

CURRICULUM VITAE
HYEONG GON YU, M.D., Ph. D.
Professor of Department of Ophthalmology

Date Prepared: May 3, 2018

Name: Hyeong Gon Yu

Official position and Address: Professor of Seoul National University College of Medicine and Seoul National University Hospital, 101 Daehak-ro, Jongno-gu, Seoul 03080

Work Phone: 82-2-2072-2437

Work Email: hgonyu@snu.ac.kr

Work Fax: 82-2-741-3187

Citizenship: South Korea

Education

March 1985 – February 1991

Doctor of Medicine

Seoul National University, College of Medicine

Honors: **Ranked Number One in Graduating Class (President Award)**

March 1995 – February 1998

Master of Medical Science (Biology)

Seoul National University Graduate School

March 2000 – February 2002

Ph.D. in Medical Science (Ocular immunology)

Seoul National University Graduate School

Postdoctoral Training

March 1991 - February 1992

Internship at Seoul National University Hospital

March 1992 - February 1996

Ophthalmology Residency

Seoul National University Hospital

(Awarded **Best Resident of the Year 1996**)

March 1997 – February 1998

Clinical fellowship in Retina

Seoul National University Hospital

March 1998 – February 1999

Research fellowship in ocular immunology

Allergy and Clinical Immunology department, Medical Research Institute, Seoul National University

September 2004 – August 2005

Visiting scholar/ a research fellow: Harvard Medical School and Massachusetts Eye & Ear Infirmary

Medical License: Korea (March 1991), License number: 43204

Board Certification: Ophthalmology (March 1996), Board number: 1204

Faculty Academic Appointments:

03/1999-02/2001	Assistant Professor of	Ophthalmology	Inje University
03/2001-09/2004	Assistant Professor of	Ophthalmology	Seoul National University
10/2004-09/2009	Associate Professor of	Ophthalmology	Seoul National University
10/2009-12/2013	Professor of	Ophthalmology	Seoul National University
01/2014-	Professor of Ophthalmology (Tenure)		Seoul National University

Appointments at Hospitals/Affiliated Institutions:

03/1996-02/1997	Army	Surgeon	Korean Army
03/1999-02/2001	Assistant Professor of	Ophthalmology	Inje University Sanggye Paik Hospital
03/2001-09/2004	Assistant Professor of	Ophthalmology	Seoul National University Hospital
10/2004-09/2009	Associate Professor of	Ophthalmology	Seoul National University Hospital

Current Major Administrative Leadership Position

1. President of the Korean Association of Retinal Degeneration (www.kard.or.kr): 2015~present
2. Secretary General of Korean Retina Society: 2015. Dec ~ present
3. Chair, Department of Experimental Animal Research, Seoul National University Hospital Biomedical Research Institute: 2016. June ~ present
4. Chief of Retina and Uveitis, Department of Ophthalmology, Seoul National University Hospital: 2015 ~ present

Clinical experiences

- For the last 10 years, over 7,000 vitrectomy and over 10,000 intraocular surgeries were done. Many of them are diabetic retinopathy and retinal detachment.
- More than 200 papers including clinical papers about vitreoretinal surgery and research papers on experimental uveitis and retinopathy were published.
- Supervised many international fellows from Iraq, Mongolia, Singapore, and Japan to learn vitreoretinal surgery.

Committee, Academic Society, Journals

1. Member of Macula Society (Elected in 2016)
2. Member of IUSG (international uveitis study group, Elected in 2010)
3. IRB in Seoul National University and Seoul National University College of Medicine: 2006 – present
4. Institutional Animal Care and Use Committee (IACUC) in clinical research center of Seoul National University Hospital: 2006- present
5. Board member of Korean Behcet's disease Society: 2006-present (current role: Treasury)
6. Board member of Korean Retina Society: 2012-present (current role: Secretary General)
7. Board member of Korean Uveitis Society, Korean Ocular Infection Society
8. Council of ISBD (international society of Behcet disease): 2014-present
9. Faculty and coordinator of APVRS (asia-pacific vitreoretinal society): 2015-present
10. Editorial Board of "Journal of Ophthalmology"(www.hindawi.com/journals/joph/): 2015-present
11. Editorial Board of "Retinet" from Korean Retina Society: 2016 -present
12. Editorial Board of "Trends in Retina" from Korean Elsevier: 2015- present

Awards

1. Seoul Mayer Academic Award (1985)
2. President Award from Seoul National University (1991)
3. The first Academic Award from Korean Retina Society (2005)
4. The Best Paper Award from Korean Ophthalmology Society (2005)
5. The Academic Award from Korean Retina Society (2011)
6. SNUH Academic Award (Myung Joo-Wan award) from Seoul National University Hospital (2015)
7. Distinguished Service Award from Asia Pacific Academy of Ophthalmology (2016)

Report of Funded Projects

Past

- | | |
|--------------------|---|
| 2002.5.1-2004.8.31 | Novel treatments for Age-related macular degeneration and Diabetic Retinopathy
Ministry for Health and Welfare
PI |
| 2005.5.1-2011.3.31 | Development of nano artificial vision
Ministry for Health and Welfare
Co-PI |
| 2006.6.1-2007.1.31 | Recruitment of Retinitis pigmentosa family for gene analysis
Centers for Disease Control & Prevention
PI |
| 2006.7.1-2009.1.31 | Analysis of Dendritic cells in Endogenous Uveitis |

- Seoul National University Research Fund
PI
- 2008.5.1-2012.3.31 Genetic analysis for age-related macular degeneration and retinitis pigmentosa
Ministry for Health, Welfare and Family Affairs
PI
- 2008.5.1-2012.4.30 Development of biomarker for early diagnosis of diabetic retinopathy
Ministry of Education and Science Technology
Co-PI
- 2008.8.1-2012.3.31 Algorithm development for clinical decision in Korean Behcet patients
Centers for Disease Control & Prevention
Co-PI
- 2009.9.1-2012.8.31 The establishment of fundamental technologies for development of human embryonic stem cell-based cell therapy for retinal degeneration
Ministry of Education and Science Technology
PI
- 2010.2.8-2010.12.7 Extention study of Retinitis pigmentosa family recruitment
Ministry for Health, Welfare and Family Affairs
PI
- 2010.4.1-2011.12.31 Profiling of Retinal Proteoms
Seoul National University Research Fund
PI
- 2011.7.1- 2012.6.30 Analysis of serum lipid and apo-protein in age-related macular degeneration
Seoul National University Research Fund
PI
- 2012.5.1- 2013.4.30 Discovery of biomarker for age-related macular degeneration by plasma proteome analysis
Seoul National University Research Fund
PI
- 2012.5.7-2015.10.31 Investigation on the safety and the efficacy of off-label use of unapproved drug
Ministry of Food and Drug Safety
PI

Current

- 2013.07.30-2018.03.31 Outcomes of intravitreal aflibercept (Eylea®) treatment for treatment-naïve contralateral eyes with neovascular age-related macular degeneration in patients whose treatment failed intravitreal ranibizumab in the first eye
Bayer
PI
항혈관내피세포성장인자항체 치료에 실패한 습성 나이관련황반변성 환자에서 반대안에 발생한 새로운 맥락막신생혈관에 대한 aflibercept (Eylea®) 유리체내 투여의 결과 분석
바이엘(Bayer)
연구책임자
- 2014.07.15-2017.09.30 A randomized, double-masked, sham-controlled phase 3b/4 study of the efficacy, safety, and tolerability of intravitreal aflibercept monotherapy compared to aflibercept with adjunctive photodynamic therapy as indicated in subjects with polypoidal choroidal vasculopathy (Aflibercept in polypoidal choroidal vasculopathy) (PLANET)
Bayer
PI
결절성 맥락막 혈관병증 시험대상자에서 애플리버셉트(aflibercept)와 적응증에 따른 보조광역학요법의 병용과 비교한 유리체 내 애플리버셉트(aflibercept) 단일 요법의 유효성, 안전성, 내약성에 대한 무작위배정, 이중눈가림, 위요법 대조, 제 3b/4 상 시험(PLANET)
바이엘(Bayer)
연구책임자

