
CURRICULUM VITAE

Charalambos S. Siganos, MD, Ph.D

Asst. Professor of Ophthalmology

Cornea & Transplantation Service

Department of Ophthalmology

Heraklion University Hospital - Crete

Studies

Titles

Publications

Citations

Procedures performed

A. Personal Data

Surname: SIGANOS
Name: CHARALAMBOS
Father name (Middle): SOCRATES
Mother name: ALICE
Date of birth: November 2, 1963
Nationality: Greek
Place of birth: Cairo (Egypt)
Social Status: Married, 2 children
Address: Stergiogianni St. 34, Heraklion, Crete 71305 - Greece
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siganosc@gmail.com
Languages: Greek (mother tongue) - English – Arabic – Spanish – Hebrew

Permits to practice Medicine in:

1. Egypt (1988)
2. Greece (1988)
3. Cyprus (1990)

Degrees, Academic Titles

4. Bachelor of Medicine (**M.B., B.Ch.**)
Faculty of Medicine - Cairo University – 1986
(English instruction)
5. Masters Degree (**M.Sc. in Ophthalmology**)
Faculty of Medicine - Cairo University – 1993

Thesis Title: "Ocular Manifestations of Sarcoidosis"

Grade: "Excellent". (English instruction)

6. Greek Board of Ophthalmology - 1993

7. Ph.D. degree

Department of Medicine, School of Health Sciences,
University of Crete – 1999

Thesis title: Effects of Free Radical inhibitory action of
Desferrioxamine, Zinc-desferrioxamine and Gallium-
desferrioxamine on a corneal alkali burn rabbit model.

Grade: "Excellent with honors".

Permits to practice Ophthalmology in:

8. Egypt (1993)

9. Greece (1993)

10. Cyprus (1993)

B. Education

Undergraduate studies

1. Pre-Medical Natural Science Course.

Faculty of Science, Cairo University 1980 -81

2. Bachelor of Medicine (M.B., B.Ch.)

Faculty of Medicine, Cairo University 1981-1986

Post-graduate studies - posts

3. Rotating Intership.

Cairo University Hospital (1987–88)

4. Masters degree in Ophthalmology (M.Sc. in Ophthalmology), Faculty of Medicine,

Cairo University 1989-1993

5. Residence in Ophthalmology

Cairo University Hospital (Kasr El-Eini) -

Department of Ophthalmology.

March 1989 - May 1993

6. Registrar in Ophthalmology

May 1993 – Sept. 1993

Department of Ophthalmology

Greek Community Hospital, Cairo, Egypt.

7. Visitor Ophthalmologist. Ophthalmology Section,

Department of Clinical Sciences, Research Institute of Ophthalmology, Cairo, Egypt.

July 1993 – Dec. 1993

8. Fellowship in Cornea & External Eye Disease

Cornea Service, Ophthalmology Department, Hadassah University Hospital, Jerusalem, Israel.

Tutor: Prof. Joseph Frucht – Pery, MD

Feb. 1994 – Dec. 1996

9. Fellowship in Surgical Retina

Retina Service, Ophthalmology Department, Hadassah University Hospital, Jerusalem, Israel.

Tutor: Dr. Itshak Hemo, MD

Dec. 1996 – Feb. 1997.

10. Private office practice.

Sept. 1997 – Oct. 1998

11. Registrar in Ophthalmology

Head of Cornea/External Eye Disease Service

Department of Ophthalmology

Heraklion University Hospital, Crete, Greece

Oct. 1998 – 22/04/2003.

12. Ph.D. degree

University of Crete, July 1999.

