

Robert C. Arffa, M.D.

ROBERT CRAIG ARFFA, M.D.

Birthdate:

Birthplace:

Citizenship:

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EDUCATION

- 1971-1975 Cornell University (B.A.)
Ithaca, New York
Majors: Biology & Psychology
- 1975-1979 University of Connecticut (M.D.)
Farmington, Connecticut

ADVANCED TRAINING AND EMPLOYMENT

- 1979-1980 Internship in Internal Medicine
St. Elizabeth's Hospital, Boston, MA
- 1980-1981 Pre-residency Fellowship in Ophthalmology
Beth Israel Hospital, Boston, MA
- 1981-1984 Residency in Ophthalmology
Indiana University, Indianapolis, IN
- 1984-1986 Fellowship in Cornea and External Disease
Louisiana State University Medical Center
New Orleans, LA

Robert C. Arffa, M.D.

APPOINTMENTS & POSITIONS

| | |
|-------------------|---|
| 1986-1990 | Assistant Professor Department of Ophthalmology University of Pittsburgh School of Medicine |
| 1986-1990 | Director, Contact Lens Service The Eye & Ear Institute Pittsburgh, PA |
| 1989-1990 | Residency Director Department of Ophthalmology University of Pittsburgh School of Medicine |
| 1991-2001 | Director, Cornea Service Allegheny Ophthalmic & Orbital Associates, P.C. Pittsburgh, PA |
| 1991-present | Adjunct Associate Professor of Ophthalmology The Medical College of Pennsylvania |
| 1991-present | Clinical Assistant Professor of Ophthalmology University of Pittsburgh School of Medicine |
| 1993-1997 | Medical Director Medical Eye Bank of Western PA |
| 1997 - present | Medical Director for Eyes, C.O.R.E. (Center for Organ Recovery And Education) |
| 1996-1998 | Medical Director, AllSight Laser Center |
| 1999-present | Medical Director, TLC Pittsburgh, PA |
| 2001-11/2004 | Chief, Ophthalmic Specialists-UPMC |
| 11/2004 – present | Chief, Robert C. Arffa MD, LLC |

CERTIFICATION AND LICENSURE

| | |
|---------------|------------|
| Indiana | MD-31017 |
| Louisiana | MD-6402R |
| Massachusetts | MD-45991 |
| Pennsylvania | MD-036489E |
| West Virginia | MD-18848 |

Diplomate of the American Board of Ophthalmology - 1986

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HOSPITAL PRIVILEGES

Allegheny General Hospital-1991 to 5/31/2003
 Montefiore Hospital
 North Hills Passavant Hospital
 Ohio Valley Hospital-(inactive)
 St. Francis Hospital-(inactive)
 St. Margaret Memorial Hospital-(inactive)
 South Side Hospital-(inactive)
 UPMC-South Surgery Center
 UPMC-Monroeville Surgery Center

PROFESSIONAL AND SCIENTIFIC SOCIETY MEMBERSHIPS

| | |
|-------------------------|---|
| 1983-1991 | American Uveitis Society |
| 1983-1991 | Contact Lens Association of Ophthalmologists |
| 1985-1991; 1999-present | International Society of Refractive Surgery |
| 1988 | Geriatrics Initiative Task Force University of Pittsburgh School of Medicine |
| 1983-present | American Academy of Ophthalmology |
| 1984-present | Ocular Microbiology and Immunology Group |
| 1986-present | Pittsburgh Ophthalmology Society |
| 1986-1997 | Medical Policy Committee Medical Eye Bank of Western Pennsylvania |
| 1987-1999 | Board of Directors Medical Eye Bank of Western Pennsylvania |
| 1987-present | Castroviejo Society |
| 1992-1993 | Infection Control Committee Allegheny General Hospital |
| 1988-present | Eye Bank Association of America Paton Society |
| 1998-PRESENT | American Society of Cataract and Refractive Surgery |