- 2015.06.02-2025.06.01 Efficacy and safety of Maquaid(Triamcinolone acetonide) in patients with diabetic macular edema
Hanmi Pharm. Co., Ltd.
PI
당뇨황반부종 환자에서 마카이드주(트리암시놀론 아세토니드)의 효용성 및 안정성 평가
한미약품
연구책임자
- 2015.10.02-2019.01.18 A two-year, randomized, double-masked, multicenter, two-arm study comparing the efficacy and safety of RTH258 6mg versus Aflibercept in subjects with neovascular age-related macular degeneration
Novartis
PI
신생혈관 연령-관련 황반변성 환자를 대상으로 RTH258 6mg의 유효성과 안전성을 Aflibercept와 비교한 2년 간의 무작위배정, 이중눈가림, 다기관, 2개군 임상시험
노바티스
연구책임자
- 2015.11.01-2019.10.31 Technical development of nanosystem-based technology for drug therapy preventing side effects after cataract surgery
Hyundai IBT. Co., Ltd.
PI
백내장 수술 후 부작용 방지를 위한 나노약물전달 시스템 제품화 기술개발
(주)현대아이비티
연구책임자
- 2015.11.01-2020.07.31 The establishment of fundamental technologies for development of human embryonic stem cell-based cell therapy for retinal degeneration
Ministry of Science, ICT and Future Planning
PI
배아줄기세포에서 시신경세포로 분화유도 및 분화한 시세포의 이식 : 인간 배아줄기세포를 이용한 망막변성질환 세포치료의 기반 구축
미래창조과학부
연구책임자
- 2015.04.01-2018.03.31 Development of a new preclinical candidate antibody targeting clec14a
Ministry of Science, ICT and Future Planning
Co-PI
Clec14a를 표적으로 하는 혈관신생 관련 질환 치료제 바이오 신약 후보물질 개발
미래창조과학부
공동연구책임자
- 2015.07.21-2022.12.31 Korean Age Related Maculopathy Study
PI
한국인 나이관련황반변성 관찰 연구
망막학 발전 재단
연구책임자
- 2016.01.25-2020.05.31 Safety and Efficacy of Abicipar Pegol (AGN-150998) in Patients With Neovascular Age-related Macular Degeneration(CEDAR)
Allergan
PI
신생혈관성 연령관련 황반변성을 가진 환자를 대상으로 한 아비시파르 페골 (Abicipar Pegol)(AGN-150998) 의 안전성 및 유효성(CEDAR)
알러간
연구책임자

- 2016.01.28-2018.01.27 Efficacy of fixed monthly dosing of Ranibizumab (Lucentis®) on subretinal fluid associated with persistent retinal pigment epithelial detachment in neovascular age-related macular degeneration : An exploratory study
Novartis
PI
습성 나이관련황반변성 환자에서 지속되는 망막색소상피박리에 동반된 망막하액에 대한 Ranibizumab (루센티스®) 매달 고정 투여의 효과에 관한 탐색적 연구
노바티스
연구책임자
- 2016.07.15-2017.08.31 A prospective, multi-center, randomized, double-blinded (subject & evaluator), comparative clinical trial to evaluate the efficacy and safety of SRT(Selective Retina Therapy) with 'R:GEN' in patients with Central Serous Chorioretinopathy PRELUDE Protocol
Lutronic. Co., Ltd.
Co-PI
중심성 장액 맥락망막병증의 선택적 망막 치료요법(SRT, Selective Retina Therapy)으로 사용되는 레이저 수술기 'R:GEN'의 유효성 및 안전성을 확인하기 위한 전향적, 다기관, 무작위배정, 이중 눈가림(대상자 & 독립된 유효성 평가자), 대조 임상연구
(주)루트로닉
공동 연구책임자
- 2016.09.23-2017.09.20 Evaluation of efficacy of human umbilical cord blood-derived mesenchymal stem cell (hUCB-MSC) transplantation after selective retina therapy in retinal degeneration model
Lutronic. Co., Ltd.
PI
망막변성 모델에서 선택적 망막 치료 후 인간제대혈유래 중간엽줄기세포의 이식 효과 평가
(주)루트로닉
연구책임자
- 2016.12.26-2021.12.31 Evaluation and correlation of vitreous and plasma biomarkers with clinical presentations in diabetic retinopathy
Novartis
PI
당뇨망막병증에서 유리체 및 혈장 생체표지자의 평가와 이들과 임상 증상 간의 상관관계 분석
노바티스
연구책임자

Report of Clinical Innovations

Marker for Diagnosing Diabetic Retinopathy and Use Thereof (PCT/KR2008/005046; Korea Patency 10-0981926, 2010.5.31)

The present invention relates to a composition and a kit comprising an agent for measuring a gene or a protein level that can be used to diagnose and determine the progression of a diabetic retinopathy patient, for diagnosing diabetic retinopathy, a method for providing information for diagnosing diabetic retinopathy, and to a method for diagnosing diabetic retinopathy using the composition and the kit.

Method for Inducing Differentiation from a Cystic Structure to Retinal Pigment Epithelial Cells(PCT/KR2012/002400; Korea Patency 10-1357851, 2014.1.24)

The present invention relates to a method for inducing differentiation to retinal pigment epithelial cells

from the cystic structure of a spherical neural mass which is obtained by culturing a pluripotent stem cell line including induced pluripotent stem cells and an embryonic stem cell line. According to the present invention, the method for inducing differentiation to retinal pigment epithelial cells (RPE) from the cystic structure derived from the spherical neural mass which is obtained by culturing the embryonic stem cell line, is capable of obtaining the retinal pigment epithelial cells by differentiating the cystic structure which has not been previously used and removed, and allowing the differentiation to desired retinal pigment epithelial cells to be performed for a relatively short time. Therefore, said method can be effectively used in the treatment of various retinal degenerative diseases.

Method for Measuring Optical Characteristics of the Retina (Korea Patent 10-1124039, 2012.2.28)

Biomarker composition for detecting diabetic retinopathy and diagnostic kit therefor (PCT/KR2012/005622; Korea Patent 10-1343137, 2013.12.12)

The present invention provides a biomarker composition for detecting diabetic retinopathy comprising at least one protein selected from the group consisting of proteins as set forth in SBQ ID NOS: 1 to 169. And also, the present invention provides a kit for diagnosing diabetic retinopathy, comprising a molecule specifically binding to at least one protein selected from the group consisting of proteins as set forth in SBQ ID NOS: 1 to 169. It has been newly found that 105 proteins as set forth in SBQ ID NOS: 1 to 105 are significantly over-expressed in the vitreous humors obtained from PDR patients, while 64 proteins as set forth in SBQ ID NOS: 106 to 169 are significantly over-expressed in those obtained from normal people. Therefore, the proteins can be used for biomarker capable of detecting diabetic retinopathy. The biomarker can provide fundamental information in researching vitreoretinal disorders, such as diabetic retinopathy. Especially, the newly found proteins may be applied to a kit for diagnosing diabetic retinopathy with a molecule specifically binding thereto, e.g., a monoclonal antibody. And also, it has been newly found that the levels of thyroxine-binding globulin precursor (TBG) in both vitreous and plasma of PDR and NPDR states and in plasma of diabetes mellitus state, are outstandingly higher than in non-diabetic control (MH or normal control). Therefore, TBG may be applied to a diabetes mellitus biomarker, and a kit for diagnosing diabetes mellitus with a molecule specifically binding thereto.

Publications

Representative articles

1. Yoon CK, **Yu HG**. Ganglion cell-inner plexiform layer and retinal nerve fibre layer changes within the macula in retinitis pigmentosa: a spectral domain optical coherence tomography study. *Acta Ophthalmol.* 2018 Mar;96(2):e180-e188.
2. Yoon CK, Kim NK, Joung JG, Shin JY, Park JH, Eum HH, Lee HO, Park WY, **Yu HG**. The diagnostic application of targeted re-sequencing in Korean patients with retinitis pigmentosa. *BMC Genomics.* 2015 Jul 9;16:515. doi: 10.1186/s12864-015-1723-x. PMID: 26155838
3. Lee EK, **Yu HG**. Ganglion Cell-Inner Plexiform Layer and Peripapillary Retinal Nerve Fiber Layer Thicknesses in Age-Related Macular Degeneration. *Invest Ophthalmol Vis Sci.* 2015 Jun 1;56(6):3976-83.
4. Kim YW, Jeoung JW, **Yu HG**. Vitreopapillary Traction in Eyes with Idiopathic Epiretinal Membrane: A Spectral Domain Optical Coherence Tomography Study. *Ophthalmology.* 2014 Oct;121(10):1976-82.
5. Lee EK, **Yu HG**. Ganglion Cell-Inner Plexiform Layer Thickness after Epiretinal Membrane Surgery: A Spectral Domain Optical Coherence Tomography Study. *Ophthalmology.* 2014 Aug;121(8):1579-87.
6. Kim SJ, Jin J, Kim YJ, Kim Y, **Yu HG**. Retinal Proteome Analysis in a Mouse Model of Oxygen-Induced Retinopathy. *J Proteome Res.* 2013 Mar 1;12(3):1078-89. PMID : 23368427
7. Cho MS, Kim SJ, Ku SY, Park JH, Lee H, Yoo DH, Park UC, Song SA, Choi YM, **Yu HG**. Generation of Retinal Pigment Epithelial Cells from Human Embryonic Stem Cell-Derived Spherical Neural Masses. *Stem Cell Res.* 2012 May 16;9(2):101-109.
8. Suh MH, Seo JM, Park KH, **Yu HG**. The association between macular findings by optical coherence tomography and visual outcomes after epiretinal membrane removal. *Am J Ophthalmol* 2009;147:473-480
9. **Yu HG**, Liu X, Kiss S, Connolly E, Gragoudas ES, Michaud NA, Bulgakov OV, Adamian M, DeAngelis MM, Miller JW, Li T, Kim IK. Increased choroidal neovascularization following

- laser induction in mice lacking lysyl oxidase-like 1. *Invest Ophthalmol Vis Sci* 2008;49:2599-605
10. Hahm B, Shin Y, Shim E, Jeon HJ, Seo JM, Chung H, **Yu HG**. Depression and the vision-related quality of life in patients with retinitis pigmentosa. *Br J Ophthalmol* 2008; 92: 650-654.
 11. Kim T, Kim SJ, Kim K, Kang UB, Lee C, Park KS, **Yu HG**, Kim Y. Profiling of vitreous proteomes from proliferative diabetic retinopathy and nondiabetic patients. *Proteomics*. 2007;7(22):4203-15.
 12. Ahn JK, Chung H, Lee DS, Yu YS, **Yu HG**. CD8brightCD56+ T Cells Are Cytotoxic Effectors in Patients with Active Behcet's Uveitis. *J Immunol* 2005;175:6133-6142
 13. **Yu HG**, Lee DS, Seo JM, Ahn JK, Yu YS, Lee WJ, Chun H. The number of CD8+ T cells and NKT cells increases in the aqueous of patients with Behcet's uveitis. *Clin Exp Immunol* 2004; 137(2):437-43.

