

CURRICULUM VITAE

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Personal Data

Date of Birth	06 April 1985
Place of Birth	Seoul, Republic of Korea
Citizenship	Republic of Korea
GCP training	20 May 2022

Education

2004-2010	M.D., Yonsei University College of Medicine
2011-2014	Certification of Ophthalmologist, Samsung Medical Center
2013-2015	Master of Medical Science, Sungkyunkwan University Graduate School
2020-2024	Ph.D. in Medical Science (Preventive Medicine), Seoul National University Graduate School
2020-2022	Integrated major in innovative medical science, Seoul National University Graduate School

Professional Experience

2009	Visiting student, Keio University Hospital
2011-2014	Residency in Ophthalmology, Samsung Medical Center
2014	Visiting doctor, New York Eye and Ear infirmary
2015	Research Fellowship, Samsung Medical Center
2016-2018	Pediatric strabismus & neuro-ophthalmology Fellowship, Samsung Medical Center
2019	Clinical assistant professor, Myongji Hospital, Hanyang University College of Medicine
2020-	Assistant professor, Myongji Hospital, Hanyang University College of Medicine
2024-	Postdoctoral Research fellow, Boston Children's Hospital

Medical Licence

South Korea (March 2010), License number: 102767

Board Certification

Ophthalmology (March 2015), Board number: 3430

Memberships in Professional Societies

Member, The Korean Ophthalmological Society
Member, The Korean Pediatric Ophthalmology Society
Member, The Korean Neuro-ophthalmology Society
Member, Asia Pacific Academy of Ophthalmology (APAO)
Member, American Academy of Ophthalmology (AAO)
Staff, Big Data Clinical Utilization Research Study Group in South Korea
Advisory Board, Preschool Blindness Prevention Project in South Korea

Awards

1. The Best Scientific Poster Award from Korean Preventive medicine Society (2021)
2. The Best Scientific Poster Award from Academic festival, Integrated major in innovative medicine, Seoul National University Graduate School (2021)
3. The Best Presentation Award from Korea-China-Japan ophthalmology Society (2022)
4. The Best Presentation Award from Korean Epidemiology Society (2022)
5. The Best Academic Awards from Korean Pain Society (2023)

Report of funded project

Laboratory Research

2019.11-2020.10	Surgical Risk Prediction for Nasolacrimal Duct Obstruction in Radioactive Iodine-Treated Thyroid Cancer [PI]- Faculty grant form Myongji Hospital (1902-09-01)
2022.07-2023.06	Risk of all-cause mortality in patients with thyroid eye disease: a nationwide cohort study [PI]- Faculty grant form Myongji Hospital (2201-03-04)
2022.03-	Establishment of pediatric optic neuritis network and establishment of standard guidelines – multicenter study [Co]- Child cancer and rare disease project
2020.06-2023.08	Smart device use in childhood and the effect on ocular development [PI] -National Research Foundation of Korea (NRF) Grant from the Korean Government (MSIT) (2020R1F1A1072264)
2023.07-2024.06	Clinical association between cardiac diseases, deep vein thrombosis and retinal vascular occlusive disease : a nationwide Korean cohort study [PI]- Faculty grant form Myongji Hospital (2301-03-01)

Clinical Research

2023.06-2023.09

Occupational color vision requirements for police officers
[PI] – Korean National Police Agency (2304-06-01)