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HONORS AND AWARDS

| | |
|-----------------------------|---|
| 1974 | Phi Beta Kappa Cornell University |
| 1975 | Cum laude in Psychology Distinction in all subjects Cornell University |
| 1984 | National Children's Eye Care Foundation Grant to study epikeratophakia for correction of aphakia in infants |
| 1987 | Pennsylvania Lions Grant for epikeratophakia research project |
| 1992 | Honor Award, American Academy of Ophthalmology |
| 1997 | Western Pennsylvania Eye Bank Grant to study endothelial transplantation in rabbits |
| 1998, 2006, 2009 | Top Doctors |
| 2000 | Deutsche Ophthalmologische Chirurgen, Norimberga 1 ^o Prize Videofestival XIV DOC Congress |
| 2000 & 2001 | Grant from the Medical Eye Bank Foundation of Western PA to study endokeratoplasty, a new technique of endothelial transplantation |
| 2001 | Deutsche Ophthalmologische Chirurgen, Norimberga, 2001 |
| 2002 | "Best of Show" Video Award American Academy of Ophthalmology, New Orleans "Deep Suturing Techniques for Penetrating Keratoplasty" |
| 1997, 1999, 2001, 2003 2006 | Best Doctors In America |
| 2003 | Senior Achievement Award, American Academy of Ophthalmology |
| 2003 | "Best of Show" Video Award American Academy of Ophthalmology, Anaheim, CA "Penetrating Relaxing Incisions for the Correction of Extreme Postkeratoplasty Astigmatism" |

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PRESENTATIONS

1. Arffa R., Schlaegel T.: Incidence of Retinal Lesion in Patients with Fuchs' Heterochromic Iridocyclitis. American Uveitis Society, 1983.
2. Zauel D., Ransburg R., Greist M., Arffa R., Julian K.: Leukocytoclastic Vasculitis Associated With Bilateral Central Field Loss: Improvement on Corticosteroid and Mercaptopurine. Fifth International Visual Field Symposium, Boston, 1983.
3. Avni I., Arffa R., Robin J.: Lectin Identification of Bacterial and Mycotic Organisms, Ocular Microbiology and Immunology Group, 1984 (Abstract).
4. Robin J., Rao N., Centifanto-Fitzgerald Y., Arffa R., Avni I.: The Use of Lectins in Ophthalmic Infections. Pan American Congress of Ophthalmology, 1985 (Abstract).
5. Arffa R. (Instructor): American Medical Optics Course in Epikeratophakia Procedures. Irvine, California, August 2-3, 1985.
6. Arffa R., Avni I., Ishibashi Y., Kaufman H.: Calcofluor and Parker-ink KOH Preparations for Fundi. Ocular Microbiology and Immunology Group, 1985.
7. Arffa R. (Instructor): American Intraocular Implant Society Meeting. Atlanta, Georgia, November 16, 1985.
8. Avni I., Arffa R., Robin J.: Lectin Identification of Common Ocular Infections. Israel Association of Eye Research, Tel Aviv, December 11, 1985.
9. Busin M., Arffa R., McDonald M., Kaufman H.: Recent Results of Combined Penetrating Keratoplasty Extracapsular Cataract Extraction and Posterior Chamber Intraocular Lens Insertion. Capri IOL Meeting, International Congress of Ophthalmology, May 1-3, 1986.
10. Yau C., Busin M., Avni I., Arffa R., McDonald M.: Experimental Evaluation of the Effect of Wound Healing and Intraocular Pressure Variations After Radial Keratotomy in an Animal Model. (Poster) XXV International Congress of Ophthalmology. Rome, May 4-10, 1986.
11. Donzis P., Arffa R., Morgan K.: Predictability of Refractive Error in Pediatric Aphakia and Epikeratophakia Symposium on Cataract IOL and Refractive Surgery, Los Angeles, April 1986.
12. Arffa R.: Update on Lamellar Refractive Procedures. Update on Cornea and External Disease, Pittsburgh, September 1986.
13. Arffa R.: Combined Penetrating Keratoplasty, Extracapsular Cataract Extraction and Posterior Chamber Intraocular Lens Insertion. Alumnae Meeting of the Pittsburgh Ophthalmology Society, May 1987.
14. Arffa R.: A Graded Relaxing Incision Technique for Post Keratoplasty Astigmatism. Fifth Congress of the European Intraocular Implantlens Council, Jerusalem, September 1987.

