Antonio, TX; November 16-19, 1980.
- Caldwell DR: Visiting professor. Keratoconus and post-graft contact lens fitting, triple procedure with cryo-therapy of posterior capsule. Presented at: Contact Lens Seminar; Indiana University School of Medicine; Indianapolis, IN; December 6, 1980.
- Ultrasound instrumentation: aphakic keratoplasty and vitrectomy. Presented at: A New Orleans Vitrectomy Workshop, Tulane Medical School; New Orleans, LA; December 5, 1980.

- Herpes simplex latency. Presented at: Tulane Medical School; New Orleans, LA; January 28, 1981.
- Keratoconus. Presented at: CLAO, Contact Lens Association of Ophthalmology; Las Vegas, NV; January 30, 1981.
- Triple procedure. Presented at: The Eye Foundation of America, Symposium on the Anterior Segment; New Orleans, LA; February 20-21, 1981.
- Lensectomy, general aphakic keratoplasty. Presented at: A New Orleans Vitrectomy Workshop, Tulane Medical School; New Orleans, LA; March 27-28, 1981.
- An intracorneal pocket lenticle for the correction of aphakia. Presented at: Baylor Ophthalmology Alumni Meeting; Houston, TX; June 5-6, 1981.
- Salisbury C, Caldwell DR, Corneal implantation of biocompatible polymeric materials. Presented at the 1981 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 12, 1981.
- Horton C, Johnson MK, Caldwell DR, Effect of anti-inflammatory agents on response of the rabbit eye to pneumococcal toxins. Presented at the 1981 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 12, 1981.
- Azar J, Kastl P, Caldwell DR, Vitamin A levels in tears. Presented at the 1981 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 12, 1981.
- Salisbury C, Caldwell DR, Prevention of posterior capsular opacification following extracapsular extraction. Presented at the 1981 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 12, 1981.
- A different extracapsular technique. Presented at: 16th Annual C.S. O'Brien Professorship & 3rd Annual Tulane Eye Alumni Day, New Orleans, LA, June 12-13, 1981.
- Caldwell DR: Guest Faculty. Lensectomy - general, extra-capsular cataract extraction aphakic keratoplasty. Presented at: Anterior and Posterior Segment Vitrectomy Workshop, St. Louis Eye Hospital; St. Louis, MO; Oct. 16-17, 1981.
- Povidone-Iodine: Its efficacy as a pre-operative conjunctival and periocular prep. Presented at: Ocular Microbiology and Immunology Group Annual Meeting; Atlanta, GA; Oct. 31, 1981.
- New instrument ideas. Presented at: Microsurgery Study Group Meeting; Atlanta, GA; Oct. 31, 1981.
- Caldwell DR: Course Lecturer. Keratoplasties with intraocular lenses. Presented at: American Academy of Ophthalmology; Atlanta, GA; Nov. 3, 1981.
- Practical vitrectomy workshop for the anterior segment surgeon; Atlanta, GA; Nov. 4, 1981.

- Vitamin A in human tears. Presented at: Southern Medical Association, 75th Annual Assembly; New Orleans, LA; Nov. 15, 1981.
- Lensectomy - General, extracapsular cataract extraction, aphakic keratoplasty. Presented at: A New Orleans Course for Anterior and Posterior Segment Vitrectomy, Tulane Medical School; New Orleans, LA; Dec. 4-5, 1981.
- Extracapsular cataract surgery/vitreous loss, penetrating keratoplasty/ intraocular lens. Presented at: CLAO; Las Vegas, NV; Jan. 28-31, 1982. (Scientific poster displayed.)
- Extracapsular cataract extraction. Presented at: The Eye Foundation of America, Symposium on Glaucoma and Cataract; New Orleans, LA; Feb. 12-13, 1982.
- The dry eye, and extracapsular surgery. Presented at: V. A. - Alexandria; Alexandria, LA; Feb. 19, 1982.
- PROJECT ORBIS, PM Magazine interview for television from maiden voyage of ORBIS flight; Republic of Panama; March 1-12, 1982.
- Extracapsular cataract extraction. Presented at: The First Annual Park City Oculoplastic Conference; Park City, UT; March 14, 1982.
- Diagnosis and manifestations of the dry eye, triple procedure and keratoconus. Presented at: External Disease Postgraduate Course, Geisinger Medical Center; Danville, PA; April 9-10, 1982.
- The effect of topical glycerin on the corneal endothelium. Presented at: American Intra-Ocular Implant Society, Intraocular Lens Symposium; Los Angeles, CA; April 21-23, 1982.
- Vitrectomy for the anterior segment surgeon; Los Angeles, CA; April 24, 1982.
- Suction trephine. Presented at: Eye-Bank Association of America, South East Regional Meeting; New Orleans, LA; June 4, 1982.
- Caldwell DR: Course Director. Control of aphakic glaucoma by ciliary body photo-coagulation, follow-up on posterior capsule freezing and laser treatment of pterygiums - an eight year study. Presented at: 4th Annual Tulane Eye Alumni Day and 17th O'Brien Professorship; New Orleans, LA; June 11-12, 1982.
- Berry RL, Caldwell DR, Follow-up on posterior capsule freezing. Presented at the 1984 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 8, 1984.
- Laser treatment of pterygiums – An eight-year study. Presented at the 17th Annual C.S. O'Brien Professorship and 4th Annual Tulane Eye Alumni Day; Tulane Medical School; New Orleans, LA; June 11-12, 1982.
- Caldwell DR: Course Director. Ciliary processes therapy. Presented at: A New Orleans Course for Practical Anterior Segment Laser Therapy, Tulane Medical School; New Orleans, LA; June 12-13, 1982.

- Caldwell DR: Visiting Professor. University of Chicago, Department of Ophthalmology; Chicago, IL; August 16-20, 1982.
- Guest Panelist: Cryotherapy of the posterior capsule. Codirector of Course: Anterior vitrectomy. Presented at: Eighth Biennial Welsh Cataract Congress; Houston, TX, September 8-12, 1982.
- Extracapsular cataract surgery. Presented at: Vitrectomy Workshop, Waldorf Astoria Hotel; Manhattan, NY; September 25, 1982.
- The American experience. Presented at: Keratoconus Symposium, CLAO, Contact Lens Association of Ophthalmologists; Las Vegas, NV; October 28-29, 1982. (Scientific poster displayed.)
- Endothelium and contact lenses. Presented at: International Congress of Ophthalmology; San Francisco, CA; October 31, 1982.
- Keratoplasties with IOLs. Presented at: American Academy of Ophthalmology; San Francisco, CA; November 3, 1982. (Scientific poster displayed.)
- Triple procedures, cryotherapy of the posterior capsule, anterior segment laser therapy. Texas Society of Ophthalmology and Otolaryngology, 57th Annual Meeting; Corpus Christi, TX; December 3-4, 1982.
- Open sky vitrectomy and vitreous loss. Presented at: the Vitrectomy and Anterior Segment section of program, American Intra-Ocular Implant Society Symposium; New Orleans, LA; March 24-27, 1983. Chaired paper presentations on March 24th.
- Triple anterior vitrectomy procedure. Presented at: Georgia Ophthalmology Society; Atlanta, GA; May 6-8, 1983.
- Special Consultant to the Minister of Defense, (Ophthalmology and Health Care). Tarif, Saudi Arabia; May 15-21, 1983.
- Etiology and treatment of pterygium. Presented at: Tulane 18th Annual C.S. O'Brien Professorship and 5th Annual Tulane Eye Alumni Day, Tulane School of Medicine; New Orleans, LA; June 10-11, 1983.
- Keratoplasties with intraocular lens implants. Presented at: American Academy of Ophthalmology; Chicago, IL; October 31, 1983. CILCO Mini-Vitrectomy Course, Lecturer; Chicago, IL; November 1, 1983.
- Eye health care. Presented at: Rotary Club; New Orleans, LA; January 4, 1984.
- Keratoconus. Presented at: Contact Lens Association of Ophthalmologists, Inc.; Las Vegas, NV; January 13, 1984.
- Conjunctival carcinoma. Presented at: Third Annual Oculoplastics Meeting; Park City, UT; February 2, 1984.

- Cryotherapy to the posterior capsule. Presented at: The Eye Foundation of America; New Orleans, LA; February 17, 1984.
- Corneal related problems in cataract surgery, and treatment of the posterior capsule and extracapsular. Presented at: The Society of Air Force Clinical Surgeons; Keesler AFB, Biloxi, MS; April 17, 1984.
- Pavese T, Caldwell DR, Boys-Smith JW; Double-blind comparison of Betaxolol vs Timolol in ocular hypertensive patients. Presented at the 1984 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 8, 1984.
- Chau SV, Cohen W, Caldwell DR, Second generation anti-diabetic cataract chemotherapy. Presented at the 1984 C.S. O'Brien Professorship; Tulane Medical School, New Orleans, LA; June 8, 1984.
- Keratoplasty I. Presented at the 19th Annual C.S. O'Brien Professorship and 6th Annual Tulane Eye Alumni Day; Tulane Medical School; New Orleans, LA; June 8-9, 1984.
- Penetrating keratoplasty I - Basic principles; and Keratoplasty III - Special procedures. Presented at: American Academy of Ophthalmology, Southern Regional Update Course; Houston, TX; Sept. 16, 1984.
- Poster Presentation: In vitro allogeneic transplantation of human endothelium. American Academy of Ophthalmology; Atlanta, GA, November 11-16, 1984.
- Keratoplasties with intraocular lenses. Presented at: American Academy of Ophthalmology, Atlanta, GA, November 14, 1984.
- The road to here: A departmental update. Presented at the 20th Annual C.S. O'Brien Professorship and 7th Annual Tulane Eye Alumni Day; Tulane Medical School; New Orleans, LA; June 14-15, 1985.
- Pharmacia - Third Faculty Update Meeting; Sweden; August 17-23, 1985.
- Sixth Laser Workshop. St. Louis, MO; August 24, 1985.
- Cataract review. Presented at: CILCO, Inc., Ophthalmic Seminar; Puerto Rico; August 30 – Sept 1, 1985.
- Keratoplasties with intraocular lenses. Presented at: American Academy of Ophthalmology; San Francisco, CA; Sept. 29-October 3, 1985.
- Marginal ectasia. Presented at: The Pan-American Association of Ophthalmology, North American Course; Key Biscayne, FL; January 10,11 and 12, 1986.
- Keratoconus. Presented at: Contact Lens Association of America; Las Vegas, NV; Jan. 14, 1986.
- Chaired Symposium. Entitled: Technology. Presented at: Contact Lens Association of America; Las Vegas, NV; Jan. 14, 1986.

