Curriculum Vitae

IASON S. MANTAGOS, M.D., Ph.D.

Director of Pediatric Ophthalmology
IASO Children's Hospital
Athens, Greece

Assistant Professor of Ophthalmology
Harvard Medical School
Boston, MA

Attending Pediatric Ophthalmologist
Boston Children's Hospital
Boston, MA

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EDUCATION

1996 – 2000 Bachelor of Arts in Biology, *Magna Cum Laude*
Minor in Statistical Methods
Boston University, Boston MA

2000 – 2004 Doctorate of Medicine
Boston University, School of Medicine, Boston MA, USA

2018 Ph.D.
Thesis: "Ophthalmic features of Progeria"
University of Patras Medical School, Patras, Greece

POSTDOCTORAL TRAINING

2004 – 2005 Internship in Internal Medicine
Caritas Carney Hospital, Boston MA

2005 – 2008 Residency in Ophthalmology
Boston University School of Medicine-Boston Medical Center
Boston MA

2008 – 2009 Fellowship in Pediatric Ophthalmology and Adult Strabismus
Harvard Medical School-Boston Children's Hospital, Boston, MA

FACULTY ACADEMIC APPOINTMENTS

6/2004 – 6/2005 Clinical Assistant in Medicine
Tufts University School of Medicine, Boston MA

7/2008 – 6/2009 Clinical Fellow in Ophthalmology
Harvard Medical School, Boston MA

7/2009 – 12/2015 Instructor in Ophthalmology
Harvard Medical School, Boston MA

12/2011 – 6/2021 Associate Ophthalmology Residency Director
Boston Children's Hospital, Boston MA

9/2014 – 6/2015 Associate Pediatric Ophthalmology Fellowship Director
Boston Children's Hospital, Boston MA

7/2015 – 6/2021 Pediatric Ophthalmology Fellowship Director
Boston Children's Hospital, Boston MA

1/2016 – today Assistant Professor of Ophthalmology
Harvard Medical School, Boston MA

HOSPITAL APPOINTMENTS/AFFILIATED INSTITUTIONS

7/2008 – today Staff Physician, Department of Ophthalmology
Boston Children's Hospital, Boston MA

6/2009 – today Staff Physician, Pediatric Ophthalmology
Massachusetts Eye and Ear Infirmary, Boston MA

7/2009 – today Affiliate Attending, Department of Newborn Medicine
Brigham and Women's Hospital, Boston MA

9/2009 – today Clinical Associate in Pediatrics, Department of Pediatrics
Massachusetts General Hospital, Boston MA

11/2009 – today Consulting Physician, Department of Neonatology
Beth Israel Deaconess Medical Center, Boston MA,

11/2012 – today Affiliate Attending, Department of Pediatrics
South Shore Hospital, Weymouth MA

6/2018 – 7/2019 Consultant Staff, Department of Pediatrics
Baystate Medical Center, Springfield MA

11/2019 – today Telemedicine Consulting Staff, Department of Pediatrics
Catholic Medical Center, Manchester NH

8/2021 – today Consulting Staff, Department of Surgery
Southern New Hampshire Medical Center, Nashua NH

3/2022 – today Director, Department of Pediatric Ophthalmology
IASO Children's Hospital, Marousi Greece

CLINICAL EXPERTISE

-Pediatric Ophthalmology
-Congenital cataract
-Congenital glaucoma
-Retinopathy of prematurity
-Pediatric and adult strabismus
-Progeria
-Ocular surface disease (neurotrophic keratitis, Stevens Johnson syndrome)

SURGICAL EXPERTISE

-Pediatric strabismus with adjustable suture

-Adult strabismus with adjustable sutures
-Congenital ptosis repair (frontalis sling)
-Orbital abscess drainage
-Nasolacrimal duct obstruction (probing, endoscopic DCR)
-Ophthalmic trauma (eyelid laceration, open globe repair)
-Congenital cataract
-Congenital glaucoma
-Amniotic membrane transplantation
-Corneal neurotization
-Retinopathy of prematurity (laser photocoagulation, intravitreal injections)

SURGICAL INNOVATONS

2010 Established the protocol for evaluation and management of acute Steven's Johnson Syndrome including the use of amniotic membrane transplantation at Boston Children's Hospital (publication #13). Boston Children's Hospital, Boston MA

2018 Established the protocol for surgical management of corneal anesthesia with corneal neurotization.
Boston Children's Hospital, Boston MA

ACADEMIC WORK

Editorial Activities, Ad hoc Reviewer

1. Journal of the American Association for Pediatric Ophthalmology and Strabismus
2. Journal of Pediatric Ophthalmology and Strabismus
3. Ophthalmic Plastic & Reconstructive Surgery
4. RETINA
5. Survey of Ophthalmology
6. BMJ Case Reports
7. Orbit
8. CORNEA
9. BMJ Case Reports
10. Digital Journal of Ophthalmology
11. Acta Ophthalmologica
12. Journal of Multidisciplinary Healthcare
13. American Academy of Pediatrics
14. Journal of Perinatology
15. Pediatric Dermatology