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15. Arffa R.: Corneal Topography Using Rasterstereography. Fifth Congress of the European Intraocular Implantlens Council, Jerusalem, September 1987.
16. Arffa R.: Contemporary Management of Common Problems in Corneal and External Disease. American Academy of Ophthalmology, Dallas, November 1987.
17. Kaufman H., Busin M., Arffa R., McDonald M.: Intraocular Lens Removal During Penetrating Keratoplasty for Psuedophakic Bullous Keratopathy. Fifth Congress of the European Intraocular Implantlens Council, Jerusalem, September 1987.
18. Arffa R., Eller A.: Endogenous Listia Monocytogenes Endophthalmitis. Ocular Microbiology and Immunology Group, Dallas, November 1987.
19. Arffa R.: Cataracts. Warren State Hospital, March 10, 1988.
20. Arffa R.: Ocular Periocular Trauma. Allied Health Personnel Course, Pittsburgh, April 22, 1988.
21. Arffa R.: Corneal Rasterstereography. Indiana University Alumni Meeting, Indianapolis, June 3, 1988.
22. Arffa R. (Instructor): Contemporary Management of Common Problems in Cornea and External Disease. American Academy of Ophthalmology, Las Vegas, October 1988, 1989, 1990.
23. Arffa R.: Corneal Surgery in 1989: Transplantation, epikeratophakia, and Radial Keratotomy. Pennsylvania Academy of Ophthalmology, Pittsburgh, October 1988, 1989, and 1990.
24. Goodman W., SundarRaj N., Garone M., Arffa R., and Thoft R.: Radial Keratotomy Wound Healing in Rabbits: An Immunohistochemical Evaluation. Annual Meeting CIAO/ISRK, New Orleans, January 1989.
25. Arffa R.: Corneal surgery and Contact Lens Complications. Optometric Society, Pennsylvania, May 1989.
26. Arffa R.: Third Intraocular Lens Implantation and Refractive Keratoplasty Workshop. Hyderabad, India, August 1989.
27. Arffa R.: Grand Rounds, Indiana University, Indianapolis Ophthalmology Society, 1989.
28. Arffa R.: Scleral Pocket Incision. Phacoemulsification and Small Incision IOL Course Program, Pittsburgh, November 1989 and 1990.
29. Arffa R.: Grand Rounds Lecture. Corneal Surgery: Transplants and Correction of Myopia and Aphakia, Beaver Medical Center, March 1990.
30. Arffa R., Barron B., Segal B., Thoft R.: Results of Surgery for Corneal Scarring in Aniridia. Annual Meeting of the Castroviejo Society, Atlanta, October 1990.
31. Arffa R.: Corneal Anatomy and Physiology. Eye Enucleation Course, Pittsburgh, May 1991.