13. Lecturer in Ophthalmology, Univ. of Crete

Head of Cornea/External Eye Disease Service

Department of Ophthalmology

Heraklion University Hospital, Crete, Greece

Oct. 23/04/2003 till 27/03/2006

14. Asst. Professor of Ophthalmology,

Univ. of Crete

Head of Cornea/External Eye Disease Service

Department of Ophthalmology

Heraklion University Hospital, Crete, Greece

Oct. 23/04/2003 – to date

C. Memberships

A. International

1. The American Academy of Ophthalmology (AAO)
2. The Association for Research in Vision and Ophthalmology (ARVO)
3. Instituto Barraquer (Spain)
4. International Society of Refractive Surgery (ISRS)
5. European Society of Cataract and Refractive Surgeons (ESCRS)
6. International Ocular Surface Society
7. The Egyptian Ophthalmological Society
8. The Egyptian Medical Syndicate
9. The Cyprus Medical Syndicate

B. Local

1. Heraklion Medical Syndicate
2. Ophthalmological Society of Crete
3. Hellenic Ophthalmological Society

Publications

D.1. Theses

For the title of **M.Sc. in Ophthalmology**:

1.1. Siganos CS. Ocular Manifestations of Sarcoidosis. M.Sc. thesis in Ophthalmology. Faculty of Medicine, Cairo University. 1993.

For the **Ph.D** title

1.2. Siganos CS. Study of the effect of the free radical inhibitory action of Desferrioxamine, Zinc-desferrioxamine and Gallium-desferrioxamine on a corneal alkali burn rabbit model. Ph.D. thesis. Department of Medicine, School of Health Sciences, University of Crete. 1999.

D.

2. Journal publications (peer-reviewed, listed in index medicus)

1. Coskunseven E, Kymionis GD, Tsiklis NS, Atun S, Arslan E, Siganos CS, Jankov M, Pallikaris IG. Complications of intrastromal corneal ring segment implantation using a femtosecond laser for channel creation: A survey of 850 eyes with keratoconus. Acta Ophthalmol [Internet]. 2011;89(1):54-7. Available from: www.scopus.com

2. Siganos CS, Tsiklis NS, Miltsakakis DG, Georgiadis NS, Georgiadou IN, Kymionis GD, Pallikaris IG. Changing indications for penetrating keratoplasty in greece, 1982-2006: A multicenter study. Cornea [Internet]. 2010;29(4):372-4. Available from: www.scopus.com

3. Prokopakis EP, Vardouniotis AS, Karatzanis AD, Malandrakis SG, Siganos CS, Velegarakis GA. Long-term results of intranasal laser-assisted dacryocystorhinostomy with the use of a surgical microscope. Auris Nasus Larynx [Internet]. 2010;37(1):66-70. Available from: www.scopus.com

4. Kymionis GD, Diakonis VF, Kalyvianaki M, Portaliou D, Siganos C, Kozobolis VP, Pallikaris AI. One-year follow-up of corneal confocal microscopy after corneal cross-linking in patients with post laser in situ keratosmilesia ectasia and keratoconus. Am J Ophthalmol [Internet]. 2009;147(5):774,778.e1. Available from: www.scopus.com

5. Kymionis GD, Siganos CS, Tsiklis NS, Anastasakis A, Yoo SH, Pallikaris AI, Astyrakakis N, Pallikaris IG. Long-term follow-up of intacs in keratoconus. *Am J Ophthalmol* [Internet]. 2007;143(2):236,244.e1. Available from: www.scopus.com
6. Papadaki TG, Siganos CS, Zacharopoulos IP, Panteleontidis V, Charissis SK. Human amniotic membrane transplantation for tube exposure after glaucoma drainage device implantation. *J Glaucoma* [Internet]. 2007;16(1):171-2. Available from: www.scopus.com
7. Kymionis GD, Tsiklis NS, Pallikaris AI, Kounis G, Diakonis VF, Astyrakakis N, Siganos CS. Long-term follow-up of intacs for post-LASIK corneal ectasia. *Ophthalmology* [Internet]. 2006;113(11):1909-17. Available from: www.scopus.com
8. Landau D, Siganos CS, Mechoulam H, Solomon A, Frucht-Pery J. Astigmatism after mersilene and nylon suture use for penetrating keratoplasty. *Cornea* [Internet]. 2006;25(6):691-4. Available from: www.scopus.com
9. Kymionis GD, Tsilimbaris MK, Iliaki OE, Christodoulakis E, Siganos CS, Pallikaris IG. Treatment of atopic eyelid disease using topical tacrolimus following corticosteroid discontinuation in a patient with open-angle glaucoma. *Cornea* [Internet]. 2004;23(8):828-30. Available from: www.scopus.com
10. Kymionis GD, Siganos CS, Pallikaris IG. Late onset of serologic positive titers in a patient with parinaud's oculoglandular syndrome. *Semin Ophthalmol* [Internet]. 2004;19(3-4):125-6. Available from: www.scopus.com
11. Kozobolis VP, Christodoulakis EV, Naoumidi II, Siganos CS, Detorakis ET, Pallikaris IG. Study of conjunctival goblet cell morphology and tear film stability in pseudoexfoliation syndrome. *Graefe's Archive for Clinical and Experimental Ophthalmology* [Internet]. 2004;242(6):478-83. Available from: www.scopus.com
12. Frucht-Pery J, Mechoulam H, Siganos CS, Ever-Hadani P, Shapiro M, Domb A. Iontophoresis-gentamicin delivery into the rabbit cornea, using a hydrogel delivery probe. *Exp Eye Res* [Internet]. 2004;78(3):745-9. Available from: www.scopus.com
13. Kymionis GD, Aslanides IM, Siganos CS, Pallikaris IG. Intacs for early pellucid marginal degeneration. *J Cataract Refract Surg* [Internet]. 2004;30(1):230-3. Available from: www.scopus.com
14. Naoumidi I, Papadaki T, Zacharopoulos I, Siganos C, Pallikaris I. Epithelial ingrowth after laser in situ keratomileusis: A histopathologic study in human corneas. *Arch Ophthalmol* [Internet]. 2003;121(7):950-5. Available from: www.scopus.com