Participation in Scientific Conference Committees

2019 Paradigm shifts in Pediatric Ophthalmology
New England Ophthalmologic Society.
Moderator.

2021 Where Pediatric Ophthalmology meets the Arts and Innovation.
Pre-AAPOS Meeting.
Chair of the organizing committee.

2023 Pediatric Ophthalmology Roundtable-National Ophthalmology Conference
Hellenic Ophthalmological Society
Moderator.

Professional Societies

American Association for Pediatric Ophthalmology and Strabismus
American Academy of Ophthalmology
American Academy of Pediatrics
New England Ophthalmological Society
Massachusetts Medical Society
Hellenic Ophthalmological Society
Hellenic Society of Paediatric Ophthalmolgy and Strabismus

FUNDED RESEARCH PROJECTS

2011-2014 **Telemedicine approaches to evaluating acute phase ROP (eROP).**
Sponsor: National Eye Institute
Role: Co-investigator. Evaluated patients as an expert grader for ROP.
Multicenter clinical study evaluating the validity, reliability, feasibility, safety, and relative cost-effectiveness of a retinopathy of prematurity (ROP) telemedicine evaluation system to detect eyes of at-risk babies who meet ROP screening criteria.

2011 – σήμερα **An open label phase II trial of zoledronic acid, pravastatin and lonafarnib (SCH66336) for patients with Hutchinson-Gilford Progeria syndrome (HGPS) and progeroid laminopathies.**
Sponsor: Progeria Research Foundation
Role: Co-investigator. Ophthalmology expert
Boston Children's Hospital is the worldwide site for clinical trials for patients with progeria. As the study ophthalmologist I evaluate children with progeria and their need for specialized ophthalmic treatment.

2012-2016 **Artisan Aphakia Lens for the treatment of aphakia in children.**
Sponsor: Ophtec USA, Inc.
Role: Co-investigator
To evaluate the use of the Artisan lens in the management of aphakia in children who cannot have a posterior chamber intraocular lens implanted.

2015-2016 **A randomized, double-masked, parallel-group study of the effect of OMS302 on intraoperative pupil diameter and postoperative pain in children undergoing cataract extraction**
Sponsor: Omeros Corp.
Role: Co-Investigator
To evaluate the effect of OMS302 in pupillary dilation and postoperative pain in pediatric cataract surgery.

2016-2018 **Evaluation of Luminopia virtual reality medical software for the treatment of amblyopia**
Sponsor: Luminopia, Inc
Role: Primary Investigator
To evaluate the use of a virtual reality medical software for the treatment of amblyopia in children and young adults.

2013-2021 **An ocular safety study of ivacaftor-treated pediatric patients 11 year of age or younger with cystic fibrosis**.
Sponsor: Vertex Pharmaceuticals, Inc.
Role: Site ophthalmologist
To evaluate patients for ophthalmic side effects of ivacaftor in the treatment of pediatric

patients with cystic fibrosis.

2014-2021 **Stevens Johnson syndrome/ Toxic epidermal necrolysis patient registry**
Sponsors:
Medical Staff Organization, Boston Children's Hospital – Faculty Innovative Research Award
Children's Hospital Ophthalmology Foundation – Faculty Discovery Award.
Role: Primary Investigator ($30,000)
Creation of a multicenter patient registry and bio-repository for acute SJS/TEN to allow the evaluation of the disease process and therapeutic interventions.

2015-today **Trial of bevacizumab treatment for severe retinopathy of prematurity**
Sponsor: National Eye Institute
Role: Co-investigator
To find the lowest and safest amount of bevacizumab for the treatment of severe retinopathy of prematurity.

REPORT OF SCHOLARSHIP

PEERED REVIEWED PUBLICATIONS

1. Dimitriou G, Greenough A, **Mantagos JS**, Davenport M, Nicolaides KH. Morbidity in infants with anterior abdominal wall defects. Pediatr Surg Int 2000; 16(5-6):404-7.

2. Dimitriou G, Greenough A, **Mantagos J**, Skinner S. Metabolic acidosis, core-peripheral temperature difference and blood pressure response to albumin infusion in hypotensive, very premature infants. J Perinat Med 2001; 29:442-5.

3. **Mantagos IS**, Rhodes J, Dagi LR. Transient monocular vision loss from acute rheumatic fever. Pediatr Cardiol 2008; 29:966-8.

4. **Mantagos IS,** Vanderveen DK, Smith LH. Emerging treatments for retinopathy of prematurity. Semin Ophthalmol 2009;24:82-6.

5. Heidary G, Löfqvist C, **Mantagos IS**, Vanderveen DK, Hellström A, Smith LE. Retinopathy of prematurity: clinical insights from molecular studies. Neo Reviews 2009; 10:e550-7.

6. Huang JT, **Mantagos J**, Kapoor R, Schmidt B, Maguiness S. Langerhans cell histiocytosis mimicking molluscum contagiosum. J Am Acad Dermatol 2012; 67:e117-8.

7. Ramasubramanian A, **Mantagos I**, Vanderveen DK. Corneal endothelial cell characteristics after pediatric cataract surgery. J Pediatric Ophthalmol Strabismus 2013;50:251-4.

8. **Mantagos IS**, Vanderveen DK, Smith LEH. Risk factors for ROP: beyond age, birth weight, and oxygen. Curr Ophthalmol Rep 2013;1:213-7.

9. Papakostas A, Jakobiec F, **Mantagos J**, Rashid A, Fay A, Vavvas D. Idiopathic dacryoadenitis mimicking a primary intraocular tumor in a young girl. Clin Experiment Ophthalmol 2014; 42:785-8.