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32. Arffa R.: Cornea and Systemic disease. Allegheny General Hospital Second Annual Alumni Event, Pittsburgh, September 1991.
33. Arffa R.: Conjunctivitis and the Red Eye. Nurses Vision Awareness Program, Community College of Beaver County, Beaver, February 8, 1992.
34. Arffa R.: Cataracts, Dry Eyes, and Corneal Transplants. Oasis, Pittsburgh, February 12, 1992.
35. Pennsylvania Optometric Association Congress Meeting. Common Problems in Cornea and External Disease. Seven Springs, May 31, 1992.
36. Arffa, R.: Clinical Corneal Topography. Course, American Academy of Ophthalmology, 1991.
37. Arffa R.: Clinical Uses of Image Analysis in Ophthalmology. Course, American Academy of Ophthalmology, 1991.
38. Arffa R.: Grand Rounds: University of Buffalo, 1991.
39. Arffa R.: Clinical Uses of Image Analysis in Ophthalmology. Course, American Academy of Ophthalmology, 1992.
40. Arffa, R.: Clinical Corneal Topography. Course, American Academy of Ophthalmology, 1992.
41. Arffa R.: Grand Rounds Lecture: Corneal Topography, Hershey Medical Center, 1993.
42. Arffa, R.: Clinical Corneal Topography. Course, American Academy of Ophthalmology, 1993.
43. Arffa R.: Clinical Uses of Image Analysis in Ophthalmology. Course, American Academy of Ophthalmology, 1992.
44. Arffa, R.: Clinical Corneal Topography. Course, American Academy of Ophthalmology, 1994
45. Busin M., Arffa R.: Penetrating Keratoplasty from A to Z. European Congress of Ophthalmology, July 1995.
46. Busin M., Arffa R.: Clinical Corneal Topography. European Congress of Ophthalmology, June 1995.
47. Arffa, R.: Clinical Corneal Topography. Course, American Academy of Ophthalmology, 1995.
48. Arffa R: Clinical Corneal Topography, AAO, 1996
49. Arffa R: Clinical Corneal Topography, AAO, San Francisco, 10/28/1997
50. Wilson, SE, Klyce, S, Arffa R: Corneal Topography, AAO San Francisco, 10/27/1997
51. Arffa, R.: Intraoperative cauterization of the cornea can improve post-keratoplasty refraction of keratoconus patients. Discussion - American Academy of Ophthalmology, San Francisco, 1997
52. Arffa R. Clinical Corneal Topography, AAO, New Orleans, 1998

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53. Busin M, Arffa, RC, and Sebastiani A: Endokeratoplasty as an alternative to penetrating keratoplasty for the surgical treatment of bullous keratopathy: Initial results. AAO, Orlando, 10/25/1999
54. Busin M, Arffa RC, and Salvitti R: Maximizing Cost-efficiency in phacoemulsification, AAO 10/25/1999
55. Massimo Busin, Robert Arffa: Endokeratoplasty Update, EBBA meeting Dallas 10/21/2000
56. Massimo Busin, Robert Arffa: Deep suturing technique for penetrating keratoplasty. Castrovicjo Society Meeting, Dallas 10/21/2000
57. Arffa R: New Lamellar Transplant Techniques Using the Microkeratome, AAO Course, Dallas, 10/23/2000
58. Arffa R: New Lamellar Transplant Techniques Using the Microkeratome, AAO Course, New Orleans, 11/12/2001
59. Arffa R: Endokeratoplasty. Modena, Italy, December 2001.
60. Springs C, Wiley LA, Joseph M, Arffa R, Culbertson W: New Techniques in Lamellar Keratoplasty: ASCRS Course, Philadelphia, June 2002
61. Busin M, Arffa R, Kaufman H: New Techniques of Keratoplasty Using the Microkeratome, AAO Course, Orlando, October 2002.
62. Busin M, Arffa R: Microkeratome-Assisted Lamellar Keratoplasty, Part I. ASCRS, San Francisco, 2003
63. Busin M, Arffa R: Microkeratome-Assisted Lamellar Keratoplasty, Part II, Wet Lab. ASCRS, San Francisco, 2003
64. Busin M, Arffa R: New Techniques in Keratoplasty Using the Microkeratome, Munich, 9/8/2003
65. Arffa R: Updated Results of Lap Joint Keratoplasty, Cornea Society/Federated Scientific Session, Anaheim, CA 11/15/2003
66. Arffa, R, Busin M: One- year results of Modified Endokeratoplasty, AAO, Anaheim, CA, 11/17/2003
67. Busin M, Arffa R, Kaufman H: New Techniques of Keratoplasty Using the Microkeratome, AAO Course, Anaheim, CA 11/17/2003
68. Arffa R. Endokeratoplasty and Lap-joint Keratoplasty. Moria Scientific Symposium. La Jolla 4/30/2004
69. Busin M, Arffa R. Microkeratome-Assisted Superficial Anterior Lamellar Keratoplasty. ASCRS San Diego 5/2/2004
70. Arffa R, Busin M. Lamellar Keratoplasty Techniques. AAO, New Orleans, 10/2004
71. Arffa R. Update on Corneal Topography. World Cornea Congree, Washington, DC 4/2005