- Triple procedures. Presented at: The Eye Foundation of America, Symposium on Cataract: Biochemical-Medical-Surgical-Laser; New Orleans, LA; February 14-15, 1986.
- Rosenthal W, Insler M, Caldwell DR, Blitzler M. Aqueous amino acids in Fuchs corneal dystrophy. Presented at the 1986 C.S. O'Brien Professorship; Hotel Meridien Hotel, New Orleans, LA; June 13, 1986.
- Chau S, Cohen W, Caldwell DR, Endhein Chester disease: A case presentation. Presented at the 1986 C.S. O'Brien Professorship; Hotel Meridien, New Orleans, LA; June 13, 1986.
- Aran A, Karcioğlu Z, Caldwell DR, Kastl P, The effect of long acting topical carbonic anhydrase inhibitors on intraocular pressure. Presented at the 1986 C.S. O'Brien Professorship; Hotel Meridien, New Orleans, LA; June 13, 1986.
- Buckley D, Caldwell DR, Treatment of vernal conjunctivitis with Suprofen, a nonsteroidal anti-inflammatory. Presented at the 1986 C.S. O'Brien Professorship; Hotel Meridien, New Orleans, LA; June 13, 1986.
- Keratoprosthesis – Update 1986. Presented at the 21st Annual C.S. O'Brien Professorship and 8th Annual Tulane Eye Alumni Day; Hotel Meridien; New Orleans, LA; June 13-14, 1986.
- Alumni Study Club: Parts is parts. Presented by: Tulane Medical Alumni Association in conjunction with Homecoming 1986. Intraocular lenses. Presented at: XVII Annual Maxwell Lapham Lecturer; October 31, 1986.
- Keratoplasties with intraocular lenses. Presented at: American Academy of Ophthalmology; New Orleans, LA; November 8-13, 1986.
- Caldwell DR: Eye Bank Association symposium secretary and instructor in keratoconus. Presented at: CLAO, Contact Lens Association of Ophthalmologists; Las Vegas, NV; January 14-18, 1987.
- Corneal complications of intraocular lenses - surgical management. Pan-American Association of Ophthalmology; Santo Domingo, Dominican Republic; April 5-10, 1987.
- Keratoconus fitting. Presented at: Tulane-Ellender Contact Lens Course; New Orleans, LA; April 24-25, 1987.
- Caldwell DR, Jacob-LaBarre J. A new approach to keratoprotheses – Update 1987. Presented at the 22nd Annual C.S. O'Brien Professorship and 9th Annual Tulane Eye Alumni Day; Hotel Meridien; New Orleans, LA; June 12-13, 1987.
- Keratoplasties with intraocular lenses. Presented at: American Academy of Ophthalmology; Dallas, TX; November 8-12, 1987.
- Keratoprosthesis: indications and management. The management of corneal perforations. American Academy of Ophthalmology Southern Regional Update Course; Miami, FL; March 4-5, 1988.

- Corneal IOL complications and their treatment. Moderator of Session I: External disease update 1988. Presented at: The Pan-American Association of Ophthalmology, Second North American Course; Orlando, FL; May 26-29, 1988.
- Keratoplasties with intraocular lenses (1988 Honor Award Recipient.) Presented at: American Academy of Ophthalmology; Las Vegas, NV; October 8-12, 1988.
- International Society of Refractive Keratoplasty - Moderator: management of refractory glaucoma . Presented at: Contact Lens Association of Ophthalmology, Annual Meeting; New Orleans, LA; January 18-21, 1989.
- Sabates M, Caldwell DR, The effect of topical Verapamil on intraocular pressure. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Rader J, Caldwell DR, Glaucoma surgical therapy – Retrospective review. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Hendricks C, Caldwell DR; Management of wound dehiscence following penetrating keratoplasty. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Gilbert M, Caldwell DR, Susceptibility of acanthamoeba to cryotherapeutic treatment. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Faris D, Caldwell DR, The use of cyclosporine in the treatment of corneal graft rejection. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Miller D, Caldwell DR, Goniotomy technique for removal of anterior chamber IOL. Presented at the 1989 C.S. O'Brien Professorship; Royal Sonesta Hotel, New Orleans, LA; June 9, 1989.
- Keratoprosthesis 1989. Presented at: 24th Annual C.S. O'Brien Professorship and 11th Annual Tulane Eye Alumni Day, Tulane University Medical Center; New Orleans, LA; June 9-10, 1989.
- Keratoprosthesis with intraocular lenses. Presented at: American Academy of Ophthalmology; New Orleans, LA; October 29-November 2, 1989.
- Keratoprosthesis update. Presented at: New York Ophthalmological Society; New York, NY; March 12, 1990.
- 1) Comparison of phaco techniques, 2) Cataract surgery in glaucoma patients, and 3) Corneal complications of cataract surgery. Presented at: CATARACT 1990; Dallas, TX; September 7, 1990.
- Taught keratoprosthesis surgical technique to ophthalmologists in Southern France. Toulouse, and Paris, France; January 17-20, 1991.

- Taught keratoprosthesis surgical technique to ophthalmologists in Bamako, Mali, April 1-6, 1991.
- Photorefractive keratectomy utilizing the excimer UV200. Presented at: American Society for Laser Medicine and Surgery, 11th Annual Meeting; San Diego, CA; April 29-May 1, 1991.
- First patient implanted with the Caldwell-Py prosthesis: One year result (Video); and A new soft keratoprosthesis (Update 1). Presented at: The Fourth International Cataract, Implant, Microsurgical and Refractive Keratoplasty Meeting; Seoul, Korea; May 8-10, 1991.
- Killeen S, Naugle TC, Caldwell DR, Cilia Transplant. Presented at the 1991 C.S. O'Brien Professorship; New Orleans, LA; June 14, 1991.
- Keratoprosthesis: Update 1991. Presented at the 26th Annual C.S. O'Brien Professorship and 13th Annual Tulane Eye Alumni Day; Royal Sonesta Hotel, New Orleans, LA; June 15, 1991.
- Caldwell-Py keratoprosthesis update and excimer laser update. Presented at: Ophthalmology Update Meeting, sponsored by the University of Mississippi Medical Center; Jackson, MS; August 17, 1991.
- Lectured and performed keratoprosthesis surgery. Sponsor: Transphyto; Karachi, Pakistan; October 25-30, 1991.
- Epithelial downgrowth: New thoughts and treatment. Presented at the 27th Annual C.S. O'Brien Professorship and 14th Annual Tulane Eye Alumni Day; Radisson Suite Hotel, New Orleans, LA; June 12-13, 1992.
- Waring G, Caldwell DR, Gordon M, Puliafito C, Steinert RF, Durrie DS. Refractive and visual results of a multicenter trial of excimer laser photorefractive keratectomy. Presented at: Summit International Laser User Group; Montreux, Switzerland; Sept. 4-6, 1992.
- 1) Combined cataract and trabeculectomy and 2) Keratoprosthesis. Presented at: Annual Clinical Congress of the American College of Surgeons; New Orleans, LA; October 11-16, 1992.
- Tepper DJ, Stonecipher KG, Jessep HG, Epes CR, Edmonds T, Caldwell DR. Culture and sensitivity testing of perioperative flora associated with intraocular surgery. Presented at: ARVO; Sarasota, FL; May 2-7, 1993.
- Prevention of recurrent pterygium with argon laser. Presented at: The 28th Annual C.S. O'Brien Professorship and the 15th Annual Tulane Eye Alumni Day; Sheraton New Orleans, New Orleans, LA; June 11-12, 1993.
- Free Paper presentation, entitled: A new keratoprosthesis (KP): Surgical technique and preliminary worldwide clinical results. Presented at: XIX Pan-American Congress of Ophthalmology; Caracas, Venezuela; July 11-15, 1993.
- 1) Management of the patient with cataracts and glaucoma, 2) Update in pterygia, and 3) Ocular manifestations of systemic diseases. Presented at: Medical Care of the Elderly Medical Conference; Panama, Republic of Panama; September 15-19, 1993.