10. Thanos A, **Mantagos IS**. A 13-year old boy with asthma, itchy eyes, and decreased vision. J Pediatr 2014;165:1267.

11. Shah AS, Prabhu SP, Sadiq MA, **Mantagos IS**, Hunter DG, Dagi LR. Adjustable nasal transposition of split lateral rectus muscle for third nerve palsy. JAMA Ophthalmol 2014;132:963-9.

12. Talsania SD, Robson CD, **Mantagos IS**. Unilateral congenital lacrimal gland agenesis with contralateral lacrimal gland hypoplasia. J Pediatr Ophthalmol Strabismus 2015; 52:e52-4.

13. Sadiq MAA, Corkin F, **Mantagos IS**. Eyelid lacerations due to dog bite in children. J Pediatr Ophthalmol Strabismus 2015;52:360-3.

14. Saeed H, **Mantagos IS,** Chodosh J. Complications of Stevens-Johnson syndrome beyond the eye and skin. Burns 2016;42:20-7.

15. Eldweik L, **Mantagos IS**. Role of VEGF inhibition in the treatment of retinopathy of prematurity. Semin Ophthalmol 2016;31(1-2):163-8.

16. Kohanim S, Palioura S, Saeed HN, … **Mantagos IS** (17th/29 authors)…, Chodosh J. Stevens-Johnson syndrome/toxic epidermal necrolysis – A comprehensive review and guide to therapy. I. Systemic disease. Ocul Surf 2016;14:2-19.

17. Ma K, Thanos A, Chodosh J, Shah AS, **Mantagos IS**. A novel technique for amniotic membrane transplantation in patients with acute Stevens-Johnson syndrome. Ocul Surf 2016;14:31-6.

18. Kohanim S, Palioura S, Saeed HN, … **Mantagos IS** (17th/29 authors)…, Chodosh J. Stevens-Johnson syndrome/toxic epidermal necrolysis – A comprehensive review and guide to therapy. II. Ophthalmic disease. Ocul Surf 2016;14:168-88.

19. Le HG, Saeed H, **Mantagos IS**, Mitchell CM, Goverman J, Chodosh J. Burn unit care of Stevens Johnson syndrome/toxic epidermal necrolysis: A survery. Burns 2016; 42:830-5.

20. Ebrahimiadib N, Modjtahedi BS, Ferenchak K, Papakostas T, **Mantagos JS**, Vavvas DG. Optical coherence tomography findings and successful repair of retina detachment in Knobloch syndrome. Digit J Ophthalmol 2017;23(1):29-32.

21. Wan MJ, **Mantagos IS**, Shah AS, Kazlas M, Hunter DG. Comparison of botulinum toxin with surgery for the treatment of acute-onset, comitant esotropia in children. Am J Ophthalmol 2017;176:33-9.

22. **Mantagos IS**, Kleinman ME, Kierna MW, Gordon LB. Ophthalmologic features of Progeria. Am J Ophthalmol 2017;182:126-32.

23. Wan MJ, Gilbert A, Kazlas M, Wu C, **Mantagos IS**, Hunter DG, Shah AS. The effect of botulinum toxin-augmentation on strabismus surgery for large-angle, infantile esotropia. Am J Ophthalmol 2018;189:160-5.

24. Wallace DK, Dean TW, Hartnett ME, Kong L, Smith LE, Hubbard GB, McGregor ML, Jordan CO, **Mantagos IS**, Bell EF, Kraker RT; Pediatric Eye Disease Investigator Group. A dosing study of bevacizumab for retinopathy of prematurity: Late recurrences and additional treatments. Ophthalmology 2018;125:1961-6.

25. Roohipoor R, Alvarez R, Brodowska K, … **Mantagos IS**, (15th/18 authors)…, Loewenstein J. Evaluation of computer-based retinopathy of prematurity (ROP) education for

ophthalmology residents: a randomized, controlled, multicenter study. J AAPOS 2019;23:86.e1-86.e7.

26. Oatts JT, Doyle JJ, Dodd MMU, **Mantagos IS**, Dagi LR. Acquired reversible Brown's syndrome caused by focal abscess of superior oblique muscle. JAAPOS 2019;23:172-4.

27. Cheung CSY, Yang E, Robertson RL, **Mantagos IS.** Prenatal diagnosis of intraconal lymphatic malformation on fetal MRI. J AAPOS 2020;24:113-5.

28. Gise R, Elhusseiny AM, Scelfo C, **Mantagos IS**. Mycoplasma pneumoniae induced rash and mucositis (MIRM): a longitudinal perspective and proposed management criteria. Am J Ophthalmol 2020;219:351-6.

29. Bowe T, Hunter DG, **Mantagos, IS** et al. Virtual visits in ophthalmology: timely advice for implementation during the COVID-19 public health crisis. Telemed J E Health 2020;26:1113-7.

30. Elhusseiny AM, Gise R, **Mantagos IS**. Trochleitis presenting with double vision in a patient with juvenile idiopathic arthritis. Orbit (London) 2021;40:342-3.

31. Gise R, Elhusseiny AM Scelfo C, **Mantagos IS**. Ocular involvement in recurrent infectious mucocutaneous eruption (RIME): a variation on a theme. J AAPOS 2021;25:62-4.

32. **Mantagos IS**, Wu C, Griffith JF, et al. Retinopathy of prematurity screening and risk mitigation during the COVID-19 pandemic. J AAPOS 2021;25:91.e1-91.e5.