Articles

A. First or Corresponding author

1. Oh BL, **Yu HG**. New approaches to managing open globe eye injuries with a thermoresponsive sealant. *Ann Eye Sci* 2018;3:18. doi: 10.21037/aes.2018.03.05
2. Kim TW, Moon JW, **Yu HG**. N-acetylcysteine Protects Against Chorioretinal Damage Induced by Photodynamic Therapy for Experimental Choroidal Neovascularization in a Rat Model. *Photodiagnosis Photodyn. Ther.* Accepted 13 April 2018, Available online 19 April 2018 <https://doi.org/10.1016/j.pdpdt.2018.04.006>
3. Oh BL, Lee JS, Lee EY, Lee HY, **Yu HG**. Recurrent anterior uveitis and subsequent incidence of ankylosing spondylitis: a nationwide cohort study from 2002 to 2013. *Arthritis Res Ther.* 2018 Feb 7;20(1):22. doi: 10.1186/s13075-018-1522-2. PMID: 29415753
4. Cho BJ, Kim DY, Park UC, Lee JY, Yoon YH, **Yu HG**. Clinical Features and Treatment Outcomes of Vitreoretinal Lymphoma according to Its Association with CNS Lymphoma. *Ocul Immunol Inflamm.* 2018;26(3):365-371 doi: 10.1080/09273948.2017.1421669. [Epub ahead of print] PMID: 29394118
5. Park UC, Shin JY, Chung H, **Yu HG**. Association of ARMS2 genotype with response to anti-vascular endothelial growth factor treatment in polypoidal choroidal vasculopathy. *BMC Ophthalmol.* 2017 Dec 7;17(1):241. doi: 10.1186/s12886-017-0631-z. PMID: 29212537
6. Joo Young Shin, Areum Son, Hyunsoo Kim, Youngsoo Kim, and Hyeong Gon Yu. Carboxymethyl-lysine-modified Plasma Proteins in Age-related Macular Degeneration. *Biotechnology and Bioprocess Engineering* 22: 52-59 (2017) DOI 10.1007/s12257-016-0504-y
7. Park U, Cho IH, Moon SW, **Yu HG**. Long-term Change of Subfoveal Choroidal Thickness in Behçet's Disease Patients with Posterior Uveitis. *Ocul Immunol Inflamm.* 2018;26(3):397-405. doi: 10.1080/09273948.2016.1268169. Epub 2017 Jan 12. PMID: 28080153
8. Yoon CK, **Yu HG** Ganglion cell-inner plexiform layer and retinal nerve fibre layer changes within the macula in retinitis pigmentosa: a spectral domain optical coherence tomography study. *Acta Ophthalmol.* 2018 Mar;96(2):e180-e188. Epub 2017 Nov 2. doi: 10.1111/aos.13577 PMID:29098796
9. Shin YU, Shin JY, Ma DJ, Cho H, **Yu HG**. Preoperative Inflammatory Control and Surgical Outcome of Vitrectomy in Intermediate Uveitis. *J Ophthalmol.* 2017;2017:5946240. doi: 10.1155/2017/5946240. Epub 2017 Mar 30 PMID:28465834

10. Park UC, Cho IH, Lee EK, **Yu HG**. The effect on choroidal changes of the route of systemic corticosteroids in acute Vogt-Koyanagi-Harada disease. *Graefes Arch Clin Exp Ophthalmol*. 2017 Jun;255(6):1203-1211. doi: 10.1007/s00417-017-3654-5. Epub 2017 Apr 5 PMID: 28382438
11. Hwang DJ, Sinn JY, **Yu HG**. Oral Administration of Cilostazol Increases Ocular Blood Flow in Patients with Diabetic Retinopathy. *Korean J Ophthalmol*. 2017 Apr;31(2):123-131. doi: 10.3341/kjo.2017.31.2.123. Epub 2017 Mar 21 PMID : 28367040
12. Moon SW, Kim BH, Park UC, **Yu HG**. Inter-observer Variability in Scoring Ultra-wide-field Fluorescein Angiography in Patients with Behçet Retinal Vasculitis. *Ocul Immunol Inflamm*. 2017 Feb;25(1):20-28. doi: 10.1080/09273948.2016.1175640. Epub 2016 May 26. PMID: 2723012
13. Cho IH, Park UC, **Yu HG**. Long-term Efficacy of Vitrectomy for Macular Edema Secondary to Branch Retinal Vein Occlusion in Patients Treated with Intravitreal Injections. *Journal of the Korean Ophthalmological Society* 58(5):546 · January 2017 DOI: 10.3341/jkos.2017.58.5.546
14. Ma DJ, **Yu HG**. Window to Heart; Ocular Manifestations of Hypertension. *Hanyang Med Rev*. 2016 Aug;36(3):146-150. English. <https://doi.org/10.7599/hmr.2016.36.3.146>
15. Lee EK, Lee SY, **Yu HG**. Epiretinal membrane in nonexudative age-related macular degeneration: anatomical features, visual outcomes and prognostic factors. *Retina*. 2016 Aug;36(8):1557-65. doi: 10.1097/IAE.0000000000000953. PMID: 27456023
16. Moon BG, Lee JY, **Yu HG**, Song JH, Park YH, Kim HW, Ji YS, Chang W, Lee JE, Oh J, Chung I. Efficacy and Safety of a Dexamethasone Implant in Patients with Diabetic Macular Edema at Tertiary Centers in Korea. *J Ophthalmol*. 2016;2016:9810270. doi: 10.1155/2016/9810270. Epub 2016 May 17. PMID: 27293879
17. Kim Y, Kim TW, Park YS, Jeong EM, Lee DS, Kim IG, Chung H, Hwang YI, Lee WJ, **Yu HG**, Kang JS. The Role of Interleukin-22 and Its Receptor in the Development and Pathogenesis of Experimental Autoimmune Uveitis. *PLoS One*. 2016 May 11;11(5):e0154904. doi: 10.1371/journal.pone.0154904. eCollection 2016. PMID: 27166675
18. Kim BH, Shin JY, **Yu HG**. Discrepancy in Fluorescein Angiography and Optical Coherence Tomography Findings of Macular Edema in Intermediate Uveitis. *Ocul Immunol Inflamm*. 2016 Dec;24(6):653-659. PMID: 26645484
19. Cho BJ, Shin JY, **Yu HG**. Complications of Pathologic Myopia. *Eye Contact Lens*. 2016 Jan;42(1):9-15. doi: 10.1097/ICL.0000000000000223. PMID: 26649982
20. Shin JY, **Yu HG**. Intravitreal Triamcinolone Injection for Uveitic Macular Edema: A Randomized Clinical Study. *Ocul Immunol Inflamm*. 2015 Dec;23(6):430-6. doi: 10.3109/09273948.2015.1025982. Epub 2015 Aug 26
21. Song HB, **Yu HG**. Optic Disc Edema Responding to Localized Anti-vascular Endothelial Growth Factor Treatment in a Patient with POEMS Syndrome. *Korean J Ophthalmol*. 2015 Oct;29(5):357-8. doi: 10.3341/kjo.2015.29.5.357.
22. Lee EK, Han JM, Hyon JY, **Yu HG**. Changes in choroidal thickness after intravitreal dexamethasone implant injection in retinal vein occlusion. *Br J Ophthalmol*. 2015 Nov;99(11):1543-9. doi: 10.1136/bjophthalmol-2014-306417. Epub 2015 Apr 16. PMID: 25883084