15. Solomon A, Chowers I, Raiskup F, Siganos CS, Frucht-Pery J. Inadvertent conjunctival trauma related to contact with drug container tips: A masquerade syndrome. *Ophthalmology* [Internet]. 2003;110(4):796-800. Available from: www.scopus.com
16. Kymionis GD, Siganos CS, Kounis G, Astyrakakis N, Kalyvianaki MI, Pallikaris IG. Management of post-LASIK corneal ectasia with intacs inserts: One-year results. *Arch Ophthalmol* [Internet]. 2003;121(3):322-6. Available from: www.scopus.com
17. Siganos CS, Kymionis GD, Kartakis N, Theodorakis MA, Astyrakakis N, Pallikaris IG. Management of keratoconus with intacs. *Am J Ophthalmol* [Internet]. 2003;135(1):64-70. Available from: www.scopus.com
18. Panda A, Sudan R, Siganos CS, Kozobolis VP, Christodoulakis EV. Comment on intraoperative use of mitomycin C in excision of ocular surface neoplasia with or without limbal autograft transplantation [2] (multiple letters). *Cornea* [Internet]. 2002;21(8):840-2. Available from: www.scopus.com
19. Kozobolis VP, Siganos CS, Christodoulakis EV, Lazarov NP, Koutentaki MG, Pallikaris IG. Two-site phacotrabeculectomy with intraoperative mitomycin-C: Fornix- versus limbus-based conjunctival opening in fellow eyes. *J Cataract Refract Surg* [Internet]. 2002;28(10):1758-62. Available from: www.scopus.com
20. Pallikaris IG, Kymionis GD, Panagopoulou SI, Siganos CS, Theodorakis MA, Pallikaris AI. Induced optical aberrations following formation of a laser in situ keratomileusis flap. *J Cataract Refract Surg* [Internet]. 2002;28(10):1737-41. Available from: www.scopus.com
21. Velegrakis GA, Prokopakis EP, Panayotaki I, Pagalos AG, Siganos CS, Helidonis ES. Intranasal laser-assisted dacryocystorhinostomy with the use of a surgical microscope. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery* [Internet]. 2002;23(5):272-6. Available from: www.scopus.com
22. Siganos DS, Popescu CN, Siganos CS, Pistola G. Tear secretion following excimer laser in situ keratomileusis. *Journal of Refractive Surgery* [Internet]. 2002;18(2):124-6. Available from: www.scopus.com
23. Siganos CS, Kymionis GD, Astyrakakis N, Pallikaris IG. Management of corneal ectasia after laser in situ keratomileusis with intacs. *Journal of Refractive Surgery* [Internet]. 2002;18(1):43-6. Available from: www.scopus.com
24. Siganos CS, Kozobolis VP, Christodoulakis EV. The intraoperative use of mitomycin-C in excision of ocular surface neoplasia with or without limbal autograft transplantation. *Cornea* [Internet]. 2002;21(1):12-6. Available from: www.scopus.com