33. Elhusseiny AM, Gise R, Scelfo C, **Mantagos IS**. Amniotic membrane transplantation in a 2-month-old infant with toxic epidermal necrolysis. Am J Ophthalmol Case Rep 2021; 21:101017.

34. Scelfo C, **Mantagos IS**. Neurotrophic keratopathy in pediatric patients. Semin Ophthalmol 2021;36:289-95.

35. Gjerde H, **Mantagos IS**. Charting the globe: How technologies have affected our understanding of retinal findings in abusive head trauma/shaken baby syndrome. Semin Ophthalmol 2021;36:205-9.

36. Elhusseiny AM, Bishop K, Staffa SJ, Zurakowski D, Hunter DG, **Mantagos IS.** Virtual reality prototype for binocular therapy in older children and adults with amblyopia. J AAPOS 2021;25:217.e1-217.e6.

37. Oke I, **Mantagos IS.** Rates of unverifiable and incomplete publications in pediatric ophthalmology fellowship applications. J AAPOS 2021;25:295-7.

38. Gotti G, Stevenson K, Kay-Green S, Blonquist TM, **Mantagos JS,** Silverman LB, Place AE. Ocular abnormalities at diagnosis and after the completion of treatment in children and adolescents with newly diagnosed acute lymphoblastic leukemia. Pediatr Blood Cancer 2022;69:e29542.

39. Wiecek E, Akula J, Vanderveen DK, **Mantagos IS**, Wu C, Fulton A. Longitudinal change of refractive error in retinopathy of prematurity treated with intravitreal bevacizumab or laser photocoagulation. Am J Ophthalmol 2022;240:252-9.

40. Tam EK, Elhusseiny AM, Shah AS, **Mantagos IS**, VanderVeen DK. Etiology and outcomes of childhood glaucoma at a tertiary referral center. J AAPOS 2022;26:117.e1-117.e6.

41. Oke I, Heidary G, **Mantagos IS**, Shah AS, Hunter DG. Comparison of fellowship match opportunities and results across pediatric surgical subspecialities. J AAPOS 2022;26:145-8.

42. Elhusseiny AM, Traish AS, Saeed HN, **Mantagos IS**. Topical cenegermin 0.002% for pediatric neurotrophic keratopathy. Eur J Ophthalmol 2022;11206721221094783.

43. Oke I, McGovern C, **Mantagos IS.** Eversion of the upper eyelid to evaluate for foreign bodies. J Pediatr 2022;S0022-3476(22)00536-4.

44. Oke I, Gaier ED, **Mantagos IS**, Shah AS. Periodic trends in eye symptom related internet searches of the US population. Ophthalmic Epidemiol 2022 Sep 14:1-6. Online ahead of print.

45. Oke I, Heidary G, **Mantagos IS**, Shah AS, Hunter DG. A decline in the strabismus surgical experience of ophthalmology residents in the United States from 2010 to 2019. J AAPOS 2022;26:263-5.

46. Curran AK, Stukin J, Ambrosio L, **Mantagos IS**, et al. Electroretinographic responses in retinopathy of prematurity treated using intravitreal bevacizumab or laser. Am J Ophthalmol 2023;252:275-85.

47. Oke I, Hunter DG, **Mantagos IS**, Heidary G. The impact of the COVID-19 pandemic on the surgical volume of pediatric ophthalmology and strabismus fellows. J AAPOS 2023:S1091-8531(23)00171-4.

SCHOLARSHIP WITHOUT NAMED AUTHORSHIP

1. Quinn GE, for the e-ROP cooperative group. Telemedicine approaches to evaluating acute-phase retinopathy of prematurity: Study design. Ophthalmic Epidemiol 2014;21(4):256-67.

2. Quinn GE, Ying G, Daniel E, Hildebrand PL, Ells A, Baumritter A, Kemper AR, Schron EB, Wade K, for the e-ROP cooperative group. Validity of a telemedicine system for the

evaluation of acute-phase retinopathy of prematurity. JAMA Ophthalmol 2014;132(10):1178-87.

3. Kemper AR, Wade KC, Hornik CP, Ying GS, Baumritter A, Quinn GE, for the e-ROP cooperative group. Retinopathy of prematurity risk prediction for infants with birth weight less than 1251 grams. J Pediatr 2015;166(2) 257-61.e2.

4. Ying GS, Quinn GE, Wade KC, Repka MX, Baumritter A, Daniel E, for the e-ROP cooperative group. Predictors for the development of referral-warranted retinopathy of prematurity in telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. JAMA Ophthalmol 2015;133(3):304-11.

5. Daniel E, Quinn GE, Hildebrand PL, Ells A, Hubbard GB 3rd, Capone A Jr, Martin ER, Ostroff CP, Smith E, Pistilli M, Ying GS, for the e-ROP cooperative group. Validated system for centralized grading of a retinopathy of prematurity: Telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. JAMA Ophthalmol 2015;133(6):675-82.

6. Quinn GE, for the e-ROP cooperative group. Need for telemedicine in retinopathy of prematurity in middle-income countries-reply. JAMA Ophthalmol 2015;133(3):361-362.

7. Kemper AR, Prosser LA, Wade KC, Repka MX, Ying GS, Baumritter A, Quinn GE, for the e-ROP cooperative group. A comparison of strategies for retinopathy of prematurity detection. Pediatrics 2016;137(1).