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72. Busin M, Arffa R, Kaufman H. New Techniques of Keratoplasty Using the Microkeratome, AAO Course, Nov 2005
73. Busin M, Arffa R, Vajpayee R. Microkeratome-Assisted Therapeutic Keratoplasty. ESCRS London 11/09/2006
74. Busin M, Arffa R, Kaufman H. Innovative Thinking Applied to Penetrating Keratoplasty. AAO Course, Las Vegas, Nov. 13 2006
75. Busin M, Arffa R. Innovative Thinking Applied to Penetrating Keratoplasty. AAO Course, San Francisco, Nov. 2007
76. Busin M, Arffa R. Innovative Thinking Applied to Penetrating Keratoplasty. AAO Course, Atlanta, Nov. 11 2008

PUBLISHED ABSTRACTS

1. Phillips K., Arffa R., Clintron C., Miller D., Kenyon K., Rose J., Kublin C.: Effects of Prednisolone and Medorxyprogesterone on Corneal Wound Healing, Ulceration, and Neovascularization. Invest Ophthalmol Vis Sci (Suppl) 20(3):172, 1981.
2. Arffa R., Marvelli T., Morgan K., McDonald M., Kaufman H.: Keratometric and Refractive Results of Pediatric Epikeratophakia: Effect of Patient Age. Invest Ophthalmol Vis Sci (Suppl) 26(3):204, 1985.
3. Avni I., Robin J., Arffa R., Centifanto Y.: Identification of HSV-1 Infected Cells by Means of Fluorescein-conjugated Lectins. Invest Ophthalmol Vis Sci (Suppl) 26(3):69, 1985.
4. Morgan K., Ellis G., Jr., Arffa R., Marvelli T.: Five Year Follow-up of Epikeratophakia. Ophthalmology (Suppl) 92(8):86, 1985.
5. Arffa R., Avni I., Robin J.: New Techniques in the Diagnosis of Ocular Infections. Ophthalmology (Suppl) 92(8):95, 1985.
6. Donzis P., Arffa R., Morgan K.: Predictability of Refractive Error in Pediatric Aphakia and Epikeratophakia. Invest Ophthalmol Vis Sci 27(3):13, 1986.
7. Busin M., Arffa R., McDonald M., Kaufman H.: Changes in Types of Intraocular Lens Removed During Penetrating Keratoplasty for Pseudophakic Bullous Keratopathy. Ophthalmology (Suppl) 93(8):112, 1986.
8. Warnicki J., Rehkopf P., Curtin D., Burns S., Arffa R., Stuart J.: Corneal Topography Using Rasterstereography. Invest Ophthalmol Vis Sci 28(3):223, 1987.
9. Goodman W., SundarRaj N., Arffa R., Thoft R.: Immunohistochemical Analysis of Rabbit Corneal Healing After Radial Keratotomy. Invest Ophthalmol Vis Sci 28(3):229, 1987.