- Visiting Professor: Ocular manifestations of systemic disease. Presented at: Zayed Military Hospital in Abu Dhabi, United Arab Emirates; September 30-October 8, 1993.
- 29th Annual C.S. O'Brien Professorship and 16th Annual Tulane Eye Alumni Day, June 10, 1994, Royal Sonesta Hotel, New Orleans, LA, Cryo of the posterior capsule revisited: 3-year results.
- O'Connor KC (Speaker), Clejan S, Francis K, Blake D, Caldwell DR, Spaulding G. Regeneration of three-dimensional tissue from cell culture in simulated microgravity. Presented at: Annual Meeting of the American Institute of Chemical Engineers; San Francisco, CA; 1994.
- Francis KM, O'Connor KC, Blake DA, Caldwell DR, Spaulding GF. Growth and structure of corneal tissue in simulated microgravity. Presented at: Joint Meeting of the European Society for Animal Cell Technology and the Japanese Association for Animal Cell Technology; Veldhoven, The Netherlands; 1994.
- Caldwell DR. Ocular allergies. Presented at: Atlanta Ophthalmological Society; Atlanta, GA; March 16, 1995.
- Pophal MD, Caldwell DR, Analysis of trephines. Presented at the 1995 C.S. O'Brien Professorship, June 9, 1995.
- Notaroberto NF, Caldwell DR, Microendoscopic laser ablation of the ciliary body and the effect on intraocular pressure. Presented at the 1995 C.S. O'Brien Professorship, June 9, 1995.
- 30th Annual C.S. O'Brien Professorship and 17th Annual Tulane Eye Alumni Day, June 10, 1995, Fairmont Hotel, Keratoprosthesis – Five year review.
- Caldwell DR. Corneal complications of intraocular surgery; Endolaser ciliary body ablations. Is this the surgery of the future for glaucoma? Soft keratoprosthesis. Presented at: I Conclave Nacional Omniquirurgico A□o (2001 - 6); San Salvador, El Salvador; September 27-30, 1995.
- Villani LD, Blake DA, Caldwell DR, Interaction between cat clear and gortex: A possible keratoprosthesis anchoring material. Presented at the 1996 C.S. O'Brien Professorship, June 14, 1996.
- Caldwell DR. Ocular manifestations of allergic diseases. Phacoemulsification—Past, present, future. Presented at: VI Ophthalmology National Congress; San Salvador, El Salvador; September 26-28, 1996.
- Crawford R, Caldwell DR, Topographic analysis of post-transplant peripheral cornea to assess astigmatism of graft. Presented at the 1997 C.S. O'Brien Professorship, June 13, 1997.
- 32nd Annual C.S. O'Brien Professorship and 19th Annual Tulane Eye Alumni Day, June 14, 1997, Fairmont Hotel, New Orleans, LA, Ocular allergies.

- Villani LJ, Caldwell DR, Blake DA, Further studies on the flexible keratoprosthesis. Presented at the 1998 C.S. O'Brien Professorship, June 19, 1998.
- Crawford R, Caldwell DR, FK506 standard curve and FK506 standard curve in anterior chamber fluid. Presented at the 1998 C.S. O'Brien Professorship, June 19, 1998.
- Turla T, Caldwell DR, Randomized evaluation of the safety and efficacy of Impra in tube-shunt glaucoma surgery. Presented at the 1998 C.S. O'Brien Professorship, June 19, 1998.
- 33rd Annual C.S. O'Brien Professorship and 20th Annual Tulane Eye Alumni Day, June 20, 1998, Fairmont Hotel, New Orleans, LA, The posterior capsule.
- Caldwell DR. Ocular manifestations of systemic disease; Allergic ocular diseases, presented at the Aran Eye Associates - Fourth Annual Island Retreat in Key West, Florida; Educational Seminar entitled, Treatment of keratitis, sponsored by Alcon Laboratories, Inc. July 31st-August 1, 1998.
- Visiting Consultant to the Department of Defense in the United Arab Emirates, August 20-29, 1998; performed numerous eye surgeries at the Zayed Military Hospital in Abu Dhabi.
- Caldwell DR. External disease update, Ohio Weekend Conference, Adam's Mark Columbus Hotel, Columbus, Ohio, sponsored by Alcon Laboratories, Inc., October 2-3, 1998.
- Caldwell DR. Ocular allergies, San Antonio Ophthalmic Society Meeting, San Antonio, TX, sponsored by Alcon Laboratories, Inc., January 19, 1999.
- Abrams J, Caldwell DR, Effect of topical Betadine in the treatment of pseudomonas corneal ulcers. Presented at the 1999 C.S. O'Brien Professorship, June 11, 1999.
- Berger C, Caldwell DR, Endophthalmitis after cataract extraction: Suture vs non-suture. Presented at the 1999 C.S. O'Brien Professorship, June 11, 1999.
- Djafari V, Caldwell DR, Cryoablative treatment of severe corneal ulcers. Presented at the 1999 C.S. O'Brien Professorship, June 11, 1999.
- Crawford R, Blake DA, Caldwell DR, FK-506 endothelial cell toxicity. Presented at the 1999 C.S. O'Brien Professorship, June 11, 1999.
- 34th Annual C.S. O'Brien Professorship and 21st Annual Tulane Eye Alumni Day, June 11-12, 1999, J. Bennett Johnston Bioenvironmental Research Building, New Orleans, LA, The first twenty years.
- Caldwell DR. Ocular allergies, Istanbul Ophthalmology Group, Istanbul, Turkey, June 22, 1999.
- Caldwell DR. Effective management of ocular allergies, American Academy of Otolaryngology, New Orleans, Louisiana, September 28, 1999, in conjunction with Alcon Laboratories, Inc.

- 35th Annual C.S. O'Brien Professorship and 22nd Annual Tulane Eye Alumni Day, June 10, 2000, J. Bennett Johnston Center for Bioenvironmental Research, New Orleans, Louisiana, Update on ocular allergies.
- Heeg MC, Caldwell DR, Can acanthamoeba be cultured in vivo using rabbits as a host? Presented at the 2001 C.S. O'Brien Professorship, June 8, 2001.
- Patel RN, Caldwell DR, Evaluation of the expulsive force necessary to cause extrusion of the Caldwell Keratoprosthesis. Presented at the 2001 C.S. O'Brien Professorship, June 8, 2001.
- Lee W, Blake DA, Caldwell DR, Evaluation of topical FK506. Presented at the 2001 C.S. O'Brien Professorship, June 8, 2001.
- Metzinger RC, Blake DA, Caldwell DR, Development of topical FK506. Presented at the 2001 C.S. O'Brien Professorship, June 8, 2001.
- 36th Annual C.S. O'Brien Professorship and 23rd Annual Tulane Eye Alumni Day, June 9, 2001, J. Bennett Johnston Bioenvironmental Research Building and the Wyndham New Orleans at Canal Place, New Orleans, Louisiana, Departmental update.
- Ghobrial JM, Caldwell DR, Kastl PR, Therapeutic options for severe fungal corneal ulcer: A case report. Presented at the 2002 C.S. O'Brien Professorship, June 7, 2002.
- 37th Annual C.S. O'Brien Professorship and 24th Annual Tulane Eye Alumni Day, June 8, 2002, J. Bennett Johnston Center for Bioenvironmental Research, New Orleans, Louisiana Corneal endothelial cell growth on amniotic membrane.
- Lee-Chee T, Caldwell DR, Deep lamellar endokeratoplasty (DLEK): A retrospective study. Presented at the 2003 C.S. O'Brien Professorship, June 13, 2003.
- Culotta T, Caldwell DR, Aqueous penetration of orally administered gatifloxacin in humans. Presented at the 2003 C.S. O'Brien Professorship, June 13, 2003.
- 38th Annual C.S. O'Brien Professorship and 25th Annual Tulane Eye Alumni Day, June 14, 2003, J. Bennett Johnston Center for Bioenvironmental Research, New Orleans, Louisiana, Deep Lamellar Penetrating Keratoplasty: The Tulane Procedure.
- Caldwell DR. Deep Lamellar Penetrating Keratoplasty: Tulane Procedure, Ophthalmology Update 2003, sponsored by The University of Mississippi, School of Medicine, Department of Ophthalmology, August 23, 2003.
- Sagett SG, Caldwell DR, Ayyala RS, Incidence of glaucoma following MAPPK: Preliminary results. Presented at the 2004 C.S. O'Brien Professorship, June 11, 2004.
- Ge QJ, Caldwell DR, Efficacy and tolerability of a triple-drug systemic immunosuppression regimen for keratolimbal allograft in end-stage ocular surface disease at 20 months' follow up. Presented at the 2004 C.S. O'Brien Professorship, June 11, 2004.
- Park JC, Caldwell DR, Corneal thickness and endothelial cell density changes after MAPPK. Presented at the 2004 C.S. O'Brien Professorship, June 11, 2004.