8. Karp KA, Baumritter A, Pearson DJ, Pistilli M, Nyquist D, Huynh M, Satnes K, Keith R, Ying GS, Quinn GE, for the e-ROP cooperative group. Training retinal imagers for a retinopathy of prematurity (ROP) screening. J AAPOS 2016;20(3):214-9.

9. Ying GS, Vanderveen D, Daniel E, Quinn GE, Baumritter A; for the telemedicine approaches to evaluating acute-phase retinopathy of prematurity cooperative group. Risk score for predicting treatment-requiring retinopathy of prematurity (ROP) in the telemedicine approaches to evaluating acute-phase ROP study. Ophthalmology 2016; 123(10):2176-82.

10. Quinn GE, Ells A, Capone A Jr, Hubbard GB, Daniel E, Hildebrand PL, Ying GS, for the e-ROP (Telemedicine approaches to evaluating acute-phase retinopathy of prematurity cooperative group). Analysis of discrepancy between diagnostic clinical examination findings and corresponding evaluation of digital images in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity study. JAMA Ophthalmol; 2016;134(11):1263-1270.

11. Morrison D, Bothun ED, Ying GS, Daniel E, Baumritter A, Quinn G, for the e-ROP cooperative group. Impact of number in quality of retinal images in the telemedicine screening program for ROP: Results from the e-ROP study. J AAPOS 2016;20(6):481-485.

12. Daniel E, Ying GS, Siatkowski RM, Pan W, Smith E, Quinn GE, for the e-ROP cooperative group. Intraocular hemorrhages and a retinopathy of prematurity in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. Ophthalmology 2017;124(3):374-381.

13. Gurwin J, Tomlinson LA, Quinn GE, Ying GS, Baumritter A, Binenbaum G, for the postnatal growth and retinopathy of prematurity (G-ROP) study group and the telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) cooperative group. A tiered approach to retinopathy of prematurity screening (TARP) using a weight gain predictive model and a telemedicine system. JAMA Ophthalmol 2017;135(2):131-136.

14. Rogers DL, Bremer DL, Fellows RR, Baumritter A, Daniel E, Pastilli M, Ying GS, Quinn GE, for the e-ROP cooperative group. Comparison of strategies for grading retinal images of premature infants for referral warranted retinopathy of prematurity. J AAPOS 2017;21(2):141-145.

15. Quinn GE, Ying GS, Pan W, Baumritter A, Daniel E; Telemedicine approaches to evaluating acute-phase retinopathy of prematurity cooperative group. Detection of potentially severe retinopathy of prematurity by remote image grading. JAMA Ophthalmol 2017;135(9):982-986.

16. Daniel E, Pan W, Quinn GE, Smith E, Baumritter A, Ying GS; Telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) cooperative group. Single grading vs double grading with adjudication in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity (e-ROP) study. J AAPOS 2018;22(1):32-37.

17. Shaaban S, MacKinnon S, Andrews C, Maconachie GDE, Chan WM, Whitman MC, Morton SU, Yazar S, MacGregor S, Elder JE, Traboulsi EI, Gottlob I, Hewitt AW, Strabismus Genetics Research Consortium, Hunter DG, Mackey DA, Engle EC. Genome-wide association study identifies a susceptibility locus 1 for comitant esotropia. Invest Ophthalmol Vis Sci. 2018; 59(10):4054-64.

18. Wade KC, Ying GS, Baumritter A, Gong A, Kemper AR, Quinn GE; e-ROP Cooperative Group. Factors in premature infants associated with low risk of developing retinopathy of prematurity. JAMA Ophthalmol 2019;137(2):160-166.

19. Cheng QE, Daniel E, Pan W, Baumritter A, Quinn GE, Ying GS; e-ROP Cooperative Group. Plus disease in telemedicine approaches to evaluating acute-phase ROP (e-ROP) study: Characteristics, predictors, and accuracy of image grading. Ophthalmology 2019;126(6):868-875.

20. Crouch ER, Kraker RT; Wallace DK, et al. Secondary 12-Month Ocular Outcomes of a Phase 1 Dosing Study of Bevacizumab for Retinopathy of Prematurity. JAMA Ophthalmol 2020;138(1):14-20.

21. Cheng QE, Quinn GE, Daniel E, Baumritter A, Smith E, Ying GS; e-ROP Cooperative Group. Progression from preplus to plus disease in the Telemedicine Approaches to Evaluating Acute-Phase Retinopathy of Prematurity (e-ROP) Study: incidence, timing, and predictors. J AAPOS 2020;24(6):354.e1-354.e6.

22. Shah AS, Dodd MU, Gokyigit B, et al; NTSLR3NP Study Group. Worldwide outcomes of nasal transposition of the split lateral rectus muscle for strabismus associated with 3rd-nerve palsy. Br J Ophthalmol 2021:bjophthalmol-2021-319667.

23. Oke I, Lorenz B, Basiakos S, et al; NTSLR3NP Study Group. Nasal transposition of the split lateral rectus muscle for strabismus associated with bilateral 3rd-nerve palsy. Am J Ophthalmol 2022;242:165-172.

24. Oke I, Shah AS, Dagi LR. NTSLR3NP Study Group. Extraocular muscle ductions following nasal transposition of the split lateral rectus muscle. Can J Ophthalmol 2022;S0008-4182(22)00329-5.