25. Kozobolis VP, Christodoulakis EV, Siganos CS, Pallikaris IG. Hemorrhagic descemet's membrane detachment as a complication of deep sclerectomy: A case report. J Glaucoma [Internet]. 2001;10(6):497-500. Available from: www.scopus.com
26. Pallikaris IG, Panagopoulou SI, Siganos CS, Molebny VV. Objective measurement of wavefront aberrations with and without accommodation. Journal of Refractive Surgery [Internet]. 2001;17(5):S602-7. Available from: www.scopus.com
27. Siganos DS, Popescu CN, Siganos CS, Pistola G. Tear secretion following spherical and astigmatic excimer laser photorefractive keratectomy. J Cataract Refract Surg [Internet]. 2000;26(11):1585-9. Available from: www.scopus.com
28. Siganos DS, Siganos CS, Popescu CN, Margaritis VN. Clear lens extraction and intraocular lens implantation in marfan's syndrome. J Cataract Refract Surg [Internet]. 2000;26(5):781-4. Available from: www.scopus.com
29. Pallikaris IG, Tsilimbaris MK, Siganos CS. Seminars in ophthalmology: Introduction. Semin Ophthalmol [Internet]. 2000;15(3):129. Available from: www.scopus.com
30. Siganos DS, Popescu CN, Siganos CS, Margaritis VN. Seven years experience with LASIK for myopia. Oftalmologia (Bucharest, Romania : 1990) [Internet]. 1999;47(2):50-2. Available from: www.scopus.com
31. Solomon A, Siganos CS, Frucht-Pery J. Adverse ocular effects following influenza vaccination [9]. Eye [Internet]. 1999;13(3 A):381-2. Available from: www.scopus.com
32. Solomon A, Siganos CS, Frucht-Pery J. Corneal dynamics after single interrupted suture removal following penetrating keratoplasty. Journal of Refractive Surgery [Internet]. 1999;15(4):475-80. Available from: www.scopus.com
33. Frucht-Pery J, Goren D, Solomon A, Siganos CS, Mechoulam H, Solomon A, Ever-Hadani P, Shapiro M. The distribution of gentamicin in the rabbit cornea following iontophoresis to the central cornea. Journal of Ocular Pharmacology and Therapeutics [Internet]. 1999;15(3):251-6. Available from: www.scopus.com
34. Solomon A, Siganos CS, Frucht-Pery J. Relaxing incision guided by videokeratography for astigmatism after keratoplasty for keratoconus. Journal of Refractive Surgery [Internet]. 1999;15(3):343-8. Available from: www.scopus.com
35. Frucht-Pery J, Siganos CS, Solomon A, Shvartzenberg T, Richard C, Trinquand C. Topical indomethacin solution versus dexamethasone solution for treatment of inflamed

pterygium and pinguecula: A prospective randomized clinical study. *Am J Ophthalmol* [Internet]. 1999;127(2):148-52. Available from: www.scopus.com

36. Klang SH, Siganos CS, Benita S, Frucht-Pery J. Evaluation of a positively charged submicron emulsion of piroxicam on the rabbit corneum healing process following alkali burn. *J Controlled Release* [Internet]. 1999;57(1):19-27. Available from: www.scopus.com

37. Frucht-Pery J, Siganos CS, Solomon A, Scheman L, Brautbar C, Zauberman H. Limbal cell autograft transplantation for severe ocular surface disorders. *Graefes Archive for Clinical and Experimental Ophthalmology* [Internet]. 1998;236(8):582-7. Available from: www.scopus.com

38. Chowers I, Siganos CS, Solomon A, Frucht-Pery J. Deep stromal inflammation - A possible new ocular manifestation of crohn's disease. *Ocul Immunol Inflamm* [Internet]. 1998;6(1):59-62. Available from: www.scopus.com

39. Siganos CS, Frucht-Pery J, Muallem MS, Berenshtein E, Naoumidi I, Ever-Hadani P, Pallikaris IG, Siganos DS, Chevion M. Topical use of zinc desferrioxamine for corneal alkali injury in a rabbit model. *Cornea* [Internet]. 1998;17(2):191-5. Available from: www.scopus.com