- 39th Annual C.S. O'Brien Professorship and the 26th Annual Tulane Eye Alumni Day, June 12, 2004, J. Bennett Johnston Bioenvironmental Research Building New Orleans, Louisiana
Experience with Microkeratome-assisted Penetrating Keratoplasty
- Caldwell, DR. Microkeratome Assisted Penetrating Keratoplasty, Update in the **Management** of External Diseases, Contemporary Management of Glaucoma. Presented at the IX Ophthalmology National Congress; San Salvador, El Salvador; July 15-17, 2004.
- Sagett SG, Caldwell DR, Ayyala RS, Incidence of glaucoma after microtome-assisted posterior penetrating Keratoplasty: 2-year results and anatomical analysis, Presented at the 2005 C.S. O'Brien Professorship, June 10, 2005.
- Fechter BS, Caldwell DR, Penetration of oral telithromycin into the aqueous humor, Presented at the 2005 C.S. O'Brien Professorship, June 10, 2005.
- Adams, Jr. SG, Caldwell DR, Outcomes in cataract surgery: A comparison of four Tulane surgeons, Presented at the 2005 C.S. O'Brien Professorship, June 10, 2005.
- 40th Annual C.S. O'Brien Professorship and the 27th Annual Tulane Eye Alumni Day, June 11, 2005, J. Bennett Johnston Bioenvironmental Research Building, Department Update.
- 41st Annual C.S. O'Brien Professorship and the 28th Annual Tulane Eye Alumni Day, June 10, 2006, The Wyndham New Orleans at Canal Place, DSAEK
- Patel SR, Caldwell DR, Multifocal IOLs: Visual acuity outcomes, quality of life measures with regard to various focal lengths (distance, intermediate, near vision), general satisfaction, etc., of patients undergoing cataract extraction with Restor IOL implant, Presented at the 2007 C.S. O'Brien Professorship, June 8, 2007.
- Okogbaa CB, Caldwell DR, Effects of topical tacrolimus drops on prevention of corneal allograft rejection in humans, Presented at the 2007 C.S. O'Brien Professorship, June 8, 2007.
- 42nd Annual C.S. O'Brien Professorship and the 29th Annual Tulane Eye Alumni Day, June 9, 2007, The Wyndham New Orleans at Canal Place, DSAEK - What works and what doesn't?
- Laursen JK, Caldwell DR, The use of fibrin sealant as a tissue adhesive in the DSAEK procedure using a rabbit model, Presented at the 2008 C.S. O'Brien Professorship, June 13, 2008.
- 43rd Annual C.S. O'Brien Professorship and the 30th Annual Tulane Eye Alumni Day, June 14, 2008, The Westin New Orleans, Cornea Update.
- Kirchner KR, Caldwell DR, Prospective study on surgical factors influencing DSAEK outcomes, Presented at the C.S. O'Brien Professorship, June 12, 2009.
- Gorovoy SE, Gorovoy MS, Caldwell DR, Surgical outcomes of Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK) in Patients with pre-existing glaucoma surgery. Presented at the 2009 C.S. O'Brien Professorship, June 12, 2009.
- 44th Annual C.S. O'Brien Professorship and 31st Annual Tulane Eye Alumni Day, June 12, 2009, The Westin New Orleans, Department Update.

- Resident Research Day and the Samuel B. Johnson Memorial Lecture Series, The University of Mississippi Medical Center, Jackson, MS; The Samuel B. Johnson Memorial Lecture IEK & DSAEK – What works and what doesn't, June 19, 2009.
- Gorovoy SE, Gorovoy MS, Caldwell DR, Ayyala RS, The influence of Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK) on prior glaucoma surgery – tube vs trab. Presented at the 2009 American Academy of Ophthalmology Meeting; San Francisco, CA, October 24-27, 2009.
- Gorovoy SE, Gorovoy MS, Caldwell DR, Ayyala RS, Surgical outcomes of Descemet's Stripping Endothelial Keratoplasty (DSEK) in Patients with Pre-existing Glaucoma Surgery. Presented at the 2010 C.S. O'Brien Professorship, June 10, 2010.
- Espandar L, Caldwell DR, Bunnell B, Adipose-derived stem cells on naturally derived scaffold as a new horizon in bioengineered cornea: A pre-clinical pilot project. Presented at the 2010 C.S. O'Brien Professorship, June 10, 2010.
- Laursen JK, Caldwell DR, Ocular effects of fibrin clot at 25% vs. 100% fill of the anterior chamber in rabbits. Presented at the C.S. O'Brien Professorship, June 11, 2010.
- Ho ST, Caldwell DR, Visual outcomes of monofocal lens vs. multifocal lens placement after cataract surgery. Presented at the C.S. O'Brien Professorship, June 10, 2011.
- Savetsky MJ, Caldwell DR, Ahmed Glaucoma Valve: A 10-year follow-up, Presented at the C.S. O'Brien Professorship, June 10, 2011.
- Irshad FA, Caldwell DR, Change in Schlemm's canal size, location, and angle morphology after penetrating Keratoplasty. Presented at the C.S. O'Brien Professorship, June 11, 2011.
- Espandar L, Caldwell DR, Applications of stem cells for bioengineered cornea, and cryotherapy to reduce posterior capsule opacification.
- 46th Annual C.S. O'Brien Professorship and 33rd Annual Tulane Eye Alumni Day, June 11, 2011, The Westin New Orleans, Best photos & interesting cases Anterior Segments tumors: From the past 45 years and counting.
- Ho S, Kastl PK, Caldwell DR. Visual outcomes and spectacle dependence: A comparison of multifocal intraocular lens, monofocal intraocular lens and monovision. American Society to Cataract and Refractive Surgery meeting, Chicago, IL, April 20-24, 2012.
- Mikulla BJ, Caldwell DR, The relationship between corneal curvature and the need to refloat grafts in DSAEK. Presented at the C.S. O'Brien Professorship, June 8, 2012.
- 47th Annual C.S. O'Brien Professorship and 34th Annual Tulane Eye Alumni Day, June 9, 2012, The Westin New Orleans, My experience with multifocal lenses.
- The National Medical Association, 2012 Annual Convention and Scientific Assembly, July 31, 2012, Ernest N. Morial Convention Center, New Orleans, Anterior Segments Tumors from the Past 45 Years.
- The American Association of Eye and Ear Centers of Excellence, 2013 Annual Meeting, November 18, 2013, Harrah's New Orleans Hotel, New Orleans, Driving the Research and Teaching Mission of a Specialty Institution with Less Margin from Clinical/Surgical Activity.

- Khan-Farooqi H, Caldwell DR, Isolation of corneal limbal stem cells from hair follicle stem cells for use in limbal stem cell deficiency. Presented at the C.S. O'Brien Professorship, June 13, 2014.
- Stackhouse JR, Caldwell DR, Review of the first year of Fertil Clinic. Presented at the C.S. O'Brien Professorship, June 13, 2014.
- Evaluation of Angle Anatomy Before and After Penetrating Keratoplasty. Presented at the 50th Annual C.S. O'Brien Professorship and 37th Annual Tulane Eye Alumni Day, June 12, 2015.
- Outcomes of Laser Assisted Keratoplasty. Presented at the 51th Annual C.S. O'Brien Professorship and 38th Annual Tulane Eye Alumni Day, June 10, 2016.
- Laser Assisted Corneal Transplants. Presented at the 51th Annual C.S. O'Brien Professorship and 38th Annual Tulane Eye Alumni Day, June 10, 2016.

CONTINUING MEDICAL EDUCATION

American Academy of Ophthalmology and Otolaryngology, Las Vegas, NV, September 20-24, 1971.

Baylor College of Medicine, Contact Lens Technology, Houston, TX, December 9-11, 1971 (21 hours).

American Academy of Ophthalmology and Otolaryngology, Dallas, TX, September 24-28, 1972.

New Orleans Academy of Ophthalmology, New Orleans, LA, February 11-16, 1973.

The David J. Kelman Research Foundation Course in Phacoemulsification, New York, NY, 1973.

American Academy of Ophthalmology and Otolaryngology, September 16-20, 1973.

New Orleans Academy of Ophthalmology, New Orleans, LA, February 22-26, 1975.

University of California, San Francisco, Seminar of Herpes Virus Infections, South Lake Tahoe, September 27, 1975.

New Orleans Academy of Ophthalmology, New Orleans, LA, March 6-10, 1976.

International Eye Foundation, Society of Eye Surgeons, Second World Congress on the Cornea, Washington, D.C., April 29-May 1, 1976 (18 hours).

Baylor College of Medicine, Baylor Ophthalmology Alumni Association, Houston, TX, May 14-15, 1976 (14 hours).

D.J. Kelman Research Foundation, American Academy of Ophthalmology and Otolaryngology, Las Vegas, Nevada, October 6, 1976.

The 70th Annual Scientific Assembly, Southern Medical Association, New Orleans, LA, November 8, 1976.

New Orleans Academy of Ophthalmology, New Orleans, LA, April 16-20, 1976.

The Association for Research in Vision and Ophthalmology, Reis-Bucklers' Corneal Dystrophy, Sarasota, FL, April 29, 1977.

Phacoemulsification course, Tulane Medical School, New Orleans, LA, Course Director, May 18-30, 1978.

American Academy of Ophthalmology, Bacterial conjunctival diseases, Kansas City, MO, October 23-24, 1978.

St. Vincent's Hospital, Annual Meeting, New York, NY, November 2, 1978.

Southern Medical Association, Atlanta, Georgia, November 12, 1978.

6th Biennial Welsh Cataract Surgical and IOL Congress. Baylor College of Medicine, Houston, TX, December 4, 1978.

Eye Symposium of American Glaucoma Symposium, February 9, 1979.

Intraocular Lens and Microsurgery of the Eye Seminar, Azar Foundation, New Orleans, LA, May 4, 1979.

A New Orleans Course for Anterior and Posterior Segment Vitrectomy, September 14-15, 1979.

American Academy of Ophthalmology, San Francisco, CA, November 4-9, 1979.

Contact Lens Association of Ophthalmology, Las Vegas, NV, January 10-13, 1980.

Association of University Professors of Ophthalmology, Palm Springs, CA, January 27-30, 1980.

New Orleans Academy of Ophthalmology Glaucoma Course, New Orleans, LA, March 22-26, 1980.

41st Annual Meeting of the LA-MS Ophthalmological and Otolaryngological Society, Biloxi, MS, April 11-12, 1980.