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10. Gordon Y., Arffa R., Kowalski R.: A Rapid Diagnosis Test for Ocular Adenovirus. Ophthalmology (suppl) 94(8):82, 1987.
11. Warnicki J., Rehkopf P., Curtin D., Arffa R.: Corneal Topography Using Rasterstereography. Ophthalmology (suppl) 94(8):124, 1987.
12. Arffa R., Ebato B.: Attachment of Epithelial Sheets to Epikeratophakia Lenticulas Prepared by Cryolathing, Lyophilization or Microkeratome Cutting. CLAO J (Suppl) 13:56, 1987.
13. Springer D., Kowalski R., Wiley L., Arffa R., Roat M., Gordon Y., Thoft R.: The Value of Serum IgG Titers in Diagnosing Adult Chlamydial Keratoconjunctivitis. Invest Ophthalmol Vis Sci 29(3):38, 1988.
14. Arffa R., Kowalski R., and Springer D.: The Value of Serology in the Diagnosis of Adult Chlamydial Keratoconjunctivitis. Ophthalmology (suppl) 95:145, 1988.
15. Bowers R., Wiley L., Arffa R., Kowalski R.: Non-aureus Staphylococcus in Corneal Disease. Invest Ophthalmol Vis Sci 30(3):380, 1989.
16. Portnoy S., Kowalski R., Karenchak L., and Arffa R.: Evaluation of the Kodak Surecell test for Ocular HSV Diagnosis. Invest Ophthalmol Vis Sci (Suppl) 31:22, 1990.
17. Bueche M., Karenchak L., Kowalski R., Arffa R.: Non-preserved Fortified Antibiotics: How Long Are They safe? Invest Ophthalmol Vis Sci (Suppl) 31:1170, 1991.
18. Busin M and Arffa, R.: Endokeratoplasty. Ophthalmology AAO Suppl 1996
19. Busin, M, Sebastiani A, Lamberti G, Zambianchi L, and Arffa, RC: The Effect of Hinged Lamellar
20. Keratotomy in Post-keratoplasty Eyes. Ophthalmology AAO Suppl 2000.
21. Busin M, Arffa R, Zambianchi L: Outcome of Wound Dehiscence Repair After Suture Removal in Postkeratoplasty Patients. Ophthalmology (AAO Suppl) , p 137, 2001
22. Busin M, Arffa R: Nut and Bolt Wound Configuration for Improved Penetrating Keratoplasty Results. Ophthalmology (AAO Suppl) p243, 2002
23. Busin M, Arffa A: One-Year Results of Modified Endokeratoplasty, J Cat Refract Surg (ASCRS Suppl) p57, 2003
24. Arffa, R, Busin M: One- year results of Modified Endokeratoplasty, Ophthalmology (AAO Suppl) 2003
25. Busin M, Arffa R, Zambianchi L: Microkeratome-Assisted Lamellar Keratoplasty for Keratoconus: Two Year Results. Ophthalmology (AAO suppl) 2003

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BOOK CHAPTERS

1. Morgan K., Arffa R., Marvelli T.: Epikeratophakia in the Pediatric Patient. Chapter 22. In: Refractive Corneal Surgery. D. Sanders, R. Hofmann, J. Salz, eds. Slack, Inc., Thorofare, New Jersey, 1986.
2. Arffa R., McDonald M., Morgan K., Kaufman H.: Adult and Pediatric Epikeratophakia - Indications, Techniques, and Results. Chapter 14E. In: Intraocular Lenses. W. Stark, A. Terry, A. Maumenee, eds. Williams and Wilkens, Baltimore, 1986.
3. Arffa R., McDonald M., Kaufman H.: The Current Status of Refractive Surgery. In: Ophthalmol Annual, Duane 3, R. Reinecke, ed. Appleton-Centry-Crofts, Norwalk, CT, 1987.
4. Arffa R., Busin M., Kaufman H.: Epikeratophakia and Extracapsular Cataract Extraction. In: Atlas on Extracapsular Cataract Surgery. L. Buratto, ed. Italy, 1987.
5. Arffa R., Thoft R.: Corneal Transplantation. In: Transplantation Therapeutics, C. Esquivel, L. Makowka, T. Starzyl, eds. Little Brown Company, Boston
6. Arffa R., Barron B., McDonald M.: Optics of Lamellar Refractive Surgery. In: Clinical Ophthalmology. T. Duane, ed. Harper and Row, Philadelphia.
7. Wiley L., Arffa R., Firemann P.: Allergic and Immunologic diseases of the Eye, Chapter 12. In: Atlas of Allergies, Fireman/Slavin, Gower Medical Publishing, New York, 1991.
8. Warnicki J., Rehkopf P., Curtin D., Arffa R.: Corneal Topography Using a Projected Grid. In: Corneal Topography, D. Schanzlin, New York, Springer Verlag Publishing Company, 1992.
9. Arffa R. and Thoft R.: Conjunctival, Corneal, and Scleral Disease and Cataract Surgery, Chapter 16. In: Management and Care of the Cataract Patient, F. Weinstock, Blackwell Scientific Publications, Boston, 1992.
10. Baker K., Arffa R., and Ingram M.: Corneal Transplantation. In: Anesthetic Principles for Organ Transplantation, DR and Davis PJ, ed, New York, Raven Press, 1994.
11. Arffa R., Stulting R.: Surgical Management of Corneal Opacities in Children. In: Duane's Clinical Ophthalmology, W. Tasman, ed, J. B. Lippincott Company, Philadelphia, 1994.
12. Arffa, R., Stulting, D.: Pediatric Corneal Surgery. Duane's Clinical Ophthalmology
13. Psoriasis. In Current Ocular Therapy, Fraunfelder FT and Roy FH, eds. W.B. Saunders, Philadelphia, 2000, p155
14. Psoriasis. In Emedicine Ophthalmology Textbook, 2000. Updated 2008

