
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: Isavron 105, Heraklion 71303, Greece
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siganos@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

June 2013 – to date (additional to Hospital practice)

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 (Elected as permanent staff on 2009)

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. Dastiridou AI, Ginis H, Tsilimbaris M, Karyotakis N, Detorakis E, **Siganos C**, Cholevas P, Tsironi EE, Pallikaris IG. Ocular rigidity, ocular pulse amplitude, and pulsatile ocular blood flow: The effect of axial length. *Invest Ophthalmol Visual Sci* [Internet]. 2013;54(3):2087-92. [.](#)
2. Kymionis GD, Kankariya VP, Diakonis VF, Karavitaki AE, **Siganos CS**, Pallikaris IG. Descemet stripping automated endothelial keratoplasty in a child after failed penetrating keratoplasty. *Journal of AAPOS* [Internet]. 2012;16(1):95-6. [.](#)
3. 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. [.](#)
4. **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. [.](#)
5. Prokopakis EP, Vardouniotis AS, Karatzanis AD, Malandrakis SG, **Siganos CS**, Velegrakis 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. [.](#)

6. Kymionis GD, Diakonis VF, Kalyvianaki M, Portaliou D, **Signos C**, Kozobolis VP, Pallikaris AI. One-year follow-up of corneal confocal microscopy after corneal cross-linking in patients with post laser in situ keratosmilesus ectasia and keratoconus. *Am J Ophthalmol* [Internet]. 2009;147(5):774,778.e1. [.](#)
7. Kymionis GD, Bouzoukis DI, Haft P, **Signos CS**, Yoo S. Intrastromal corneal ring segments for the treatment of irregular astigmatism. *Expert Review of Ophthalmology* [Internet]. 2008;3(1):9-15. [.](#)
8. Kymionis GD, **Signos 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. [.](#)
9. Papadaki TG, **Signos 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. [.](#)
10. Kymionis GD, Tsiklis NS, Pallikaris AI, Kounis G, Diakonis VF, Astyrakakis N, **Signos CS**. Long-term follow-up of intacs for post-LASIK corneal ectasia. *Ophthalmology* [Internet]. 2006;113(11):1909-17. [.](#)
11. Landau D, **Signos 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. [.](#)
12. Kymionis GD, Tsilimbaris MK, Iliaki OE, Christodoulakis E, **Signos 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. [.](#)
13. Kymionis GD, **Signos 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. [.](#)
14. Kozobolis VP, Christodoulakis EV, Naoumidi II, **Signos 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. [.](#)
15. Frucht-Pery J, Mechoulam H, **Signos 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. [.](#)
16. Kymionis GD, Aslanides IM, **Signos CS**, Pallikaris IG. Intacs for early pellucid marginal degeneration. *J Cataract Refract Surg* [Internet]. 2004;30(1):230-3. [.](#)

17. 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. [.](#)
18. 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. [.](#)
19. 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. [.](#)
20. **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. [.](#)
21. 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. [.](#)
22. 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. [.](#)
23. 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. [.](#)
24. 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. [.](#)
25. 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. [.](#)
26. **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. [.](#)
27. **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. [.](#)
28. 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. [.](#)

29. 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. [.](#)
30. 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. [.](#)
31. 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. [.](#)
32. Pallikaris IG, Tsilimbaris MK, **Siganos CS**. Seminars in ophthalmology: Introduction. *Semin Ophthalmol* [Internet]. 2000;15(3):129. [.](#)
33. 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. [.](#)
34. Solomon A, **Siganos CS**, Frucht-Pery J. Adverse ocular effects following influenza vaccination [9]. *Eye* [Internet]. 1999;13(3 A):381-2. [.](#)
35. 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. [.](#)
36. 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. [.](#)
37. 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. [.](#)
38. 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. [.](#)
39. 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. [.](#)
40. Frucht-Pery J, **Siganos CS**, Solomon A, Scheman L, Brautbar C, Zauberman H. Limbal cell autograft transplantation for severe ocular surface disorders. *Graefe's Archive for Clinical and Experimental Ophthalmology* [Internet]. 1998;236(8):582-7. [.](#)

41. 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. [.](#)
42. **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. [.](#)
43. 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: [.](#)
44. **Siganos CS**, Solomon A, Frucht-Pery J. Microbial findings in suture erosion after penetrating keratoplasty. *Ophthalmology* [Internet]. 1997;104(3):513-6. [.](#)
45. 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. [.](#)
46. 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. [.](#)
47. Solomon A, **Siganos CS**, Frucht-Pery J. Presumed herpetic keratitis and topical anesthetic abuse [1]. *Acta Ophthalmol Scand* [Internet]. 1996;74(5):518-9. [.](#)
48. 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. [.](#)
49. Frucht-Pery J, **Siganos CS**, Ilsar M. Intraoperative application of topical mitomycin C for pterygium surgery. *Ophthalmology* [Internet]. 1996;103(4):674-7. [.](#)
50. **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: [.](#)
51. 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: [.](#)
52. 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: [.](#)
53. 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. [.](#)

54. 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. [.](#)

Citations:

www.Scopus.com

(search: Siganos C, 26/06/13)

In 54 articles, 986 citations to date, H-index: 17

Procedures performed to date:

Cataract Surgery (about 2500 cases)

- **Phacoemulsification**

Corneal transplantation surgery (about 550 cases):

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

Corneal surgery other than transplantation

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

Ocular Surface Surgery

- **Limbal stem cell transplantation (about 40 cases)**
- **Amniotic membrane transplantation (about 70 cases)**
- **Pterygium surgery (MMC, conjunctival grafts, amniotic grafts): about 130 cases**
- **Ocular surface neoplasias (about 30 cases)**

Laser Refractive Surgery (about 1000 cases)

- **LASIK (Microkeratome and Femto assisted)**
- **PRK (with and without Mitomycin C)**

Cross Linking for Keratectasia (with and without PRK) about 20 cases