TEXTBOOKS

1. **Mantagos IS.** Eye Care. In: The Progeria Handbook. 2015. Peabody, MA: The Progeria Research Foundation.
2. Saeed H, **Mantagos IS**, Chodosh J. Amniotic membrane transplantation in Stevens Johnson syndrome. In: Operative Dictations in Ophthalmology. 2017. Silver Spring, MD: Springer.
3. **Mantagos IS.** Eyelid laceration. In: Pediatric Emergency Medicine Question Review Book 2017.
4. **Mantagos IS.** Probe, irrigation, intubation. In Freitag SK, Lee NG, Lefebvre DR, Yoon DR, eds. Ophthalmic Plastics Surgery: Tricks of the Trade. 2019. New York, NY: Thieme Publishers.
5. **Mantagos IS.** Pupillary exam. In Chang I, Zhu L, eds. The Pediatric Eye Exam Quick Reference Guide: Office and Emergency Room Procedures. 2021. Hershey, PA: IGI Global.

ORAL PRESENTATIONS – INTERNATIONAL CONFERENCES

1. Exotropia after hemispherectomy.
   American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2009, San Francisco, CA

2. Pediatric Pink Eye.
   National Association of Pediatric Nurse Practitioners. Annual Meeting. 2013, Boston, MA

3. Evaluation and management of ophthalmic manifestations of SJS.
   New England Dermatologic Society. 2014, Burlington, MA

4. Stevens Johnson syndrome.
   American Association of Certified Orthoptists. Eastern Regional Meeting. 2014. Boston, MA

5. Amniotic membrane transplant for Stevens Johnson syndrome.
   New England Ophthalmologic Society. 2015. Boston, MA

6. Comparison of botulinum toxin versus surgery in the treatment of acute-onset, comitant esotropia in children.
   American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2015. New Orleans, LA.

7. Amniotic membrane transplantation in children.
   American Academy of Ophthalmology – Subspecialty day. Annual Meeting. 2020. Virtual.

8. Top 5 concerns with Pediatric Ophthalmology.
   Frontiers in Surgery. 2021. Waltham, MA.

ORAL PRESENTATION – GREEK CONFERENCES

1. Common ophthalmologic problems in childhood.
   20^{o} Training Seminar of the University of Patras Department of Pediatrics, 2010, Patras Greece

2. Ophthalmic manifestations of childhood diseases.
   Greek Academy of Pediatrics, 2011, Skafidia, Greece

3. Emerging treatments for the management of ROP.
   National Ophthalmological Conference, 2011, Athens, Geece

4. Pediatric Ophthalmology – Strabismus.
   Ophthalmorama, 2021, Vitina, Greece

5. Common ophthalmologic problems in childhood.

Vernal Pediatric Conference, 2022, Chania, Greece

6. Latest developments in the management of retinopathy of prematurity.
   10η Scientific Conference – Iaso, 2022, Athens, Greece

7. Vision problems in premature babies.
   Greek Academy of Pediatrics, 2022, Patras, Greece

8. Ocular surface inflammation
   2ο Conference of the Hellenic Association of Ocular Inflammation and Dry Eye, 2022, Athens, Greece

9. Strabismus advanced – Management of difficult cases
   15η Workshop of the Hellenic Association of Pediatric Ophthalmology and Strabismus, 2022, Athens, Greece

10. Amblyopia and glasses prescription writing in children. Case management.
    56ο National Ophthalmologic Conference, 2023, Ioannina, Greece

11. Questions that have been answered regarding ROP over time through large multicenter trials.
    Retinopathy of Prematurity Workshop, 2023, Athens, Greece

12. Workshop in Pediatric Ophthalmology
    Annual Scientific Conference of the Ophthalmic Association of Central Greece, 2023, Larisa, Greece

POSTER PRESENTATIONS

1. **Mantagos I**, Daly M, Letugo P. Efficacy of ophthalmic surgical simulator training and analysis of simulated surgical performance among different surgeon grades. *American Academy of Ophthalmology*. Annual Meeting. 2007. New Orleans, LA

2. Ramasubramanian A, **Mantagos IS**, Vanderveen DK. Corneal endothelial cell characteristics after pediatric cataract surgery. *American Association for Pediatric Ophthalmology and Strabismus.* Annual Meeting. 2011. San Diego CA.

3. Sadiq MA, **Mantagos IS**. Characteristics of eyelid laceration due to dog bite in children. *The Association for Research in Vision and Ophthalmology*. Annual Meeting. 2013. Seattle WA.

4. Wan MJ, Kazlas MA, Wu CS, Hunter DG, **Mantagos J**, Shah A. Botulinum toxin-augmented surgery compared to conventional surgery in the treatment of large-angle infantile esotropia.
   American Academy of Ophthalmology. Annual Meeting. 2014. Chicago, IL.

5. Gilbert A, Wan MJ, Kazlas MA, Wu CS, Hunter DG, **Mantagos IS**, Shah AS. Botulinum toxin-augmented strabismus surgery versus conventional surgery in the treatment of large-angle infantile esotropia.
   North American Neuro-Ophthalmology Society. Annual Meeting. 2015. San Diego, CA.

6. Rajabi F, **Mantagos IS**, Chen T, et al. Congenital cataract and hammer toe: Oculofaciocardiodental syndrome associated with a novel *BCOR* mutation.
   American College of Medical Genetics and Genomics. Annual Meeting. 2015. Salt Lake City, UT.