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BOOKS

1. Arffa R.: Grayson's Diseases of the Cornea, 3rd Edition, Mosby -Yearbook, Inc., St. Louis, 1991.
2. Arffa R: Grayson's Diseases of the Cornea, 4th Edition, Mosby – Yearbook, Inc, St. Louis, 1997
3. Arffa R: Expert Financial Planning: Investment Strategies From Industry Leaders, John Wiley & Sons, New York, 2001
4. Busin M and Arffa R: Microkeratome Assisted Lamellar Keratoplasty, Slack, Inc, Thorofare, NJ, 2006

PROCEEDINGS OF CONFERENCES AND SYMPOSIA

Zauel D., Ransburg R., Greist M., Arffa R., Julian K.: Leukocystoclastic Vasculitis Associated With Bilateral Central Field Loss: Improvement on Corticosteroid and Mercaptopurine. Greve E. and Heyl A. (eds). Fifth International Visual Field Symposium. Boston, Dr. W. Junk Publishers, 1983, pp. 485-491.

VIDEOS

1. Busin M, Arffa R: Deep Suturing of Corneal Transplants. AAO, 2001 (Best of Show Award)
2. Busin M, Arffa R: Penetrating Keratoplasty Using a Peripheral Lamellar Wound, AAO 2002
3. Busin M, Arffa R: Penetrating Relaxing Incisions for the Correction of Extreme Postkeratoplasty Astigmatism, AAO 2003 (Best of Show Award)

REVIEWS

1. Robin J., Schanzlin D., Verity S., Barron B., Arffa R., Suarez E.: Peripheral Corneal Disease. Surg Ophthalmol 32:1-36, 1986.
2. Arffa R., Eve F.: Systemic Associations of Corneal Deposits. Int Ophthalmol Clinics, 31:3-89, 1991
3. Arffa R.: Clinical Applications of Corneal Topography Analysis. Seminars in Ophthalmol, 6:122, 1991.
4. Arffa R.: Clinical Uses of Corneal Topography Analysis. Current Opinion in Ophthalmology 3:71-77, 1992.
5. Steiner G, Arffa RC: Psoriasis, Ichthyosis, and Porphyria. Int Ophthalmology Clinics 37:41-61, 1997
6. Crumpton, B and Arffa, R: Blepharitis. Current Concepts in Ophthalmology (6):1998

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JOURNAL REVIEWER

1. Survey in Ophthalmology, 1988.
2. Ophthalmic, New Elementary Health, Pupil's Edition, Harcourt Brace Jovanovich, Inc., 1988.
3. Ophthalmology, 1987-present
4. Journal of Refractive Surgery -present
5. Cornea - present