23. Oh BL, **Yu HG**. Choroidal thickness after full-fluence and half-fluence photodynamic therapy in chronic central serous chorioretinopathy. *Retina*. 2015 Aug;35(8):1555-60. PMID: 25932547
24. Yoon CK, Kim NK, Joung JG, Shin JY, Park JH, Eum HH, Lee HO, Park WY, **Yu HG**. The diagnostic application of targeted re-sequencing in Korean patients with retinitis pigmentosa. *BMC Genomics*. 2015 Jul 9;16:515. doi: 10.1186/s12864-015-1723-x.PMID: 26155838
25. Song HB, **Yu HG**. Optic Disc Edema Responding to Localized Anti-vascular Endothelial Growth Factor Treatment in a Patient with POEMS Syndrome. *Korean J Ophthalmol*. 2015 Oct;29(5):357-8. doi: 10.3341/kjo.2015.29.5.357.
26. Kim BH, Shin JY, Lee MJ, Kim SH, **Yu HG**. Long-term outcomes following trabeculectomy Combined with 25-Gauge Transconjunctival Sutureless Vitrectomy in Uveitis Patients. *Ocul Immunol Inflamm*. 2015 Jun;23(3):212-8.
27. Lee EK, **Yu HG**. Ganglion Cell-Inner Plexiform Layer and Peripapillary Retinal Nerve Fiber Layer Thicknesses in Age-Related Macular Degeneration. *Invest Ophthalmol Vis Sci*. 2015 Jun 1;56(6):3976-83. PMID:26087362
28. Lee EK, Lee SY, **Yu HG**. A clinical grading system based on ultra-wide field retinal imaging for sunset glow fundus in Vogt-Koyanagi-Harada Disease. *Graefes Arch Clin Exp Ophthalmol*. 2015 Mar;253(3):359-68. doi: 10.1007/s00417-014-2710-7. Epub 2014 Jul 15. PMID:25017008
29. Park UC, Shin JY, McCarthy LC, Kim SJ, Park JH, Chung H, **Yu HG**. Pharmacogenetic associations with long-term response to anti-vascular endothelial growth factor treatment in neovascular AMD patients. *Mol Vis*. 2014 Dec 19;20:1680-94. eCollection 2014.PMID:25558172
30. Lee EK, Kim JH, **Yu HG**. Candida albicans endophthalmitis in a patient with a non-functioning pituitary adenoma evolving into Cushing's disease: A case report. *Med Mycol Case Rep*. 2014 Sep 16;6:37-41. doi: 10.1016/j.mmcr.2014.09.001. eCollection 2014 Oct. PMID:25379398[PubMed]
31. Lee EK, Kim YJ, Kim JY, Song HB, **Yu HG**. Melissa officinalis extract inhibits laser-induced choroidal neovascularization in a rat model. *PLoS One*. 2014 Oct 14;9(10):e110109. doi: 10.1371/journal.pone.0110109. eCollection 2014. PMID:25314292
32. Cho BJ, **Yu HG**. Risk factors for intraocular involvement in patients with primary central nervous system lymphoma. *J Neurooncol*. 2014 Dec;120(3):523-9. doi: 10.1007/s11060-014-1581-4. Epub 2014 Aug 15. PMID:25119002
33. Kim YW, Jeoung JW, **Yu HG**. Vitreopapillary Traction in Eyes with Idiopathic Epiretinal Membrane: A Spectral Domain Optical Coherence Tomography Study. *Ophthalmology*. 2014 Oct;121(10):1976-82. doi: 10.1016/j.ophtha.2014.04.011. Epub 2014 May 29. PMID:24880904
34. Lee EK, **Yu HG**. Ganglion Cell-Inner Plexiform Layer Thickness after Epiretinal Membrane Surgery: A Spectral Domain Optical Coherence Tomography Study. *Ophthalmology*. 2014 Aug;121(8):1579-87. doi: 10.1016/j.ophtha.2014.02.010. Epub 2014 Apr 2. PMID:24703380
35. Shin JY, **Yu HG**. Optical Coherence Tomography-based Ranibizumab Monotherapy for Retinal Angiomatous Proliferation in Korean Patients. *Retina*. 2014 Dec;34(12):2359-66. doi: 10.1097/IAE.0000000000000225. PMID:25011025

36. Cho BJ, Yu HG. Surgical Outcomes According to Vitreous Management after Scleral Fixation of Posterior Chamber Intraocular Lenses. *Retina*. 2014 Oct;34(10):1977-84. doi: 10.1097/IAE.0000000000000168. PMID:24837051
37. Oh EK, Lee EK, Yu HG. Long-term results of fluocinolone acetonide intravitreal implant in Behçet intractable posterior uveitis. *Can J Ophthalmol*. 2014 Jun;49(3):273-8. doi: 10.1016/j.jcjo.2014.03.004. PMID:24862774
38. Park UC, Shin JY, Kim SJ, Shin ES, Lee JE, McCarthy LC, Newcombe PJ, Xu CF, Chung H, Yu HG. Genetic factors associated with response to intravitreal ranibizumab in Korean patients with neovascular age-related macular degeneration. *Retina*. 2014 Feb;34(2):288-97. doi: 10.1097/IAE.0b013e3182979e1e. PMID:23842101
39. Park UC, Park JH, Yu HG. Long-term Outcome of Intravitreal Triamcinolone Acetonide injection for the Treatment of Uveitis Attacks in Behçet Disease. *Ocul Immunol Inflamm*. 2014 Feb;22(1):27-33. doi: 10.3109/09273948.2013.829109. Epub 2013 Sep 24.
40. Kim BH, Cha DM, Yu HG. A Case of Full Thickness Macular Hole Secondary to Old Traumatic Choroidal Rupture. *J Korean Ophthalmol Soc*. 2014Feb;55(2):312-316.Korean. <http://dx.doi.org/10.3341/jkos.2014.55.2.312>
41. Shin JY, Yu HG. Chlorogenic Acid supplementation improves multifocal electroretinography in patients with retinitis pigmentosa. *J Korean Med Sci*. 2014 Jan;29(1):117-21. doi: 10.3346/jkms.2014.29.1.117. Epub 2013 Dec 26.
42. Yoon CK, Yu HG. The Structure-Function Relationship between Macular Morphology and Visual Function Analyzed by Optical Coherence Tomography in Retinitis Pigmentosa. *J Ophthalmol*. 2013;2013:821460. doi: 10.1155/2013/821460. Epub 2013 Dec 3.
43. Kim SJ, Lee S, Park C, Seo JS, Kim JI, Yu HG. Targeted resequencing of candidate genes reveals novel variants associated with severe Behçet's uveitis. *Exp Mol Med*. 2013 Oct 18;45:e49. doi: 10.1038/emmm.2013.101. PMID: 24136464
44. Kim SJ, Gu YR, Kim YJ, Yu HG. Effect of Curcumin in a Mouse Model of Oxygen-Induced Retinopathy. *J Korean Ophthalmol Soc*. 2013 Oct;54(10):1588-1593.Korean. <http://dx.doi.org/10.3341/jkos.2013.54.10.1588>
45. Yoon CK, Yu HG. Strategies for Mutation Discovery in Retinitis Pigmentosa: Transition to the Next Generation. *J Genet Med*. 2013 Jun;10(1):13-19. English. <http://dx.doi.org/10.5734/JGM.2013.10.1.13>
46. Lee S, Song SJ, Yu HG. Current smoking is associated with a poor visual acuity improvement after intravitreal ranibizumab therapy in patients with exudative age-related macular degeneration. *J Korean Med Sci*. 2013 May;28(5):769-74. doi: 10.3346. PMID: 23678271
47. Park SW, Yu HG. Association of Cytomegalovirus with Idiopathic Chronic Anterior Uveitis with Ocular Hypertension in Korean Patients. *Ocul Immunol Inflamm*. 2013 Jun;21(3):192-6. Epub 2013 Mar 12. PMID: 23480606
48. Kim K, Kim SJ, Han D, Jin J, Yu J, Park KS, Yu HG, Kim Y. Verification of multimarkers for detection of early stage-diabetic retinopathy using multiple reaction monitoring. *J Proteome Res*. 2013 Mar 1;12(3):1078-89. PMID : 23368427
49. Kim SJ, Jin J, Kim YJ, Kim Y, Yu HG. Retinal Proteome Analysis in a Mouse Model of Oxygen-Induced Retinopathy. *J Proteome Res*. 2012 Nov;11(11):5186-203. PMID : 23039900