7. Gilbert A, Wan MJ, Kazlas MA, Wu CS, Hunter DG, **Mantagos IS**, Shah AS. Botulinum toxin-augmented strabismus surgery versus conventional surgery in the treatment of large-angle infantile esotropia.
   The Association for Research in Vision and Ophthalmology. Annual Meeting. 2015. Denver, CO.

8. Ma K, Thanos A, Shah AS, **Mantagos J**. An acute damage score to guide surgical intervention in ocular Stevens-Johnson syndrome.
   The Association for Research in Vision and Ophthalmology. Annual Meeting. 2015. Denver, CO.

9. Ma K, Thanos A, Shah AS, **Mantagos J**. An acute damage score to guide surgical intervention in ocular Stevens-Johnson syndrome.
   New England Ophthalmological Society. 2015. Boston, MA.

10. Timerman D, **Mantagos IS**, Nambudiri VE, et al. Rare complication of postoperative tachycardia, hyperthermia, and elevated CK in pediatric Stevens-Johnson syndrome.
    American Academy of Dermatology. Annual Meeting. 2015. New York, NY.

11. Eldweik L, **Mantagos IS**, Shah AS. Institutional review of ocular problems evaluated and managed by the ophthalmology consultation service of a university teaching hospital.
    American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2016. Vancouver, Canada.

12. Koo EB, Gaier E, **Mantagos IS**, Shah AS. Incidence and risk factors of cytomegalovirus (CMV) retinitis at Boston Children's Hospital.
    American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2016. Vancouver, Canada.

13. Oke I, **Mantagos IS**, Shah AS. Long-term visual sequelae in children with abusive head trauma.
American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2016. Vancouver, Canada.

14. **Mantagos IS**. Ophthalmic manifestations of Progeria.
Progeria Research Foundation. International Scientific Workshop. 2016. Boston, MA.

15. **Mantagos IS**, Wu C, Winter T, Vanderveen DK. Mortality rate for premature infants treated for ROP with intravitreal anti-Vascular Endothelial Growth Factor (VEGF) medication vs retinal ablative surgery.
American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2017. Nashville, TN.

16. Dodd MMU, Shah A, **Mantagos J**, Gokyigit B, Hunter D, Dagi L. Long term outcomes of adjustable nasal transposition of split lateral rectus muscle for third nerve palsy – An international perspective.
American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2018, Washington, DC.

17. Oatts JT, **Mantagos IS**, Vanderveen DK. Outcomes of zone I retinopathy of prematurity.
American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2018. Washington, DC.

18. Wan MJ, Gilbert A, Kazlas M, Wu C, **Mantagos IS**, Hunter DG, Shah AS. Botulinum toxin-augmentation of strabismus surgery in large-angle, infantile esotropia.
American Association for Pediatric Ophthalmology and Strabismus. Annual Meeting. 2018. Washington, DC.

19. Gotti G, Kay-Green S, Blonquist TM, **Mantagos IS**, Silverman LB, Place AE. Prognostic impact of ophthalmic evaluation in newly diagnosed childhood acute lymphoblastic leukemia.
The American Society of Pediatric Hematology/Oncology. Annual Meeting. 2019. New Orleans, LA

20. Andzelm MM, Stredny CM, Chang MH, Dedeoglu F, **Mantagos IS**, Gorman MP. Anti-NMDA receptor encephalitis in a patient with juvenile idiopathic arthritis (JIA) on abatacept.
Joint 16th International Child Neurology Congress (ICNC) & 49th Annual Meeting Child Neurology Society (CNS) Meeting. 2020. Virtual.

21. Elhusseiny AM, Traish AS, Saeed HN, **Mantagos IS**. Topical cenegermin 0.002% for pediatric neurotrophic keratopathy.
American Society of Cataract and Refractive Surgery. Annual Meeting. 2022. Washington, DC.

22. Curran AL, Vanderveen D, **Mantagos I**, Wu C, Akula JD, Fulton AB. Light-adapted electroretinographic (ERG) responses to full-field stimuli in children treated for retinopathy of prematurity (ROP).
Association for Research in Vision and Ophthalmology. Annual Meeting. 2022. Denver, CO.

23. Wiecek EK, Akula J, Vanderveen D, **Mantagos I**, Wu C, Curran AL, Fulton AB. Development of anisometropic amblyopia in children treated for type I retinopathy of prematurity.
The Association for Research in Vision and Ophthalmology. Annual Meeting. 2022. Denver, CO.

INVITED ORAL PRESENTATIONS

1. Congenital pupillary-iris-lens membrane and goniodysgenesis.
Massachusetts Eye and Ear Infirmary. 2008. Boston, MA
2. Exotropia after hemispherectomy.
Massachusetts Eye and Ear Infirmary. 2008. Boston, MA
3. Retinopathy of prematurity – Emerging treatments.
Massachusetts Eye and Ear Infirmary. 2009. Boston, MA
4. Ocular manifestations of progeria.
Longwood Medical Area Ophthalmology Conference. 2010. Boston, MA
5. Pediatric Ophthalmology review.
Osler Institute. 2011. Natick, MA
6. Ophthalmic management of Stevens Johnson syndrome.
Boston University. 2012. Boston MA
7. Children's vision screening.
Pediatric Physician's Organization at Children's. 2013. New Bedford, MA
8. Management of acute Stevens Johnson Syndrome.
Tianjin Eye Hospital. 2013, Tianjin, China.
9. Advances in the management of Retinopathy of Prematurity.
Tianjin Eye Hospital. 2013, Tianjin, China.
10. Abusive Head Trauma.
Tianjin Eye Hospital. 2013, Tianjin, China
11. Management of acute Stevens Johnson syndrome/toxic epidermal necrolysis in children.
Harvard Ophthalmology Alumni Meeting. 2014. Boston, MA
12. Update on ocular manifestations of progeria.
Longwood Medical Area Ophthalmology Conference. 2015. Boston, MA
13. Stevens Johnson syndrome/toxic epidermal necrolysis in children: Special considerations.
Loyola University. 2015. Chicago, IL.
14. Ophthalmology for the Pediatrician.
Milton Pediatrics. 2018. Milton, MA
15. When to refer to Ophthalmology.
HVMA Pediatrics. 2018. Cambridge, MA
16. Acute comitant esotropia.
Ophthalmology insights for primary care providers. 2018. Waltham, MA