REFEREED PUBLICATIONS

1. Ross S., Arffa R., Miller D., Weiss J., Ransil B.: Vitreous Variation in Vitreous Fluorophotometry. Ann Ophthalmol 14:245, 1982.
2. Miller D., Bienfang D., Mayman C., Weiss J., Babyn P.: Understanding Carotid Occlusive Disease. Ann Ophthalmol 14:1148, 1982.
3. Phillips K., Arffa R., Clintron C., Miller D., Kenyon K., Rose J., Kublin C.: Effects of Prednisolone and Medoxyprogesterone on Corneal Wound Healing, Ulceration and Neovascularization. Arch Ophthalmol 101:640, 1983.
4. Arffa R., Schlaegel T.: Chorioretinal Lesions in Fuchs' Heterochromic Iridocyclitis. Arch Ophthalmol 102:1153, 1984.
5. Saragas S., Arffa R., Rabin R., Kronish J., Miller D., Mayman C.: Reversal of Wound Strength Retardation by Addition of Insulin to Corticosteroid Therapy. Ann Ophthalmol 17:428-430, 1985.
6. Suarez E., Arffa R., Salmeron B., Klyce S., Verity S., McDonald M., Kaufman H.: Efficacy of Surgical Modifications in Myopic Epikeratophakia. J Refractive Surg 1:180, 1985.
7. Suarez E., Arffa R., McDonald M., Kaufman H.: The Suarez Spreader for Epikeratophakia. J Refractive Surg 1:180, 1985.
8. Arffa R., Marvelli T., Morgan K.: Keratometric and Refractive Results of Pediatric Epikeratophakia. Arch Ophthalmol 103:1656-59, 1985.
9. Arffa R., Avni I., Ishibashi Y., Robin J., Kaufman H.: Calcofluor and Ink-potassium Hydroxide Preparations for Identifying Fungi. Am J Ophthalmol 100:719-723, 1985.
10. Suarez E., Arffa R., McDonald M., Kaufman H.: Suarez double Fixation Forceps for Radial Keratotomy. J Refractive Surg 1:236, 1985.

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11. Morgan K., Marvelli E., Ellis G., Arffa R.: Epikeratophakia in Children with Traumatic Cataracts. J Pediatr Ophthalmol and Strabismus 23:108-113, 1986.
 12. Robin I., Arffa R., Avni I., Rao N.: Rapid Visualization of Three Common Fundi Using Fluorescein-conjugated Lectins. Invest Ophthalmol Vis Sci 27:500-506, 1986.
 13. Arffa R., Marvelli T., Morgan K.: Long-Term Follow-up of Refractive and Keratometric Results of Pediatric Epikeratophakia. Arch Ophthalmol 104:668-670, 1986.
 14. Arffa R., Klyce S., Busin M.: Keratometry in Epikeratophakia. J Refractive Surg 2:61-64, 1986.
 15. Morgan K., Arffa R., Marvelli T., Verity S.: Five Year Follow-up of Epikeratophakia in Children. Ophthalmology 93:423-432, 1986.
 16. Busin M., Lin L., Arffa R., McDonald M., Kaufman H.: Antiviral Drugs and Radial Keratotomy. J Refractive Surg 2:113-116, 1986.
 17. Arffa R., Busin M., Barron B., McDonald M., Kaufman H.: Results of Epikeratophakia for Adult Aphakia Using Commercially Prepared Tissue. Arch Ophthalmol 104:1467-72, 1986.
 18. Busin M., Halliday B., Arffa R., McDonald M., Kaufman H.: Precarved Lyophilized Tissue for Lamellar Keratoplasty in Recurrent Pterygium. Am J Ophthalmol 102:222, 1986.
 19. Arffa R., McDonald M., Morgan K., Kaufman H.: Refractive Surgery for Visual Rehabilitation in Aphakia. Seminars in Ophthalmology 1:236-245, 1986.
 20. Arffa R., Avin I.: Purse String Sutures. J Ref Surgery 2:141, 1986.
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