Baylor Alumni Meeting, Houston, TX, June 6-7, 1980.

Instituto Barraquer de America, Course on Refractive Keratoplasty, June 8-12, 1980.

Mt. Sinai Valve Implantation Course, New York, June 22, 1980.

Terry Keratometer Course, Azar Foundation, New Orleans, LA, September 14, 1980.

Radial Keratotomy Course, Daytona Beach, FL, November 15, 1980.

7th Biennial Welsh Cataract Surgical and IOL Congress, Baylor College of Medicine, Houston, TX, September 27-October 1, 1980.

Contact Lens Seminar, Indiana University, School of Medicine, December 6, 1980.

A New Orleans Vitrectomy Workshop, Tulane Medical School, New Orleans, LA, December 5-6, 1980.

A New Orleans, Vitrectomy Workshop, Tulane Medical School, New Orleans, LA, March 27-28, 1981.

The Annual Glaucoma Seminar, Wills Eye Hospital, Philadelphia, PA, May 29-30, 1981.

American Academy of Ophthalmology, Atlanta, GA, October 31-November 6, 1981.

New Orleans Academy of Ophthalmology, New Orleans, LA, March 6-10, 1982.

43rd Annual Meeting of the LA-MS Ophthalmological and Otolaryngological Society, Biloxi, MS, April 15-17, 1982.

CLAO, Contact Lens Association of Ophthalmologists, Las Vegas, NV, October 28-29, 1982.

American Academy of Ophthalmology/ International Congress of Ophthalmology, San Francisco, CA, October 30-November 5, 1982.

American Academy of Ophthalmology/ International Congress of Ophthalmology, Chicago, IL, October 30-November 3, 1983.

45th Annual Meeting of the LA-MS Ophthalmological and Otolaryngological Society, Biloxi, MS, April 12-14, 1984.

New Orleans Academy of Ophthalmology, New Orleans, LA, March 1-5, 1984.

American Academy of Ophthalmology, Atlanta, GA, November 11-16, 1984.

Third Faculty Update Meeting, Pharmacia, Sweden, August 16-23, 1985.

Sixth Laser Workshop, St. Louis, MO, August 24, 1985.

CILCO, Inc. Ophthalmic Seminar, Cataract Review, Sweden, August 30-September 1, 1985.

American Academy of Ophthalmology, San Francisco, California, September 29-October 3, 1985, Keratoplasties with Intraocular Lenses.

New Orleans Academy of Ophthalmology, 1986 Annual Symposium, Cornea, Refractive Surgery and Contact Lens, March 8-11, 1986, Hyatt Regency, New Orleans, LA.

Contact Lens Association of Ophthalmology, Las Vegas, NV, January 14-18, 1987.

Tulane-Ellender Contact Lens Course, April 24-25, 1987.

American Academy of Ophthalmology, Dallas, TX, November 8-12, 1987.

American Academy of Ophthalmology Southern Regional Update Course, Miami, FL, March 4-5, 1988, Keratoprosthesis, indications and management; and The management of corneal perforations.

American Academy of Ophthalmology, New Orleans, LA, October 29-November 2, 1989.

University Eye Clinic in Berlin to observe Dr. Seiler's technique in performing PRK on patients with the excimer laser (Sponsored by Summit Technology, Investigator Course), January 5-7, 1990.

New Orleans Academy of Ophthalmology (Moderator of Question and Answer Session) March 2-4, 1990, New Orleans Hilton.

New York Ophthalmological Society, New York, New York, March 12, 1990.

Tulane-Ellender Contact Lens Course, April 6-7, 1990, Royal Sonesta Hotel, New Orleans, LA.

Laser Refractive Surgery Synopsis, New York, New York, September 15, 1990.

American Academy of Ophthalmology, Anaheim, California, October 13-17, 1991.

Association of University Professors in Ophthalmology (AUPO), February 8-12, 1992, Biltmore Hotel, Phoenix, Arizona.

Law School for Doctors, Sheraton Hotel, Baton Rouge, LA January 31-February 1, 1992.

LA-MS Ophthalmological & Otolaryngological Society Meeting, River Park Hotel, Natchez, MS, May 22-24, 1992.

Guest Lecturer at the University of Mississippi Department of Ophthalmology Grand Rounds, A Soft Keratoprosthesis, April 16, 1992.

29th Annual Baylor Alumni Association Meeting, Houston, TX, June 4-6, 1992; Session 2: Cornea/Refractive Surgery; Panel: Delmar R. Caldwell, Louis J. Girard, John D. Gottsch, Kirk R. Wilhelmus.

Annual Clinical Congress of the American College of Surgeons, New Orleans, Louisiana, October 11-16, 1992.

Keratoprosthesis Study Group, Bascom Palmer Eye Institute, Miami, Florida, November 5-6, 1992.

American Academy of Ophthalmology, Dallas, TX, November 8-12, 1992:

- 1) Implantation of glaucoma drainage devices: Didactic, Richard Mills, Frederick Kapetansky, Donald Minckler, Richard Wilson, Theodore Krupin, George Baerveldt, and Ronald Fellman.
- 2) Laser applications in glaucoma - Transscleral cyclophotocoagulation laboratory, Paul Palmberg, Bruce Shields, Jorge Alvarado, Allan Kolker, Alan Robin, and Robert Ritch.
- 3) Pneumatic retinopexy: An outpatient retinal detachment operation without conjunctival incision, George Hilton, Paul Tornambe, W. Sanderson Grizzard, and Daniel Brinton.

Association of University Professors in Ophthalmology (AUPO), February 6-10, 1993, Naples, FL.

The Association for Research in Vision and Ophthalmology (ARVO) May 2-7, 1993, Sarasota, Florida.

Louisiana-Mississippi Ophthalmological & Otolaryngological Society Meeting, May 14-16, 1993, Holiday Inn Holidome, Lafayette, LA (1.3 credits)

American Academy of Ophthalmology, Chicago, IL, November 14-18, 1993: Automated perimetry - Didactic, Harry A. Quigley. Picosecond Nd:YLF lasers for intraocular ophthalmic surgery, Peter Hamilton. Laser applications in glaucoma - Theory and practice, Paul F. Palmberg. The management of rubeosis iridis and neovascular glaucoma, Kathleen A. Lamping.

University of Iowa Clinical Conference, February 4, 1994.

Louisiana-Mississippi Ophthalmological & Otolaryngological Society Meeting, April 22-24, 1994 (1.3 credits)

The Association for Research in Vision and Ophthalmology (ARVO), May 3-4, 1994, Sarasota, FL.

American Academy of Ophthalmology, San Francisco, CA, October 30-November 3, 1994: 1) Under pressure: Glaucoma 1994, 2) Ocular microbiology and immunology group, 3) American Society of Cataract and Refractive Surgery, 4) Castroviejo Cornea Society, 6) Poster: The effects of freezing the lens capsule following phacoemulsification - preventing capsule opacification

Caldwell DR. Allergic eye disease. Presented at: Washington Academy of Eye Physicians and Surgeons, monthly meeting; Seattle, WA; January 17, 1995. CME credits, 2 hours of Category I CME.

Association of University Professors of Ophthalmology (AUPO), February 16-19, 1995, New Orleans, LA.

1995 National Eye Conference, April 20-23, 1995; Sponsor: Columbia/HCA Ambulatory Surgery Div., 13 credits

Caldwell DR. Allergic conjunctivitis. Presented at: Cleveland Allergy Society: Allergy and immunology update for the practicing physician 1995; Cleveland, OH; April 29, 1995. CME credits, 6 hours of Category 1.

The Association for Research in Vision and Ophthalmology, May 14-19, 1995, Ft. Lauderdale, FL.

EyeTech 1995, June 1-4, 1995; sponsored by EyeCare Technology Magazine & Expo.

Second KPro Study Group Meeting, June 20-23, 1995, Rome, Italy.

Department of Ophthalmology Grand Rounds, July 1, 1994-June 30, 1995, Tulane Medical Center; 18 CME Hours; Category 1.

American Academy of Ophthalmology Annual Meeting, October 28-November 2, 1995, Atlanta, GA; Subspecialty Day, Oct. 28, 1995; 6 CME Hours; Category 1.

American Academy of Ophthalmology Annual Meeting, October 28-November 2, 1995, Atlanta, GA; 23.0 hours, Category 1 CME credits.

Universal Keratome Course, March 16, 1996, New Orleans, LA: Advanced refractive surgery. All phases of training: didactic, wet lab and live surgery observation.

Department of Ophthalmology Grand Rounds, July 1, 1995-June 30, 1996, Tulane Medical Center; 14 CME Hours; Category 1.

Tulane University Medical Center, Advanced Cardiac Life Support, 8/5/96 and 8/7/96, New Orleans, LA; sponsored by the American Heart Association; 12 hours, category 1 CME credits.

Tulane University Medical Center; International Society of Refractive Surgery 1996 Mid-Summer Symposium, 7/19-21/96, New Orleans, LA, 19.0 hours CME.

1996 Centennial Annual Meeting, American Academy of Ophthalmology, 10/27-31/96, Chicago, IL, 19.0 hours, Category 1 CME credits.

VISX PRK Certification Course, VISX Incorporated, Santa Clara, CA, 1/11/97, Baltimore, MD

Department of Ophthalmology Grand Rounds, July 1, 1996-June 30, 1997, Tulane Medical Center; 17 CME Hours; Category 1.