50. Bae SH, Hwang JS, Yu HG. Comparative analysis of macular microstructure by spectral-domain optical coherence tomography before and after silicone oil removal. *Retina*. 2012 Oct;32(9):1874-83.
51. Kim C, Yu HG. Changes in ciliary body thickness in patients with diabetic macular edema after vitrectomy. *Retina*. 2012 Jul;32(7):1316-23.
52. Kim SJ, Park SJ, Yu HG, Kim NJ, Jang HC, Oh MD. Ocular manifestations of acquired immunodeficiency syndrome in Korea. *J Korean Med Sci*. 2012 May;27(5):542-6.
53. Cho MS, Kim SJ, Ku SY, Park JH, Lee H, Yoo DH, Park UC, Song SA, Choi YM, Yu HG. Generation of Retinal Pigment Epithelial Cells from Human Embryonic Stem Cell-Derived Spherical Neural Masses. *Stem Cell Res*. 2012 Sep;9(2):101-109 PMID: 22683799.
54. Kim C, Kim KJ, Bok J, Lee EJ, Kim DJ, Oh JH, Park SP, Shin JY, Lee JY, Yu HG. Microbead-based Mutation Detection and Phenotypic Characterization in Korean Patients with Retinitis Pigmentosa. *Mol Vis*. 2012;18:2398-410. PMID : 23049240
55. Park JH, Lee S, Yu HG, Kim J, Seo JS. Copy number variation of age-related macular degeneration relevant genes in the Korean population. *PLoS one*. 2012 Feb;7(2):e31243
56. Kim TW, Kang JS, Kong JM, Bae S, Yu Y, Chung H, Yu HG. Maturation profiles of peripheral blood dendritic cells in patients with endogenous uveitis. *Immunol Lett*. 2012 Feb 29;142(1-2):14-9.
57. Kim C, Chung H, Yu HG. Association of p.P347L in the Rhodopsin Gene with Early-onset Cystoid Macular Edema in Patients with Retinitis Pigmentosa. *Ophthalmic Genet*. 2012 Jun;33(2):96-9.
58. Shin J, Yu HG. Visual prognosis and spectral-domain optical coherence tomography findings of myopic foveoschisis surgery using 25-gauge transconjunctival sutureless vitrectomy. *Retina*. 2012 Mar;32(3):486-92.
59. Park UC, Cho MS, Park JH, Kim SJ, Ku SY, Choi YM, Moon SY, Yu HG. Subretinal transplantation of putative retinal pigment epithelial cells derived from human embryonic stem cells in rat retinal degeneration model. *Clin Exp Reprod Med*. 2011 Dec;38(4):216-221.
60. Kim SJ, Yu HG. Efficacy of combined photodynamic therapy and intravitreal bevacizumab injection versus photodynamic therapy alone in polypoidal choroidal vasculopathy. *Retina*. 2011 Oct;31(9):1827-34 1.
61. Park UC, Park KH, Kim DM, Yu HG. Ahmed Glaucoma Valve Implantation for Neovascular Glaucoma after Vitrectomy for Proliferative Diabetic Retinopathy. *J Glaucoma*. 2011 Sep;20(7):433-8.
62. Park UC, Kim SJ, Yu HG. Cytomegalovirus endotheliitis after fluocinolone acetonide (retisert) implant in a patient with behcet uveitis. *Ocul Immunol Inflamm*. 2011 Aug;19(4):282-3.
63. Yang HK, Kim SJ, Jung YS, Kim KG, Kim JH, Yu HG. Improvement of Horizontal Macular Contraction after Surgical Removal of Epiretinal Membranes. *Eye* 2011 Jun;25(6):754-61.
64. Kim TW, Chung H, Yu HG. Chemokine Expression of Intraocular Lymphocytes in Patients with Behcet Uveitis. *Ophthalmic Res*. 2011;45(1):5-14. 2011
65. Lee BJ, Yu HG. Vitreous hemorrhage following the 25-gauge transconjunctival sutureless vitrectomy for proliferative diabetic retinopathy. *Retina*. 2010Nov-Dec;30(10):1671-7

66. Han SB, Yu HG. Visual outcome after open globe injury and its predictive factors in Korea. *J Trauma*. 2010 Nov;69(5):E66-72.
67. Kim C, Jeong J, Yu HG. Diagnostic and predictive methods for a Niemann-Pick disease type B patient with ocular involvement. *J Inherit Metab Dis*. 2010 Oct;33(5):633-4.
68. Woo SJ, Kim JH, Yu HG. Ursodeoxycholic acid (UDCA) and tauroursodeoxycholic acid (TUDCA) suppress choroidal neovascularization in a laser-treated rat model. *J Ocul Pharmacol Ther*. 2010 Jun;26(3):223-9.
69. Yu HG, Ku SY, Choi J, Kim H, Suh CS, Kim SH, Choi YM, Kim JG, Moon SY. Sex steroid and tropic hormone levels may be associated with postoperative prognosis of vitrectomy in Korean postmenopausal women: a pilot study. *Menopause*. 2010 Jan-Feb;17(1):161-5.
70. Han SB, Yu HG. Bilateral exudative retinal detachment in Churg-Strauss syndrome controlled with intravenous immunoglobulin. *Jpn J Ophthalmol*. 2010 May;54(3):250-2.
71. Moon JW, Kim YJ, Khwarg SI, Chung H, Yu HG. Chorioretinal ischemia and angiogenic milieu following photodynamic therapy. *Curr Eye Res*. 2010 Apr;35(4):314-21.
72. Lee SH, Yu HG, Seo JM, Moon SW, Moon JW, Kim SJ, Chung H. Hereditary and clinical features of retinitis pigmentosa in Koreans. *J Korean Med Sci*. 2010 Jun;25(6):918-23.
73. Woo SJ, Yu HG, Chung H. Surgical outcome of vitrectomy for macular hole secondary to uveitis. *Acta Ophthalmol*. 2010 Nov; 88(7):e287-8.
74. Oh JY, Yu HG. Keratoconus associated with choroidal neovascularization: a case report. *J Med Case Reports*. 2010 Feb 19;4:58.
75. Song SJ, Youm DJ, Chang Y, Yu HG. Age-related macular degeneration in a screened South Korean population: Prevalence, Risk Factors, and Subtypes. *Ophthalmic Epidemiology*, 2009;16(5):304 – 310.
76. Moon JW, Yu HG, Kim TW, Kim HC, Chung H. Prognostic factors related to photodynamic therapy for central serous chorioretinopathy. *Graefes Arch Clin Exp Ophthalmol*. 2009;247(10):1315-23.
77. Park JH, Woo SJ, Ha YJ, Yu HG. Macular Capillary Blood Flow in Patients with Diffuse Diabetic Macular Edema without Vitreomacular Traction. *Ophthalmic Res* 2009;42:73-80
78. Park JH, Woo SJ, Ha YJ, Yu HG. Effect of vitrectomy on macular microcirculation in patients with diffuse diabetic macular edema. *Graefes Arch Clin Exp Ophthalmol*. 2009 Aug;247(8):1009-17.
79. Kim SJ, Chung H, Yu HG. Posterior Segment Involvement in Korean Patients with HLA-B27-positive Uveitis. *Ocul Immunol Inflamm*. 2009;17:26-32
80. Shu MH, Seo JM, Park KH, Yu HG. The association between macular findings by optical coherence tomography and visual outcomes after epiretinal membrane removal. *Am J Ophthalmol* 2009;147:473-480
81. Yu HG, Kim MJ, Oh FS. Fluorescein Angiography and Visual Acuity in Active Uveitis with Behçet's Disease. *Ocul Immunol Inflamm*. 2009; 17(1):41-6.
82. Yu HG, Liu X, Kiss S, Connolly E, Gragoudas ES, Michaud NA, Bulgakov OV, Adamian M, DeAngelis MM, Miller JW, Li T, Kim IK. Increased choroidal neovascularization following laser induction in mice lacking lysyl oxidase-like 1. *Invest Ophthalmol Vis Sci* 2008;49:2599-605

83. Hahm B, Shin Y, Shim E, Jeon HJ, Seo JM, Chung H, Yu HG. Depression and the vision-related quality of life in patients with retinitis pigmentosa. *Br J Ophthalmol* 2008; 92: 650-654.
84. Song SJ, Chung H, Yu HG. Inhibitory Effect of YC-1, 3-(5'-Hydroxymethyl-2'-Furyl)-1-Benzylindazole, on Experimental Choroidal Neovascularization in Rat. *Ophthalmic Res.* 2008 20;40(1):35-40.
85. Kim T, Kim SJ, Kim K, Kang UB, Lee C, Park KS, Yu HG, Kim Y. Profiling of vitreous proteomes from proliferative diabetic retinopathy and nondiabetic patients. *Proteomics.* 2007;7(22):4203-15.
86. Kim SJ, Song SJ, Yu HG. Multifocal electroretinogram responses of the clinically normal retinal areas in diabetes. *Ophthalmic Res.* 2007;39(5):282-8.
87. Kim SJ, Yu HG. The use of low-dose azathioprine in patients with Vogt-Koyanagi-Harada disease. *Ocul Immunol Inflamm.* 2007;15(5):381-7.
88. Jeoung JW, Chung H, Yu HG. Factors influencing refractive outcome after combined phacoemulsification and pars plana vitrectomy: Results of a prospective study. *J Cataract Ref Surg* 2007;33:108-114
89. Park UC, Ahn JK, Park KH, Yu HG. Phacotrabeculectomy With Mitomycin C in Patients With Uveitis. *Am J Ophthalmol.* 2006;142:
90. Park SP, Ko DA, Chung H, Yu HG. Photodynamic therapy with verteporfin for juxtafoveal choroidal neovascularization in serpiginous choroiditis. *Ophthal Surg Las Im.* 2006 Sep-Oct;37(5):425-8.
91. Kim SJ, Kim S, Park J, Lee HK, Park KS, Yu HG, Kim Y. Differential expression of vitreous proteins in proliferative diabetic retinopathy. *Curr Eye Res* 2006;31(3):231-40.
92. Ahn JK, Chung H, Yu HG. Vitrectomy for Persistent Panuveitis in Behcet's Disease. *Ocular Immunol Inflamm* 2005;13:447-454,
93. Ahn JK, Chung H, Lee DS, Yu YS, Yu HG. CD8brightCD56+ T Cells Are Cytotoxic Effectors in Patients with Active Behcet's Uveitis. *J Immunol* 2005;175:6133-6142
94. Ahn JK, Seo JM, Yu J, Oh FS, Chung H, Yu HG. Down-regulation of IFN-gamma-producing CD56+ T cells after combined low-dose cyclosporine/prednisone treatment in patients with Behcet's uveitis. *Invest Ophthalmol Vis Sci* 2005;46:2458-2464
95. Yu HG, Lee DS, Seo JM, Ahn JK, Yu YS, Lee WJ, Chun H. The number of CD8+ T cells and NKT cells increases in the aqueous of patients with Behcet's uveitis. *Clin Exp Immunol* 2004;137(2):437-43.
96. Kim SH, Chung JW, Chung H, Yu HG. Phacoemulsification and foldable intraocular lens implantation combined with vitrectomy and silicone oil tamponade for the treatment of severe proliferative diabetic retinopathy. *J Cataract Refr Surg* 2004;30(8):1721-1726
97. Yu HG, Chung H, Kim TG, Yum KW, Kim HJ. Stellate ganglion block increases blood flow into the optic nerve head and the peripapillary retina in human. *Auton Neurosci- Basic* 2003;109:53-57.
98. Ahn JK, Yu HG, Chung H, Wee WR, Lee JH. Transscleral fixation of a foldable intraocular lens in aphakic vitrectomized eyes. *J Cataract Refr Surg* 2003;29(12):2390-2396.
99. Yu HG, Chung H, Lee WJ. Apoptosis of CD4+T cells occurs in experimental autoimmune anterior uveitis(EAAU). *Clin Exp Immunol* 1999;118:357-363.