17. Update on retinopathy of prematurity.
Beth Israel Deaconess Medical Center – Department of Neonatology. 2021. Boston, MA

ON-LINE WORKSHOPS

2011 Aligning the Eyes
OR live Webinar
https://www.youtube.com/watch?v=D3brerlBzuA
Webinar regarding the management of Duane syndrome using the latest surgical techniques.

2014 Retinal hemorrhages in Abusive Head Trauma
OPENPediatrics Webinar
www.openpediatrics.com
Webinar about the ophthalmic findings in abusive head trauma.

TEACHING

2009 – 2021 Weekly outpatient clinic and surgical training of ophthalmology residents and pediatric ophthalmology fellows, consisting of 12 residents from Harvard University and Boston University and 3 fellows from Harvard University.

2011 – 2021 Associate Residency Site Director. Boston Children's Hospital – Harvard Medical School.

2012 – 2021 Patient – Doctor II, Harvard Medical School
Yearly workshop introducing Harvard Medical students to the eye exam

2014 – 2015 Associate Pediatric Ophthalmology Fellowship Director.
Boston Children's Hospital – Harvard Medical School.

2015 – 2021 Pediatric Ophthalmology Fellowship Director.
Boston Children's Hospital – Harvard Medical School.
Responsible for recruiting and clinical education of 17 fellows to date in pediatric ophthalmology and adult strabismus. The majority of the graduates remained in academic medicine at major teaching institutions in the United States, such as:

- Charlotte Gore, MD – Assistant Professor of Ophthalmology, University of California, Irvine
- Pavlina Kemp, MD – Assistant Professor of Ophthalmology, University of Iowa
- Euna Koo, MD – Assistant Professor of Ophthalmology, Stanford University
- Maanasa Indaram, MD – Assistant Professor of Ophthalmology, University of California, San Francisco
- Julius Oatts, MD – Assistant Professor of Ophthalmology, University of California, San Francisco
- Jefferson Doyle, MD, PhD – Assistant Professor of Ophthalmology, Johns Hopkins University
- Eric Gaier, MD, PhD – Assistant Professor of Ophthalmology, Harvard Medical School

2018 – today Jamaica Hospital Medical Center, Queens, NY
Creating a comprehensive educational program in pediatric ophthalmology for residents, consisting of teaching sessions every 2 weeks:
-Clinical examination of children
-Refractive errors and glasses prescribing in children
-Amblyopia

-Esotropia
-Exotropia
-Vertical strabismus
-Botox for the management of strabismus
-Congenital ptosis
-Orbital cellulitis
-Nasolacrimal duct disorders
- Stevens-Johnson syndrome
-Ocular trauma
-Pediatric cataracts
-Pediatric glaucoma
-Nystagmus
-Visual field defects in children
-Neuro-ophthalmic disease in children
-Ophthalmic findings in abusive head trauma
-Retinopathy of prematurity
-Retinoblastoma
-Inherited retinal degenerations

2022 Hellenic Ophthalmological Society
On-line lectures for residents:
-Congenital and pediatric cataracts
-Abusive head trauma

2022 Aristotle University of Thessaloniki
Graduate Program in Ophthalmic Surgery
-Surgical management of strabismus in children

AWARDS

2010 Robert A. Petersen – Resident Teaching Award
Department of Ophthalmology, Boston Children's Hospital
Award given to the best resident clinical teacher of the year

2015 Communication Award
The Association for Research in Vision and Ophthalmology
Award for the research poster: An acute damage score to guide surgical intervention in ocular Stevens-Johnson syndrome

2015 Hecht Award
New England Ophthalmological Society
Award for the research poster: An acute damage score to guide surgical intervention in ocular Stevens-Johnson syndrome

2015 Faculty Innovation Award
Medical Staff Organization – Boston Children's Hospital
Award and funding ($5,000) of an innovative research project for the creation of a bio-repository for patients with Stevens Johnson syndrome and toxic epidermal necrolysis

2015 Robert A. Petersen – Resident Teaching Award
Department of Ophthalmology, Boston Children's Hospital
Award given to the best resident clinical teacher of the year

2016 Best in Show Award
American Association for Pediatric Ophthalmology and Strabismus
Award for the research poster: Long-term visual sequelae in children with abusive head trauma

2017 Robert A. Petersen – Resident Teaching Award
Department of Ophthalmology, Boston Children's Hospital
Award given to the best resident clinical teacher of the year

SCHOLARSHIPS

2003 "Hygeia" Scholarship
New England Hellenic Medical and Dental Society