40. Frucht-Pery J, Siganos CS, Solomon A, Brautbar C, Zauberman H. Conjunctival limbal cell transplantation [clct] for ocular surface disorders. *Invest Ophthalmol Visual Sci* [Internet]. 1997;38(4) Available from: www.scopus.com

41. Siganos CS, Solomon A, Frucht-Pery J. Microbial findings in suture erosion after penetrating keratoplasty. *Ophthalmology* [Internet]. 1997;104(3):513-6. Available from: www.scopus.com

42. Frucht-Pery J, Shtibel H, Solomon A, Siganos CS, Yassur Y, Pe'er J. Thirty years of penetrating keratoplasty in israel. *Cornea* [Internet]. 1997;16(1):16-20. Available from: www.scopus.com

43. Frucht-Pery J, Solomon A, Siganos CS, Shvartzenberg T, Richard C, Trinquand C. Treatment of inflamed pterygium and pinguecula with topical indomethacin 0.1% solution. *Cornea* [Internet]. 1997;16(1):42-7. Available from: www.scopus.com

44. Solomon A, Siganos CS, Frucht-Pery J. Presumed herpetic keratitis and topical anesthetic abuse [1]. *Acta Ophthalmol Scand* [Internet]. 1996;74(5):518-9. Available from: www.scopus.com

45. Chowers I, Frucht-Pery J, Siganos CS, Solomon A, Pe'er J. Vinblastine toxicity to the ocular surface. *Anticancer Drugs* [Internet]. 1996;7(7):805-8. Available from:

www.scopus.com

46. Frucht-Pery J, Siganos CS, Ilsar M. Intraoperative application of topical mitomycin C for pterygium surgery. *Ophthalmology* [Internet]. 1996;103(4):674-7. Available from:

www.scopus.com

47. Siganos CS, Solomon A, Frucht-Pery J. Bacterial findings in broken sutures after penetrating keratoplasty. *Invest Ophthalmol Visual Sci* [Internet]. 1996;37(3) Available from: www.scopus.com

48. Klang SH, Siganos CS, Benita S, Frucht-Pery J. Piroxicam positively-charged emulsion protects against corneal alkali burn in a rabbit model. *Invest Ophthalmol Visual Sci* [Internet]. 1996;37(3) Available from: www.scopus.com

49. Solomon A, Siganos CS, Frucht-Pery J. Topographic changes after single interrupted suture removal following penetrating keratoplasty. *Invest Ophthalmol Visual Sci* [Internet]. 1996;37(3) Available from: www.scopus.com

50. Siganos DS, Pallikaris IG, Siganos CS. Clear lensectomy and intraocular lens implantation in normally sighted highly hyperopic eyes. three-year follow-up. *European Journal of Implant and Refractive Surgery* [Internet]. 1995;7(3):128-33. Available from: www.scopus.com

51. Siganos DS, Siganos CS, Pallikaris IG. Clear lens extraction and intraocular lens implantation in normally sighted hyperopic eyes. *J Refract Corneal Surg* [Internet]. 1994;10(2):117,121; discussion 122. Available from: www.scopus.com

Citations:

www.Scopus.com

(search: Siganos C, 23/10/11)

In 51 articles, 831 citations to date, H-index: 15

Procedures performed to date:

Cataract Surgery (about 2500 cases)

- **Phacoemulsification**

Corneal transplantation surgery (about 500 cases):

- **Penetrating Keratoplasty**
- **Endothelial Keratoplasty (DSAEK)**

Corneal surgery other than transplantation

- **Intracorneal rings for myopia and keratoconus (about 60 cases)**
- **Corneal reconstruction (NHED, perforation, Salzmann degeneration, band keratopathy etc.): about 50 cases**

Ocular Surface Surgery

- **Limbal stem cell transplantation (about 30 cases)**
- **Amniotic membrane transplantation (about 60 cases)**
- **Pterygium surgery (MMC, conjunctival grafts, amniotic grafts): about 120 cases**
- **Ocular surface neoplasias (about 30 cases)**