100. Yoon CK, Yu HG. Strategies for Mutation Discovery in Retinitis Pigmentosa: Transition to the Next Generation. *J Genet Med*. 2013 Jun;10(1):13-19. English.
<http://dx.doi.org/10.5734/JGM.2013.10.1.13>
101. Lee SH, Chung H, Yu HG. Clinical outcomes of cyclosporine treatment for noninfectious uveitis. *Korean J Ophthalmol*. 2012 Feb;26(1):21-25.
102. Park UC, Cho MS, Park JH, Kim SJ, Ku SY, Choi YM, Moon SY, Yu HG. Subretinal transplantation of putative retinal pigment epithelial cells derived from human embryonic stem cells in rat retinal degeneration model. *Clin Exp Reprod Med*. 2011 Dec;38(4):216-221. English. <http://dx.doi.org/10.5653/cerm.2011.38.4.216>
103. Lee SH, Ahn JK, Yu HG. The Development of Recurrent Choroidal Neovascularization in a Patient with Choroidal Coloboma. *Korean J Ophthalmol*. 2011 Feb;25(1):63-65.
104. Park JH, Ku SY, Cho MS, Lee H, Choi YM, Moon SY, Yu HG. Stem Cell Based Strategies for the Treatment of Degenerative Retinal Diseases. *Korean J Reprod Med*. 2010 Sep;37(3):199-206.
105. Kim MJ, Yu HG. Case of bilateral retinal neovascularization associated with chronic idiopathic myelofibrosis. *Korean J Ophthalmol*. 2010 Apr;24(2):131-3.
106. Park JH, Kim SJ, Yu HG. The effect of brimonidine on transepithelial resistance in a human retinal pigment epithelial cell line. *Korean J Ophthalmol*. 2010 Jun;24(3):169-72.
107. Kim DH, Yu HG. Clinical Results of Vitrectomy in Macular Hemorrhage from a Ruptured Retinal Artery Macroaneurysm. *J Korean Ophthalmol Soc*. 2010 Jul;51(7):961-966.
108. Yang HK, Yu HG. Acute lymphoblastic leukemia manifesting as acute Vogt-Koyanagi-Harada disease. *Korean J Ophthalmol*. 2009 Dec;23(4):325-8.
109. Seo JH, Yu HG, Lee BJ. Assessment of Functional Vision Score and Vision-Specific Quality of Life in Individuals With Retinitis Pigmentosa. *Korean J Ophthalmol*. 2009 Sep;23(3):164-168.
110. Yoon CK, Park JH, Yu HG. Retinopathy Associated With Systemic Lupus Erythematosus. *J Korean Ophthalmol Soc*. 2009 Aug;50(8):1215-1220.
111. Ha SM, Yu HG. Two Female Siblings With Bietti Crystalline Retinopathy Without Corneal Dystrophy. *J Korean Ophthalmol Soc*. 2009 Jul;50(7):1120-1127.
112. Seo JH, Yu HG, Chung H. A Case of Vogt-Koyanagi-Harada Disease in a Patient With Graves Disease. *Korean J Ophthalmol*. 2009 Jun;23(2):112-113.
113. Seo JH, Kim I, Yu HG. A Case of Carotid Aneurysm in Familial Retinal Arterial Tortuosity. *Korean J Ophthalmol*. 2009 Mar;23(1):57-58.
114. Yoon CK, Woo SJ, Yu HG. Visual Outcome of Cytomegalovirus Retinitis in Korean Patients With Acquired Immune Deficiency Syndrome. *J Korean Ophthalmol Soc*. 2009 Jan;50(1):92-98.
115. Suh MH, Yu HG. Clinical Manifestations of Intraocular Lymphoma. *J Korean Ophthalmol Soc*. 2009 Jan;50(1):78-84.
116. Kim JH, Yu HG. Clinical Characteristics of Metastatic Choroidal Tumors in Korean Patients. *J Korean Ophthalmol Soc*. 2008 Nov;49(11):1785-1793.

117. Kim TW, Chung H, Yu HG. Analysis of Intraocular Chemokine and Chemokine Receptor in Patients with HLA-B27-associated Anterior Uveitis. J Korean Ophthalmol Soc. 2008 Sep;49(9):1475-1482.
118. Kim TW, Chung H, Yu HG. Clinical Features in Korean Patients with Sarcoid Uveitis. J Korean Ophthalmol Soc. 2008 Sep;49(9):1483-1490.
119. Lee EJ, Yu HG. A Case of Retisert Implant for Chronic Behcet's Panuveitis. J Korean Ophthalmol Soc. 2008 Jun;49(6):1007-1012.
120. Moon JW, Song SJ, Koo BK, Cho YM, Yu HG. Short-term Effects and Side Effects of Tacrolimus for Behcet's Uveitis. J Korean Ophthalmol Soc. 48(12):1654-1662, 2007.
121. Yu HG, Kang SW, Nam WH, Koh HJ, Kwak HW, Kwon OW, Kim SY, Kim IT, Kim HK, Kim HW, Roh YJ, Moon JW, Park KH, Byeon SH, Song SJ, Ahn JK, Oum BS, Oh JR, Yu SY, Yoon IH, Lee SC, Lee WK, Lee JH, Lee JE, Lee TG, Choi GJ, Ham DI, Huh K, Chung H. Photodynamic Therapy for Choroidal Neovascularization Secondary to Age-Related Macular Degeneration. J Korean Ophthalmol Soc. 48(6):789-798, 2007.
122. Suh MH, Kim JH, Yu HG. Conjunctival MALToma Patient with Intraocular Manifestation: A Case Report. J Korean Ophthalmol Soc. 48(3):460-464, 2007.
123. Kim SJ, Woo SJ, Yu HG. A Korean Family with an Early-Onset Autosomal Dominant Macular Dystrophy Resembling North Carolina Macular Dystrophy. Korean J Ophthalmol. 2006 Dec;20(4):220-224.
124. Kim C, Yu HG. Treatment of Hypotony Maculopathy Caused by Traumatic Cyclodialysis with Vitrectomy, Gas Tamponade, and Cryotherapy. J Korean Ophthalmol Soc. 2006 Oct;47(10):1691-1695.
125. Kim NJ, Yu HG. A phacovitrectomy with a clear corneal incision for a full-thickness macular hole. Korean J Ophthalmol. 2006 Sep;20(3):147-50.
126. Yu HG, Choi KS, Heo JW, Kim KC, Kim YJ, Chung Y, Yu YS, Chung H. Oxidative damage induced by UV in cultured retinal pigment epithelial cells. J Korean Ophthalmol Soc 2003;44:2890-2895
127. Park SP, Chung H, Yu HG. The Effect of Vitrectomy for the Treatment of Macular Hole Associated with Diabetic Retinopathy. J Korean Ophthalmol Soc. 2006 Jan;47(1):42-47.
128. Lee MJ, Song SJ, Chung H, Yu HG. Photodynamic Therapy For Recurred Subfoveal Choroidal Neovascularization After Argon-Laser Photocoagulation. J Korean Ophthalmol Soc. 2005 Dec;46(12):1989-1994.
129. Kim TW, Park SP, Yu HG. A Case of Intralenticular Triamcinolone Complicated by Intravitreal Triamcinolone Acetonide Injection. J Korean Ophthalmol Soc. 2005 Oct;46(10):1747-1750.
130. Oh JY, Yu HG. Subretinal Inflammatory Myofibroblastic Tumor: Clinicopathological Findings. Korean J Ophthalmol. 2005 Sep;19(3):235-238.
131. Ahn JK, Yu HG, Kim YJ, Yu YS, Chung H. Phenotypic Characteristics of CD8(bright) T Cells in Behcet's Uveitis. J Korean Ophthalmol Soc. 2005 Jul;46(7):1210-1216. Korean.
132. Kim TW, Song SJ, Chung H, Yu HG. Internal Limiting Membrane Peeling In Surgical Treatment of Macular Epiretinal Membrane. J Korean Ophthalmol Soc. 2005 Jun;46(6):989-994. Korean.