Peer-Reviewed Journal Articles

1. **Lee JY**, Cho HK, Kee CW. Assessment of the Vision-Specific Quality of Life Using Binocular Esterman Visual Field in Glaucoma Patients.
J Korean Ophthalmol Soc 2013 Oct 054(10): 1567-1572.
2. **Lee JY**, Seok S, Oh SY. A case of cyclic esotropia with menstrual cycle.
Acta Ophthalmol. 2014 May;92(3):e246-7.
3. Park KA, **Lee JY**, Oh SY. Reproducibility of horizontal extraocular muscle insertion distance in anterior segment optical coherence tomography and the effect of head position.
J AAPOS. 2014 Feb;18(1):15-20
4. **Lee JY**, Lim DH, Jung CW, Kim SJ. Radiation Therapy for Central Retinal Vein Occlusion with Macular Edema in Acute Lymphocytic Leukemia.
J Korean Ophthalmol Soc 2015 Jan 056(01): 134-137.
5. **Lee JY**, Woo KI, Suh YL, Kim YD. The role of entrapped cilia on the formation of lacrimal ductular cysts.
Jpn J Ophthalmol. 2015 Mar;59(2):81-5.
6. Lee JY, Yoo AR, **Lee JY**, Lim DH, Kim JY, Kim MJ, Chung TY, Chung ES, Tchah HW. Comparison of Intracorneal Inlay for Presbyopia Correction: Hydrogel and Small-Aperture Inlays with a Six- Months Follow-Up.
J Korean Ophthalmol Soc 2015 Dec 056(12): 1840-1847.
7. Lyu IJ, **Lee JY**, Kong M, Park KA, Oh SY. Surgical Responses of Medial Rectus Muscle Recession in Thyroid Eye Disease-Related Esotropia.
PLoS One. 2016 Jan 21;11(1):e0146779.
8. **Lee JY**, Bae K, Park KA, Lyu IJ, Oh SY. Correlation between Extraocular Muscle Size Measured by Computed Tomography and the Vertical Angle of Deviation in Thyroid Eye Disease.
PLoS One. 2016 Jan 28;11(1):e0148167
9. Eo DR, Lim DH, Hyun J, **Lee JY**, Lim HW, Oh JE, Chung ES, Chung TY. Effects of Continuous Curvilinear Capsulorhexis, Intraocular Lens Decentration and Tilt on Clinical Outcomes.
J Korean Ophthalmol Soc 2016 Apr 057(04): 575-581
10. **Lee JY**, Cho K, Park KA, Oh SY. Analysis of Retinal Layer Thicknesses and Their Clinical Correlation in Patients with Traumatic Optic Neuropathy.

PLoS One. 2016 Jun 13;11(6):e0157388.

11. **Lee JY**, Lee EJ, Park KA, Oh SY. Correlation between the Limbus-Insertion Distance of the Lateral Rectus Muscle and Lateral Rectus Recession Surgery in Intermittent Exotropia. *PLoS One. 2016 Jul 27;11(7):e0160263*

12. **Lee JY**, Hwang S, Oh SY, Park KA, Oh SY. Postoperative Change in Ocular Torsion in Intermittent Exotropia: Relationship with Postoperative Surgical Outcomes. *PLoS One. 2016 Sep 13;11(9):e0162819.*

13. Bae K, **Lee JY**, Kim TH, Cho GE, Ahn J, Kim SJ, Kim JH, Kang SW. Anterior Diabetic Retinopathy Studied by Ultra-widefield Angiography. *Korean J Ophthalmol. 2016 Oct;30(5):344-351.*

14. Oh SY, **Lee JY**, Park KA, Oh SY. Long-Term Changes in Refractive Error and Clinical Evaluation in Partially Accommodative Esotropia after Surgery. *PLoS One. 2016 Dec 9;11(12):e0166695*

15. **Lee JY**, Park KA, Woo KI, Kim YD, Oh SY. Surgical outcomes of unilateral recession-resection for vertical strabismus in patients with thyroid eye disease. *JAAPOS. 2017 Feb;21(1):19-22*

16. Son DY, Park KA, Seok SS, **Lee JY**, Oh SY. Initial Pattern of Optic Nerve Enhancement in Korean Patients with Unilateral Optic Neuritis. *Korean J Ophthalmol. 2017 Feb;31(1):71-79*

17. **Lee JY**, Min JH, Han SH, Han J. Transient neonatal myasthenia gravis due to a mother with ocular onset of anti-muscle specific kinase myasthenia gravis. *Neuromuscul Disord. 2017 Jul;27(7):655-657*

18. **Lee JY**, Eo DR, Park KA, Oh SY. Choroidal thickness in traumatic optic neuropathy. *Curr Eye Res. 2017 Sep 22:1-6.*

19. **Lee JY**, Park KA, Oh SY. Prevalence and incidence of non-arteritic anterior ischaemic optic neuropathy in South Korea: a nationwide population-based study. *Br J Ophthalmol. 2017 Sep 28. doi: 10.1136/bjophthalmol-2017-311140*