Department of Ophthalmology Grand Rounds, July 1, 1997-June 30, 1998, Tulane Medical Center; 21 CME Hours; Category 1.

American Academy of Ophthalmology, 10/26/29/97, San Francisco, CA, 23 hours, Category 1 CME credits.

The Association for Research in Vision and Ophthalmology (ARVO) May 10-15, 1998, Ft. Lauderdale, FL, Cytotoxicity of 5-fluorouracil (5-FU) and mitomycin C (MMC) in cell culture models of human corneal endothelium, Blake DA, Yu H, Deich MS, Caldwell DR; and Interactions of early passage human corneal endothelial (HCE) cells and virus-transduced HCE

cells with matrix molecules”, Coston TS, Yu H, Caldwell DR, Blake DA.

The American Ophthalmological Society Annual Meeting, May 17-20, 1998, The Homestead in Hot Springs, Virginia.

American Academy of Ophthalmology, November 8-11, 1998, New Orleans, Louisiana 28 hours, Category 1 CME credits.

Department of Ophthalmology Grand Rounds, July 1, 1998-June 30, 1999, Tulane Medical Center; 31.5 CME Hours; Category 1.

Ophthalmology and Visual Sciences in the 21st Century, an international symposium commemorating the dedication of the Cleveland Clinic's Cole Eye Institute, September 17-18, 1999, The Ritz-Carlton.

The American Ophthalmological Society 136th Annual Meeting, May 21-24, 2000, Inn at Spanish Bay, Pebble Beach, CA; 8 CME Hours, Category 1.

Department of Ophthalmology Grand Rounds, July 1, 1999-June 30, 2000, Tulane Medical Center; 30 CME Hours; Category 1.

XXIII Pan-American Congress of Ophthalmology, July 22-25, 2001 Buenos Aires, Argentina Associate Instructor, Refractive surgery: Basic to advanced.

American Academy of Ophthalmology Annual Meeting, October 11-14, 2001, Morial Convention Center, New Orleans, LA 33 CME Hours, Category 1

American Academy of Ophthalmology Annual Meeting, November 20-23, 2002, Orlando Convention Center, Orlando, FL

HIPPA Privacy Overview Training, Tulane University Medical Group, February 10, 2003

Department of Ophthalmology Grand Rounds, July 1, 2002-June 30, 2003, Tulane Medical Center; 44 CME Hours; Category 1.

The American Ophthalmological Society 140th Annual Meeting, May 23-26, 2004, The Homestead, Hot Springs, VA; 8.5 CME Hours, Category 1

Apodized Diffractive Lens Symposium, The Dulaney Foundation, Dallas Texas, August 13, 2005. 4 CME Hours, Category 1

DSAEK Course (Live Surgery & Wet Lab) Gorovoy, MD Eye Specialists, August 19, 2005 Fort Meyers, Florida

American Academy of Ophthalmology, Annual Meeting, Chicago, IL, October 15-18, 2005, 31 CME Hours; Subspecialty Day; Changing Concepts and Controversies, 14 CME Hours

41st Annual C.S. O'Brien Professorship and the 28th Annual Tulane Eye Alumni Day, June 9-10, 2006, The Wyndham New Orleans at Canal Place, DSAEK

American Academy of Ophthalmology, Annual Meeting, Las Vegas, NV, Nov.11-14, 2006, 30 CME Hours, Subspecialty Day, Refractive Surgery 2006 The times are changing, 14 CME Hours

American Academy of Ophthalmology, Annual Meeting, New Orleans, LA, November 10-13, 2007, 14 CME Hours; Subspecialty Day; Cornea 2007: Contemporary and Future Issues Changing Concepts and Controversies, 14 CME Hours

New Orleans Academy of Ophthalmology, 57th Annual Symposium, February 15-17, 2008,

ASCRS "ASOA Symposium & Congress, April 4-9, 2008, Chicago, IL 6 CME hours

Department of Ophthalmology Grand Rounds, July 1, 2007 - June 30, 2008, Tulane Medical Center; 45 CME Hours; Category 1.

American Academy of Ophthalmology, Annual Meeting, Atlanta, GA, LA, November 8-11, 2008, CME Hours; Subspecialty Day; Cornea 2008: Emerging Trends: Evolution or Revolution?

VISX Excimer Laser System Physician Training Course for PRK, LASIK, CustomVue, Tulane University School of Medicine, March 5-7, 2009 by Advanced Medical Optics

Resident Research Day and the Samuel B. Johnson Memorial Lecture Series, The University of Mississippi Medical Center, Jackson, MS; The Samuel B. Johnson Memorial Lecture IEK & DSAEK – What works and what Doesn't, June 19, 2009; 4.0 Hrs of Category 1 credits

Department of Ophthalmology Grand Rounds, July 1, 2008 - June 30, 2009, Tulane Medical Center; 54 CME Hours; Category 1.

American Academy of Ophthalmology, Annual Meeting, San Francisco, CA, October 24-27, 2009; 18 CME Hours; Subspecialty Day; Refractive Surgery 2009: It's time to change; 20 CME Hours

Department of Ophthalmology Grand Rounds, July 1, 2009 - June 30, 2010, Tulane Medical Center; 64 CME Hours; Category 1.

American Academy of Ophthalmology, Annual Meeting, San Francisco, CA, October 15-19, 2010; Subspecialty Day; Refractive Surgery 2010: Seeing is Believing: Vision 2010; 14 CME Hours

Department of Ophthalmology Grand Rounds, July 1, 2010 - June 30, 2011, Tulane Medical Center; 45 CME Hours; Category 1.

American Academy of Ophthalmology, Annual Meeting, Chicago, IL, October 15-19, 2010; 2010 Joint Meeting Credits; 7 CME Hours

American Academy of Ophthalmology, Annual Meeting, Orlando, FL, October 21-25, 2011; Subspecialty Day; Refractive Surgery 2011: Precision in Vision: The latest in Cornea- and Lens-Based Refractive Surgery; 14 CME Hours

American Academy of Ophthalmology, Annual Meeting, Orlando, FL, October 21-25, 2011;
Annual Meeting Credits; 6 CME Hours

Department of Ophthalmology Grand Rounds, July 1, 2011 - June 30, 2012, Tulane University
Health Sciences Center; 44 CME Hours; Category 1.

Department of Ophthalmology Grand Rounds, July 1, 2012 - June 30, 2013, Tulane University
Health Sciences Center; 52 CME Hours; Category 1.

ChartLink™ CPOE Training, June 4, 2013, University of Alabama School of Medicine, UAB, 2
hours, Category 1.

Department of Ophthalmology Grand Rounds, July 1, 2013 - June 30, 2014, Tulane University
Health Sciences Center; 52 CME Hours; Category 1

Department of Ophthalmology Grand Rounds, July 1, 2014 - June 30, 2015, Tulane University
Health Sciences Center; 48 CME Hours; Category 1

American Academy of Ophthalmology, Annual Meeting, Las Vegas, NV, November 13-17,
2015; Annual Meeting Credits; 6 CME Hours

Department of Ophthalmology Grand Rounds, July 1, 2015 - June 30, 2016, Tulane University
Health Sciences Center; 52 CME Hours; Category 1

GRANTS AWARDED

1. Trifluorothymidine (Viroptic). Burroughs Wellcome & Co.; \$18,000; 1975.
2. Trimethoprim-sulfacetamide polymyxin B (TSP) ophthalmic solution vs. trimethoprim - polymyxin B (TP) ophthalmic solution: A comparative study in the treatment of surface ocular bacterial infections; \$30,000; 1978-79.
3. Stella Butler Research Fund, Unrestricted grant for eye research; \$320,000; 1978 to present (ongoing).
4. BSS Grant (Alcon). Diamond and Caldwell; \$2,100; 1979.
5. Ceiling-mounted operating microscope, Tulane Medical Auxiliary; \$45,000; 1979.
6. Betadine eye prep study, Purdue-Frederick and Co.; \$2,000; 1979.
7. obramycin ophthalmic ointment vs. garamycin. Alcon; \$3,180; 1979.
8. Caldwell DR, Kastl PR. Evaluation of dura as biological interface material, Genetics Labs; \$1,000; 1979.
9. Autorefractor, Tulane Medical Auxiliary; \$15,000; 1980.