133. Moon JW, Lim YJ, Chung H, Yu HG. Topical Anesthesia Combined with Patient-Controlled Sedation Analgesia (PCSA) for Posterior Vitrectomy. *J Korean Ophthalmol Soc.* 2005 May;46(5):787-792. Korean.
134. Oh JY, Chung TY, Kim DM, Yu HG. Assessment of Retinal Ganglion Cell using Retinal Nerve Fiber Layer Photography in Age-related Macular Degeneration. *J Korean Ophthalmol Soc.* 2004 Dec;45(12):2036-2040. Korean.
135. Kang KB, Yu HG, Seo JM, Kim KA, Kim YJ, Yu YS, Chung H. Expression of Hypoxia-Inducible Factor-1 α (HIF-1 α) in the Experimental Model of Choroidal Neovascularization. *J Korean Ophthalmol Soc.* 2004 Sep;45(9):1541-1546. Korean.
136. Ahn JK, Yu HG, Kim YJ, Kim SJ, Yu YS, Chung H. Changes of Natural Killer T Cells in Behcet's Uveitis. *J Korean Ophthalmol Soc.* 2004 Aug;45(8):1356-1362. Korean.
137. Seo JM, Yu HG, Kim YJ, Kang RM, Kim M, Park KH, Chung H. Protective Effect of Ginkgo biloba Extract (Ginexin(R)) on a Variety of Damage on Cultured RPE. *J Korean Ophthalmol Soc.* 2004 Jun;45(6):1017-1023. Korean.
138. Woo SJ, Yu HG, Chung H. A Case of Atypical Progressive Outer Retinal Necrosis after Highly Active Antiretroviral Therapy. *Korean J Ophthalmol.* 2004 Jun;18(1):65-69. English.
139. Kim NJ, Yu HG, Yu YS, Chung H. Long-term Effect of Plasmin on the Vitreolysis in Rabbit Eyes. *Korean J Ophthalmol.* 2004 Jun;18(1):35-40. English.
140. Oh WH, Yu HG, Chung H. Photodynamic Therapy with Verteporfin for Subfoveal Choroidal Neovascularization in Vogt-Koyanagi-Harada Syndrome. *J Korean Ophthalmol Soc.* 2004 May;45(5):869-874. Korean.
141. Choi KS, Yu HG, Kim JH, Song SJ, Kim YJ, Yu YS, Chung H. The Effect of Ginkgo Biloba Extract (Ginexin(R)) on Experimental Central Retinal Vein Occlusion. *J Korean Ophthalmol Soc.* 2004 May;45(5):832-839. Korean.
142. Kim SJ, Yu HG. The Clinical Applications of Multifocal Electroretinogram in Diabetic Retinopathy. *J Korean Ophthalmol Soc.* 2004 Jan;45(1):64-68. Korean.
143. Yu HG, Choi KS, Heo JW, Kim KC, Kim YJ, Chung Y, Yu YS, Chung H. Oxidative Damage induced by UV in Cultured Retinal Pigment Epithelial Cells. *J Korean Ophthalmol Soc.* 2003 Dec;44(12):2890-2895. Korean.
144. Yu HG, Lee DS, Chung H. Immune tolerance induction by anti-CD4 monoclonal antibody in experimental autoimmune anterior uveitis. *J Korean Ophthalmol Soc* 2003;44:2379-2386
145. Kim SJ, Yu HG. Bilateral acute retinal necrosis syndrome in the patient with acquired immunodeficiency syndrome. *J Korean Ophthalmol Soc* 2003;44:2445-2450
146. Yu HG, Chung H, Yu YS, et al. A new rapid and non-radioactive assay for monitoring and determining the proliferation of retinal pigment epithelial cells. *Korean J Ophthalmol* 2003;17:29-34
147. Shin YJ, Kyoung HS, Park KH, Yu HG. The analysis of retinal nerve fiber layer in the patients with nonproliferative diabetic retinopathy. *J Korean Ophthalmol Soc* 2003;44:2010-2015
148. Choi HJ, Yu HG, Chung H. Characteristics of acute hemorrhagic central retinal vein occlusion. *J Korean Ophthalmol Soc* 2003;44:1781-1788

149. Yu HG, Yu YS, Chung H. Effects of Cyclosporin A on the recurrence in experimental autoimmune anterior uveitis. *J Korean Ophthalmol Soc* 2003;44:1409-1413
150. Kim NJ, Yoon BW, Chung H, Yu HG. Retinal blood flow measurement in patients with unilateral internal carotid artery obstruction. *J Korean Ophthalmol Soc* 2003;44:663-668
151. Kim NJ, Yu HG. A phacovitrectomy with a clear corenal incision for a full-thickness macular hole. *Korean J Ophthalmol* 2003;147-
152. Yu HG, Lee WJ, Shin DG, Yu YS, Chung H. FasL expression in experimental autoimmune uveitis. *J Korean Ophthalmol Soc* 2002;43:392-399
153. Lee CK, Yu HG. Orbital anatomy of child with intermittent exotropia. *J Korean Ophthalmol Soc* 2001;44:1440-144
154. Yu HG, Lee WJ, Chung H. Apoptosis in experimental autoimmune uveitis. *J Korean Ophthalmol Soc* 2000;41:392-399
155. Yu HG, Chung H. Chronological changes in cell-substratum adhesion of retinal pigment epithelium and cryo-induced dispersion of pigment epithelial cells after giant retinal tear formation. *J Korean Ophthalmol Soc* 2000;41:1373-1381
156. Yu HG, Lee J, Sun DY, Chung H. Effect of platelet-derived growth factor and laminin on retinal pigment epithelial cells. *J Korean Ophthalmol Soc* 2000;41:1647-1655
157. Yu HG, Hyun J, Lee J. Macular blood flow in diabetic patients. *J Korean Ophthalmol Soc* 1999;40:1020-1026
158. Yu HG, and Chung H : Antiproliferative effect of mitomycin C on experimental proliferative vitreoretinopathy in rabbits. *Korean J Ophthalmol* 11:98-105, 1997.
159. Yu HG, and Kim DM : Regional Differences in the Stereometric Parameters of Optic Nerve Head in Primary Open Angle Glaucoma. *J Korean Ophthalmol Soc* 36:1056, 1995.
160. Yu HG, Khwarg SI, Yu YS : Cryotherapy and Myopia in Patients with Retinopathy of Prematurity. *J Korean Ophthalmol Soc* 36:636, 1995.
161. Yu HG, and Lee JH : Clinical Effect on Cataract Patient of Quninax®(sodium Azapentacene poly sulfate). *The New Medical Journal* 38 :81, 1995.
162. Yu HG, and Chung H : Results of Vitreous Surgery for Posterior Complications of Chronic Uveitis. *Korean J Ophthalmol* 8:20, 1994.
163. Yu HG, and Kim DM : Stereometric Parameters of Optic Nerve Head in Normal-Tension Glaucoma by Computerized Image Analyzer. *J Korean Ophthalmol Soc* 35:1645, 1994.
164. Yu HG, and Lee JH : The Effect of Cataract Surgery on the Number of Corneal Endothelial Cell in Diabetes Mellitus Patients. *J Korean Ophthalmol Soc* 35:253-8, 1994

B. coauthor

1. Hwang JY, Byun MS, Choe YM, Lee JH, Yi D, Choi JW, Hwang SH, Lee YJ, Lee DY; KBASE Research Group Moderating effect of APOE ε4 on the relationship between sleep-wake cycle and brain β-amyloid. *Neurology*. 2018 Mar 27;90(13):e1167-e1173. doi: 10.1212/WNL.00000000000005193. Epub 2018 Feb 28. PMID: 29490913
2. Yoon YH, Kim JW, Lee JY, Kim IT, Kang SW, **Yu HG**, Koh HJ, Kim SS, Chang DJ, Simonyi S. Dexamethasone Intravitreal Implant for Early Treatment and Retreatment of

Macular Edema Related to Branch Retinal Vein Occlusion: The Multicenter COBALT Study. *Ophthalmologica*. 2018 Apr 11. doi: 10.1159/000487547. [Epub ahead of print] PMID: 29642062