20. Kim JM, Lee EJ, Cho GE, Bae K, **Lee JY**, Han G, Kang SW. Delayed Absorption of Subretinal Fluid after Retinal Reattachment Surgery and Associated Choroidal Features. *Korean J Ophthalmol. 2017 Oct;31(5):402-411*

21. **Lee JY**, Lee GI, Park KA, Oh SY. Long-term evaluation of two reoperation groups for intermittent exotropia. *JAAPOS. 2017 Oct;21(5):349-353*

22. **Lee JY**, Park KA, Lyu IJ, Oh SY. Postoperative change in lateral rectus muscle insertion measured by anterior segment optical coherence tomography. *Eye (Lond). 2017 Nov;31(11):1556-1561.*

23. **Lee JY**, Park KA, Oh SY., Risk of Ischemic Kidney Injury in Patients With Nonarteritic Anterior Ischemic Optic Neuropathy: A Nationwide Population-based Study. *Am J Ophthalmol.* 2018 Mar;187:153-157
24. **Lee JY**, Choi JH, Park KA, Oh SY. Ganglion Cell Layer and Inner Plexiform Layer as Predictors of Vision Recovery in Ethambutol-Induced Optic Neuropathy: A Longitudinal OCT Analysis. *Invest Ophthalmol Vis Sci.* 2018 Apr 1;59(5):2104-2109
25. **Lee JY**, Han J, Seo JG, Park KA, Oh SY. Diagnostic value of ganglion cell-inner plexiform layer for early detection of ethambutol-induced optic neuropathy. *Br J Ophthalmol.* 2019 Mar;103(3):379-384
26. **Lee JY**, Park KA, Oh SY. Lateral rectus muscle recession for intermittent exotropia with anomalous head position in type 1 Duane's retraction syndrome. *Graefes Arch Clin Exp Ophthalmol.* 2018 Dec;256(12):2467-2471
27. **Lee JY**, Cho K, Choi DD, Park KA, Woo KI, Kim YD, Oh SY. Superior rectus muscle insertion injury following cosmetic upper lid blepharoplasty: a case report. *BMC Ophthalmol.* 2018 Jul 31;18(1):187
29. **Lee JY**, Lim HW, Yoon J, Oh JE, Park KA, Oh SY. Comparison of the efficiency of various muscle transposition procedures using a novel three-dimensional model. *PLoS One.* 2018 Sep 18;13(9):e0204078
30. **Lee JY**, Kim HJ, Park KA, Oh SY, Oh SY. Clinical characteristics according to the laterality of ocular torsion in unilateral superior oblique palsy. *BMC Ophthalmol.* 2018 Dec 17;18(1):325.
31. **Lee JY**, Han J, Yang M, Oh SY. Population-based Incidence of Pediatric and Adult Optic Neuritis and the Risk of Multiple Sclerosis. *Ophthalmology.* 2020 Mar ;127(3):417-425
32. Lee HJ, Kim H, **Lee JY**. Diagnosis and management of three optic neuropathies: a national survey *Graefes Arch Clin Exp Ophthalmol.* 2020 Sep;258(9):1975-1981. doi: 10.1007/s00417-020-04711-x. Epub 2020 May 6.
33. **Lee JY**, Kim JP, Jang H, Kim J, Kang SH, Kim JS, Lee J, Jung YH, Na DL, Seo SW, Oh SY, Kim HJ. Optical coherence tomography angiography as a potential screening tool for cerebral small vessel diseases *Alzheimers Res Ther.* 2020 Jun 11;12(1):73. doi: 10.1186/s13195-020-00638-x.
34. J Han, SY Park, **Lee JY**, Nationwide population-based incidence and etiologies of pediatric and adult Horner syndrome, *J Neurol.* 2021 Apr;268(4):1276-1283
34. **Lee JY**, Bae K. RISK OF EXUDATIVE AGE-RELATED MACULAR

DEGENERATION IN PATIENTS WITH CENTRAL SEROUS CHORIORETINOPATHY: A Nationwide Cohort Study. *Retina*. 2022 May 1;42(5):852-858.