10. Cavitron-automated, tonometric, and perimetric Instrumentation; \$17,000;1980.
11. 4% Cromolyn sodium ophthalmic solution - A study to test the efficacy and safety of treatment in vernal keratoconjunctivitis; \$3,335;1980-82.
12. Continued assessment of 4% cromolyn sodium ophthalmic solution - A study to test the efficacy and safety of treatment in vernal keratoconjunctivitis; \$3,335;1982-83.
13. Caldwell DR, Salisbury C. Prevention of posterior capsule opacification following phacoemulsification. BSG Grant; \$3,000;1980-81.
14. Caldwell DR, Kastl PR, Dabezies OH. 1% Mercuric oxide ointment (Stye) study; \$13,000;1980-82.
15. Cohen , Kastl PR, Caldwell DR. Diabetic cataract: Prevention by photoaffinity Drugs. NEI Grant; \$115,000;April 1980-83 (3 years).
16. Betaxolol ophthalmic solution vs placebo; \$10,235;1981-82.
17. taxolol ophthalmic solution vs timolol ophthalmic solution; \$27,320;1981-.
18. A double-masked comparison of betaxolol and timolol - Long-term continuation; \$13,000;1981-.
19. Insler MS, Lopez J, Caldwell DR. Clinical evaluation of transplanted human corneal endothelium, #1R01 EY 05791-01A1; funding \$350,000;March 1, 1987-February 28, 1990.
20. Clinical investigation of the IOGEL intraocular lens. Alcon Laboratories, Inc.; December 1986.
21. Caldwell, Delmar R.; Insler, Michael S.; Karcioğlu ZA. Clinical investigation for cataract operation and/or implantation of intraocular lens (The ALCON IOL). Fort Worth (TX): Alcon Laboratories, Inc., Surgical Products Division, IOL Facility; 1987 Feb.
22. Comparison of betaxolol 0.25% suspension and betaxolol 0.5% ophthalmic solution (Betoptic) C-86-70; February 1987.
23. Clinical investigation of ORC aspheric intraocular lenses, Optical Radiation Corp; March 1987.
24. Intraoptics IOL study; June 1987.
25. Collection of ocular specimens from patients having inflamed or infected lids conjunctivae or corneas (Protocol #86-37 and C-86-44), Alcon Laboratories, Inc.; August 1987.
26. Betaxolol suspension 0.25% maintenance therapy (C-86-64). Alcon Laboratories, Inc.; August 1987.
27. A multicenter randomized double-masked placebo-controlled study to evaluate the safety and efficacy of fibronectin ophthalmic solution in nonhealing corneal defects (Chiron

Ophthalmics Protocol 87-02); October 1987.

28. Long-term multiclinic study of fixed combination of timolol 0.5% - pilocarpine 2% or 4% (TP2 or TP4) in patients with open-angle glaucoma or elevated IOP (Merck Sharp and Dohme); December 1987.
29. The efficacy of suprofen compared to 0.03% flurbiprofen sodium (Ocufen) when instilled preoperatively to inhibit the miosis induced during cataract surgery. (ALCON Protocol #C-87-16); January 1988.
30. A preliminary investigation on the Alcon diagnostic kit for detecting HSV obtained from ocular infections - Study II (Protocol C-87-85), ALCON; February 1988.
31. A multiclinic evaluation of the efficacy and safety of ciprofloxacin ophthalmic solution vs Tobrex - Study I (Alcon C-87-04); March 1988.
32. A preliminary investigation of the Alcon diagnostic kit for detecting ADV obtained from ocular infections - Study I (Protocol #C-87-81); March 1988.
33. Efficacy and safety of nedocromil sodium 2% ophthalmic solution in the treatment of GPC (Fisons Corp.); July 1988.
34. The efficacy and safety of apraclonidine following extracapsular cataract surgery (Alcon Protocol #C-88-35); July 1988.
35. A single-dose, double-masked, placebo-controlled, four-period six-treatment comparison study of the IOP lowering activity of Timolol-GELRITE, Timolol ophthalmic solution and placebo in patients with ocular hypertension (MSD); August 1988.
36. The effect of calcium channel blocker, verapamil, on IOP in humans; Dupont Pharmaceuticals; October 1988
37. 0.25% Betaxolol suspension Betoptic 0.5% betaxolol ophthalmic solution double-masked three-month comparison. (Alcon Laboratories, C-88-82); November 1988.
38. A prospective controlled double-masked, multicenter study evaluating the safety and efficacy of norfloxacin ophthalmic solution vs placebo in the treatment of patients with acute uncomplicated nongonococcal bacterial conjunctivitis. (Merck Sharp and Dohme); November 1988.
39. A multicenter randomized double-masked placebo-controlled study to evaluate the safety and efficacy of fibronectin ophthalmic solution in patients with keratoconjunctivitis sicca. (Chiron Ophthalmics); February 1989.
40. Efficacy and safety of lodoxamide ophthalmic solution 0.1% vs placebo in giant papillary conjunctivitis (GPC), (Protocol #C-88-81). Alcon Labs, Inc.; March 1989.
41. A multicenter, randomized, parallel group double masked placebo-controlled study to determine the effect of daily administration of MK-538 on the progression of background retinopathy in diabetic patients (Merck Sharp and Dohme); March 1989.

42. Long-term safety and efficacy evaluation of 0.25% betaxolol ophthalmic suspension. (Alcon C-89-02); April 1989.
43. Neonatal corneal tissue study; May 1989.
44. Ocular cell transplantation; July 1989.
45. ExiMed UV-200 photorefractive keratectomy clinical study - Phase I. (Summit Technology); September 1989.
46. A clinical evaluation of the efficacy and safety of ciprofloxacin ophthalmic solution in treating bacterial corneal ulcers. (Alcon C-88-88); October 1989.
47. A study to evaluate the ocular analgesic effects of topical flurbiprofen for the treatment of corneal injuries. (Allergan FLUR-159-5827); January 1990.
48. A multidose, double-masked dose response parallel study of timolol gelrite timoptic and placebo in patients with ocular hypertension. (Merck Sharp and Dohme); January 1990.
49. Investigational plan for the clinical investigation of intraocular lenses in children. (Optical Radiation Corp.); January 1990.
50. Comparison of the efficacy and tolerability of timolol and levobunolol in patients with increased intraocular pressure and at sufficient risk to acquire therapy. (Merck Sharp and Dohme); March 1990.
51. Investigational plan for intraocular lens implantation in pediatric patients; (IOL Corporation); March 1990.
52. A clinical study of the BioLens in epikeratophakia (CryoOptics, Inc.); April 1990.
53. An open, pilot study to evaluate the efficacy of the auto-instill device for volunteer patients to self-administer drops into the eyes. (O.P.T.I.C. Co.); July 1990
54. Caldwell DR. Efficacy and safety evaluation of AL02613 ophthalmic solution versus Opticrom ophthalmic solution in vernal keratoconjunctivitis. Fort Worth (TX): Alcon Laboratories, Inc. July 1990. Protocol C-90-10.
55. Clinical investigation of the plasma fluorocarbon coated (PFC) intraocular lens model AR50BZ (Alcon Laboratories, Inc.); August 1990.
56. A multiple dose, double-masked parallel active treatment controlled multiclinic study of timolol in gelrite and timoptic in patients with elevated IOL (MSD); November 1990.
57. Efficacy and safety evaluation of Iodoxamide ophthalmic solution vs Opticrom 4% ophthalmic solution in patients with vernal keratoconjunctivitis. (Alcon C-85-59 and C-85-69); November 1990.
58. Comparison of anterior and posterior chamber lens implants after vitreous loss in attempted extracapsular cataract extraction; December 1990.

59. A clinical study evaluating the ocular safety and efficacy of 0.3% ofloxacin solution in the treatment of acute bacterial corneal ulcers. (Allergan QUIN-110-7651); January 1991.
60. Investigational plan to compare the performance of the Bausch & Lomb CM1 contact lens to the Optima FW contact lens when used for extended wear. (Bausch & Lomb Protocol #122); June 1991.
61. A double-masked pilot study comparing ciprofloxacin and tetracycline ophthalmic ointments for treating conjunctivitis caused by Chlamydia trachomatis (Alcon C-91-28); July 1991.
62. A six-week placebo-controlled, timolol-controlled efficacy study of 0.7% MK-507 ophthalmic solution with a 52-week open-label extension. (Merck Sharp & Dohme Protocol #MK-507-031-00); July 1991.
63. Caldwell, DR. Efficacy and safety evaluation of Iodoxamide 0.1% ophthalmic solution vs placebo in vernal keratoconjunctivitis (VKC). Fort Worth (TX): Alcon Laboratories, Inc.; July 1991. Protocol C-91-44.
64. Caldwell DR. Compassionate use of Iodoxamide 0.1% ophthalmic solution (ALOMIDE) in patients with vernal keratoconjunctivitis (VKC). Fort Worth (TX): Alcon Laboratories, Inc.; 1991 Sept. Protocol C-91-51.
65. Long-term safety evaluation of BID 2% pilocarpine ophthalmic gel used adjunctively with Timoptic to reduce intraocular pressure. (Alcon C-91-59); December 1991.
66. Efficacy and safety of ciprofloxacin ophthalmic solution vs Tobrex ophthalmic solution for treating bacterial conjunctivitis in children. (Alcon Protocol #C-91-74); December 1991.
67. An open-label evaluation to determine the safety of diclofenac sodium 0.1% ophthalmic solution in the treatment of black patients following cataract extraction with implantation of a posterior IOL. (CibaVision Protocol #C-01-92-001); May 1992.
68. Double-masked comparison of ciprofloxacin to fortified tobramycin/cefazolin for treating bacterial corneal ulcers. (Alcon Protocol C-92-01); July 1992.
69. Adjunctive therapy with galardin matrix metalloproteinase inhibitor (Galardin MPI) ophthalmic solution in patients with corneal ulcers caused by infection. (Glycomed, Inc. Protocol #6001-CLP-02); October 1992.
70. Adjunctive therapy with galardin matrix metalloproteinase inhibitor (Galardin MPI) ophthalmic solution in patients with corneal ulcers caused by rheumatoid arthritis. (Glycomed, Inc. Protocol #6001-CLP-04); October 1992.
71. Efficacy and safety evaluation of loteprednol etabonate in giant papillary conjunctivitis. (Pharmos Corporation Protocol #P-5604:107); December 1992.
72. Two-year open-label study of 2.0% MK-507 t.i.d. in patients with glaucoma or ocular hypertension. (Merck Sharp & Dohme Protocol #MK-507-045-00); March 1993.

73. Caldwell DR. Human endothelial cell transplantation. EENT Foundation. \$198,436; January 1994.
74. Caldwell DR. Comparison of diclofenac sodium 0.1% to voltaren 0.1% and to placebo in control of post-cataract surgical inflammation. Fort Worth (TX): Alcon Laboratories, Inc. Protocol C-95-07.
75. Caldwell, DR. A three-month multicenter, triple-masked, placebo-controlled study of the efficacy and safety of bid dosed ALO4862 1% ophthalmic suspension in the treatment of patients with primary open-angle glaucoma or ocular hypertension maintained on timolol therapy. Fort Worth (TX): Alcon Laboratories, Inc. Protocol C-94-22.
76. Caldwell DR. Intraocular pressure raising potential of 0.25% rimexolone in high steroid responses. Fort Worth (TX): Alcon Laboratories, Inc. Protocol C-93-74.
77. Caldwell DR. Study of olopatadine 0.1% ophthalmic solution compared to placebo for prophylactic treatment of vernal keratoconjunctivitis (VKC). Fort Worth (TX): Alcon Laboratories, Inc.; June 1996. Protocol C-96-46.
78. Caldwell DR. Comparison of the safety and efficacy of Lotemax™ and prednisolone acetate in acute anterior uveitis. Alachua (FL): Pharmos; 1996 May. Protocol 126.
79. Caldwell DR. A phase I/II study of 4197X-RA administered unilaterally in patients undergoing extracapsular extraction with phacoemulsification for cataract. The Woodlands (TX): Houston Biotechnology, Inc.; June 1994. Protocol CL-SEC004.1.
80. Caldwell DR. Efficacy and safety of AL04943A 0.1% ophthalmic solution versus placebo in patients with vernal keratoconjunctivitis (VKC). Fort Worth (TX): Alcon Laboratories, Inc.; January 1995. Protocol C-94-75.
81. Caldwell DR. A dose-ranging study evaluating the safety, tolerability, and efficacy of cyclosporine (0.05, 0.1, 0.2, 0.4%) and vehicle ophthalmic emulsions in the treatment of moderate to severe keratoconjunctivitis sicca. Irvine (CA): Allergan; February 1995. Protocol 192371-001-00.
82. Caldwell DR. Comparison of loteprednol etabonate 0.5% ophthalmic suspension and placebo in the treatment of inflammation following cataract surgery with intraocular lens implantation. McLean (VA): Intherea LP™; April 1996. Protocol 127.
83. Caldwell DR. A twelve-month, multi-center, open-label, parallel study of the efficacy and safety of BID and TID dosed AL-4862 1.0% ophthalmic suspension compared to BID dosed timolol 0.5% in the treatment of patients with primary open-angle glaucoma or ocular hypertension. Fort Worth (TX): Alcon Laboratories, Inc.; September 1995. Protocol C-95-47.
84. Caldwell DR. Safety and efficacy of cidofovir topical ophthalmic solution in the treatment of unilateral epithelial keratitis due to HSV-- Comparative study between cidofovir (0.3% and 0.5%) vs viroptic 1%.

85. Caldwell DR. Safety and IOP-lowering efficacy of two concentrations of AL6221 ophthalmic solution (0.0015% and 0.004%) compared to timolol 0.5% and latanoprost 0.005% in patients with open-angle glaucoma or ocular hypertension.
86. Caldwell DR. Angiostatic efficacy of AL-3789 (2%, 1%, 0.1%) ophthalmic suspension in a placebo-controlled study of patients who have undergone surgical excision of recurrent pterygium. (Alcon Laboratories, Inc. Protocol #C-97-53)
87. Caldwell DR. Safety and angiostatic efficacy of AL-3789 (2%) ophthalmic suspension vs placebo in patients with primary pterygium when dosed topically TID for one year. (Alcon Laboratories, Inc. Protocol #C-97-57)
88. Caldwell DR. A six-month, multicenter, triple-masked, placebo-controlled adjunctive therapy study of the safety and efficacy of AL-6221 0.0015% and AL-6221 0.004% ophthalmic solution in patients with open-angle glaucoma or ocular hypertension maintained on timoptic 0.5% (F0074). (Alcon Laboratories, Inc. Protocol #C-97-73)
89. Caldwell DR. An Evaluation of the Anti-Inflammatory Efficacy of a modified formulation of Rimexelone 1.0% Ophthalmic Suspension compared to VEXOL 1.0% Ophthalmic Suspension in post-cataract surgery patients. (Alcon Laboratories, Inc. Protocol C-98-41)
90. Caldwell DR. A Comparison of CIPRODEX (Ciprofloxacin 0.3%, Dexamethasone 0.1% Suspension, CILOXAN (Ciprofloxacin 0.3%) Solution and MAXIDEX Suspension (Dexamethasone 0.1%) for Treatment of Bacterial Blepharitis (Alcon Laboratories, Inc. Protocol # C-99-93)
91. Caldwell DR. A Six-week Randomized, Double-Masked, Primary Therapy Study to Compare IOP-Lowering Efficacy of Travatan™ 0.004% and Xalatan 0.005% in African-American Patients with Open Angle Glaucoma or Ocular Hypertension (Alcon Laboratories, Inc. Protocol # C-00-55)
92. Caldwell DR. An evaluation of the safety and efficacy of moxifloxacin ophthalmic solution 0.5% versus non-preserved vehicle in the treatment of bacterial conjunctivitis. (Alcon Laboratories, Inc. Protocol # C-00-55) September 2001.
93. Caldwell DR. A four-week, randomized, double-masked, parallel group, primary therapy study of the IOP-lowering efficacy of Travatan™ 0.004% compared to Lumigan™ 0.03% in African-American subjects with open-angle glaucoma or ocular hypertension. (Alcon Laboratories, Inc. Protocol # C-01-26) August 2001.
94. Caldwell DR. A four-week, randomized, double-masked, parallel group, primary therapy study of the IOP-lowering efficacy of Travatan™ 0.004% compared to Lumigan™ 0.03% in non African-American subjects with open-angle glaucoma or ocular hypertension. (Alcon Laboratories, Inc. Protocol # C-01-50). August 2001.
95. Caldwell DR. A Three-Month, Multicenter, Double-Masked, Study of the Safety and Efficacy of Travoprost 0.004%/Timolol 0.5% Ophthalmic Solution Compared to TRAVATAN® and Timolol 0.5% in Subjects with Open-Angle Glaucoma or Ocular Hypertension. Protocol C-01-69. Alcon Research Ltd. February 2003.

96. Caldwell DR. A Three-Month, Multicenter, Double-Masked, Study of the Safety and Efficacy of Travoprost 0.004%/Timolol 0.5% Ophthalmic Solution Compared to TRAVATAN® and Timolol 0.5% Dosed Concomitantly in Subjects with Open-Angle Glaucoma or Ocular Hypertension. Protocol C-01-70. Alcon Research Ltd. November 2002.
97. Caldwell DR. A Three-Month, Randomized, Double-Masked, Parallel Group, Primary Therapy Study, with a Planned Nine-Month Extension, of the Safety and IOP-Lowering Efficacy of Brimonidine Tartrate Ophthalmic Solution, 0.15% Compared to ALPHAGAN®P, 0.15% in Patients with Open-Angle Glaucoma or Ocular Hypertension. Protocol C-02-49. Alcon Research Ltd. February 2003.
98. Caldwell, DR. A Randomized, Multicenter, Double-masked, Parallel Study on the Efficacy and Safety of Topical Bromfenac Ophthalmic Solution, 0.1% vs. Placebo for Treatment of Ocular Inflammation following Cataract Surgery. ISTA Pharmaceuticals, Inc. Protocol CS-001. July 2003.
99. Caldwell, DR. A Study to Evaluate the Clinical & Microbial Efficacy of 0.6% ISV-403 Compared to Vehicle in the Treatment of Bacterial Conjunctivitis. Bausch & Lomb, Inc. Protocol #373. January 2005.
100. Caldwell, DR. Post-Katrina Grant (\$150,000) from Allergan, Inc. January 2006.
101. Caldwell, DR. Post-Katrina Grant (\$100,000) from The Alcon Foundation. January 2006.
102. Caldwell, DR. Post-Katrina Grant (\$50,000) from Merch & Company, Inc. June 2006
103. Caldwell, DR. Post-Katrina Grant (\$1,000) from Optonol, Inc. December 2006
104. Caldwell, DR Unrestricted Educational Grant (\$7370) from Allergan, Inc. June 2007.
105. Caldwell, DR. Unrestricted grant (\$60,000) from Ted Chau-Po Wei, M.D. November 2007.
106. Caldwell, DR. 3-Year Anterior Segment & Retina Fellowship Program (\$135,000 pledge to be paid \$45,000 annually) from The Alcon Foundation
107. Caldwell, DR. The Use of Fibrin Sealant as a Tissue Adhesive in the DSAEK Procedure Using a Rabbit Model. Protocol 4035-D. November 2007
108. Caldwell, DR. The Efficacy and Safety of Bimatoprost SR in Patients With Open-angle Glaucoma or Ocular Hypertension. Allergan, Inc. Protocol # 192024-091. August 2016
109. Caldwell, DR. A Prospective, Multi-Center, Randomized, Double-Masked, Positive-Controlled Phase 3 Clinical Trial Designed to Evaluate the Safety and Efficacy of Iontophoretic Dexamethasone Phosphate Ophthalmic Solution Compared to Prednisolone Acetate Ophthalmic Suspension (1%) In Patients With Non-Infectious Anterior Segment Uveitis, Eyegate Pharmaceuticals, Inc. Protocol 437-006. February 2017