35. Lee JY, Bae K. Reply. *Retina*. 2023 Apr 1;43(4):e24-e25.

36. Lee JY, Woo KI. Surgical Risk Prediction for Nasolacrimal Duct Obstruction in Radioactive Iodine-Treated Thyroid Cancer: A Nationwide Cohort Study. *Thyroid*. 2022 May;32(5):544-551. doi: 10.1089/thy.2021.0418. Epub 2022 Jan 11.

37. Lee JY, Jeong HN. Nationwide incidence of myotonic dystrophy type 1 and the status of multi-organ involvement. *J Neurol*. 2022 May;269(5):2666-2672. doi: 10.1007/s00415-021-10875-1. Epub 2021 Oct 26.

38. Wang LL, Kwon JW, Lee JY. Allergic conjunctivitis increases the likelihood of undergoing eyelid incision surgery in pediatric and adolescent patients. *Sci Rep*. 2022 Apr 6;12(1):5738. doi: 10.1038/s41598-022-09668-x.

39. Lee JY, Lee S, Park SK. Genetic causal inference between amblyopia and perinatal factors. *Sci Rep*. 2022 Oct 27;12(1):18050. doi: 10.1038/s41598-022-22121-3.

40. Lee JY, Hong JH, Lee S, An S, Shin A, Park SK. Binary cutpoint and the combined effect of systolic and diastolic blood pressure on cardiovascular disease mortality: A community-based cohort study. *PLoS One*. 2022 Jun 30;17(6):e0270510. doi: 10.1371/journal.pone.0270510. eCollection 2022.

41. Lee JY, Kim KS, Lee S, An WJ, Park SK. Clinical traits and systemic risks of familial diabetes mellitus according to age of onset and quantity: an analysis of data from the community-based KoGES cohort study. *Epidemiol Health*. 2023;45:e2023029.

42. Jeong J, Rand GM, Lee JY, Kwon JW. Novel limbal dermoid surgery for visual acuity and cosmesis improvement: A 7-year retrospective review. *PLoS One*. 2023 Jun 2;18(6):e0286250.

43. Lee JY, Lee G, Cho HR. Nationwide-incidence and trends of fibromyalgia in South Korea: a population-based study, *Rheumatology International*, 2023 Nov;43(11):2049-2056

44. Lee JY, Park SY, Sohn SY. Increased risk of incident gout in patients with hyperthyroidism: a nationwide retrospective cohort study, *Rheumatol Int*. 2023 Aug 18. doi: 10.1007/s00296-023-05423-1. Online ahead of print.

45. Lee G, Cho HR, Lee JY. Increased risk of optic neuritis in patients with Fibromyalgia: nationwide population-based cohort study in South Korea, *Am J Ophthalmol*. 2024 Jan;257:76-83.

46. Lee JY, Kim SJ, Kim H, Systemic evaluation of the risk of reoperations in pediatric populations with exotropia and esotropia: nested case-control study, *Sci Rep*. 2023 Aug 1;13(1):12463. doi: 10.1038/s41598-023-39547-y.

47. Son SY, Park SY, Kwon JW, Kweon JM, **Lee JY**. Risk of non-thyroidal autoimmune diseases in patients with Graves' disease: a nationwide retrospective cohort study. *Rheumatology* 2024 Jan 5:kead708
48. **Lee JY**, Kim KS, Bae K. Contemporary Patterns and Underlying Causes of Vitrectomy in Pediatric and Adolescent Patients: A Nationwide, Population-Based Analysis. *Am J Ophthalmol.* 2024 May;261:28-35
49. **Lee JY**, Lee MK, Lee JH, Kim K, Bae K, Sohn SY. Cancer Risks of Patients with Graves' Disease Who Received Antithyroid Drugs as Initial Treatment: A Nationwide Population-Based Analysis. *Thyroid*, 2024 Oct;34(10):1271-1279.
50. **Lee JY**, Bae K, Lee S, Park SK. Nationwide trends and incidence of blindness in patients with diabetic retinopathy identified using an age-period-cohort analysis. *Eye (Lond)*. 2024 Oct 28.