3. Eldem B, Lai TYY, Ngah NF, Vote B, **Yu HG**, Fabre A, Backer A, Clunas NJ. An analysis of ranibizumab treatment and visual outcomes in real-world settings: the UNCOVER study. *Graefes Arch Clin Exp Ophthalmol*. 2018 Mar 3. doi: 10.1007/s00417-017-3890-8. [Epub ahead of print] PMID: 29502232
4. Lee WJ, Kim YK, Kim YW, Jeoung JW, Kim SH, Heo JW, **Yu HG**, Park KH. Rate of Macular Ganglion Cell-inner Plexiform Layer Thinning in Glaucomatous Eyes with Vascular Endothelial Growth Factor Inhibition. *J Glaucoma*. 2017 Nov;26(11):980-986. doi: 10.1097/IJG.0000000000000776.
5. Bae JH, Hwang AR, Kim CY, **Yu HG**, Koh HJ, Yang WI, Chang HR, Lee SC. Intravitreal itraconazole inhibits laser-induced choroidal neovascularization in rats. *PLoS One*. 2017 Jun 30;12(6):e0180482. doi: 10.1371/journal.pone.0180482. eCollection 2017. PMID: 28666022
6. Kim J, Hwang Y, **Yu HG**, Park SK. Reply to the Letter to the Editor, "Association between Exposure to Smartphones and Ocular Health in Adolescents". *Ophthalmic Epidemiol*. 2016 Aug;23(4):269-76. doi: 10.3109/09286586.2015.1136652. PMID: 27254040
7. Kim HB, Myung SJ, **Yu HG**, Chang JY, Shin CS. Influences of Faculty Evaluating System on Educational Performance of Medical School Faculty. *Korean J Med Educ*. 2016 Sep;28(3):289-94. doi: 10.3946/kjme.2016.34. PMID: 27363501
8. Cho H, Shin YU, Siegel NH, **Yu HG**, Sobrin L, Patel A, Durand ML, Miller JW, Husain D. Endogenous Endophthalmitis in the American and Korean Population: An 8-year Retrospective Study. *Ocul Immunol Inflamm*. 2016 Jul 26:1-8. [Epub ahead of print] PMID: 27459423
9. Holz FG, Tufail A, Leveziel N, Lai TY, Lanzetta P, Wong TY, **Yu HG**, Chen YX, Heinrichs N, Pilz S, Ohno-Matsui K; RADIANCE Study Group. Ranibizumab in Myopic Choroidal Neovascularization: A Subgroup Analysis by Ethnicity, Age, and Ocular Characteristics in RADIANCE. *Ophthalmologica*. 2016;236(1):19-28. doi: 10.1159/000446027. PMID: 27270597
10. Kim J, Hwang Y, Kang S, Kim M, Kim TS, Kim J, Seo J, Ahn H, Yoon S, Yun JP, Lee YL, Ham H, **Yu HG**, Park SK. Association between Exposure to Smartphones and Ocular Health in Adolescents. *Ophthalmic Epidemiol*. 2016 Aug;23(4):269-76. doi: 10.3109/09286586.2015.1136652. PMID: 27254040
11. Kim J, Hwang Y, **Yu HG**, Park SK. Reply to the Letter to the Editor, "Association between Exposure to Smartphones and Ocular Health in Adolescents". *Ophthalmic Epidemiol*. 2016 Dec;23(6):419. Epub 2016 Aug 23. PMID: 27552591
DOI:10.1080/09286586.2016.1212993
12. Cao S, Chee SP, Yu HG, Sukavatcharin S, Wu L, Kijlstra A, Hou S, Yang P. Investigation of the association of Vogt-Koyanagi-Harada syndrome with IL23R-C1orf141 in Han Chinese Singaporean and ADO-ZNF365-EGR2 in Thai. *Br J Ophthalmol*. 2016 Mar;100(3):436-42. doi: 10.1136/bjophthalmol-2015-307366. Epub 2015 Dec 1. PMID:26628628
13. Shim SH, Kim SG, Bae JH, Yu HG, Song SJ. Risk Factors for Progression of Early Age-Related Macular Degeneration in Koreans. *Ophthalmic Epidemiol*. 2016 Apr;23(2):80-7. doi: 10.3109/09286586.2015.1129425. PMID: 26950426

14. Cho BJ, Seo JM, Yu HG, Chung H. Monocular retinal degeneration induced by intravitreal injection of sodium iodate in rabbit eyes. *Jpn J Ophthalmol*. 2016 May;60(3):226-37. doi: 10.1007/s10384-016-0429-1. Epub 2016 Feb 23. PMID: 26902976
15. Jin J, Min H, Kim SJ, Oh S, Kim K, **Yu HG**, Park T, Kim Y. Development of Diagnostic Biomarkers for Detecting Diabetic Retinopathy at Early Stages Using Quantitative Proteomics. *J Diabetes Res*. 2016;2016:6571976. doi: 10.1155/2016/6571976. Epub 2015 Nov 9. PMID: 26665153
16. Lee EK, Heo JW, Yu HG, Chung H. Recovery of foveal photoreceptor integrity after vitrectomy in eyes with an impending macular hole with vitreomacular traction syndrome. *Retina*. 2016 Aug;36(8):1454-62. doi: 10.1097/IAE.0000000000000934. PMID: 26710308
17. Lee WJ, Cho HY, Kim DH, Yu HG, Oh J, Kim JS, Moon SW. Depression of Late Age-Related Macular Degeneration Patients in Korea. *Asia Pac J Ophthalmol (Phila)*. 2013 Jan-Feb;2(1):23-7. doi: 10.1097/APO.0b013e31827be8b1. PMID: 26107864
18. Cheng CY, Yamashiro K, Chen LJ, Ahn J, Huang L, Huang L, Cheung CM, Miyake M, Cackett PD, Yeo IY, Laude A, Mathur R, Pang J, Sim KS, Koh AH, Chen P, Lee SY, Wong D, Chan CM, Loh BK, Sun Y, Davila S, Nakata I, Nakanishi H, Akagi-Kurashige Y, Gotoh N, Tsujikawa A, Matsuda F, Mori K, Yoneya S, Sakurada Y, Iijima H, Iida T, Honda S, Lai TY, Tam PO, Chen H, Tang S, Ding X, Wen F, Lu F, Zhang X, Shi Y, Zhao P, Zhao B, Sang J, Gong B, Dorajoo R, Yuan JM, Koh WP, van Dam RM, Friedlander Y, Lin Y, Hibberd ML, Foo JN, Wang N, Wong CH, Tan GS, Park SJ, Bhargava M, Gopal L, Naing T, Liao J, Ong PG, Mitchell P, Zhou P, Xie X, Liang J, Mei J, Jin X, Saw SM, Ozaki M, Mizoguchi T, Kurimoto Y, Woo SJ, Chung H, Yu HG, Shin JY, Park DH, Kim IT, Chang W, Sagong M, Lee SJ, Kim HW, Lee JE, Li Y, Liu J, Teo YY, Heng CK, Lim TH, Yang SK, Song K, Vithana EN, Aung T, Bei JX, Zeng YX, Tai ES, Li XX, Yang Z, Park KH, Pang CP, Yoshimura N, Wong TY, Khor CC. New loci and coding variants confer risk for age-related macular degeneration in East Asians. *Nat Commun*. 2015 Jan 28;6:6063. doi: 10.1038/ncomms7063. PMID: 25629512
19. Han SY, Bae JH, Oh J, Yu HG, Song SJ. Intravitreal ranibizumab for subfoveal choroidal neovascularization from age-related macular degeneration with combined severe diabetic retinopathy. *Diabetes Metab J*. 2015 Feb;39(1):46-50. doi: 10.4093/dmj.2015.39.1.46. Epub 2015 Feb 16. PMID: 25729712
20. Boyer DS, Yoon YH, Belfort R Jr, Bandello F, Maturi RK, Augustin AJ, Li XY, Cui H, Hashad Y, Whitcup SM; Ozurdex MEAD Study Group. Three-year, randomized, sham-controlled trial of dexamethasone intravitreal implant in patients with diabetic macular edema. *Ophthalmology*. 2014 Oct;121(10):1904-14. doi: 10.1016/j.opht.2014.04.024. Epub 2014 Jun 4. PMID: 24907062
21. Ogura Y, Roider J, Korobelnik JF, Holz FG, Simader C, Schmidt-Erfurth U, Vitti R, Berliner AJ, Hiemeyer F, Stemper B, Zeitz O, Sandbrink R; GALILEO Study Group; GALILEO Study Group. Intravitreal Aflibercept for Macular Edema Secondary to Central Retinal Vein Occlusion: 18-Month Results of the Phase 3 GALILEO Study. *Am J Ophthalmol*. 2014 Nov;158(5):1032-1038.e2. doi: 10.1016/j.ajo.2014.07.027. Epub 2014 Jul 25. PMID: 25068637
22. Park UC, Kim TW, Yu HG. Immunopathogenesis of Ocular Behçet's Disease. *J Immunol Res*. 2014;2014:653539. doi: 10.1155/2014/653539. Epub 2014 Jul 2. PMID: 25061613
23. Yoon SC, Lee HJ, Ko JM, Kang HG, Cheong HI, Yu HG, Kim JH. Two siblings with Bardet-Biedl syndrome caused by mutations in BBS10: the first case identified in Korea. *J Genet Med*. 2014 Jun;11(1):31-35. English. <http://dx.doi.org/10.5734/JGM.2014.11.1.31>

24. Wong TY, Ohno-Matsui K, Leveziel N, Holz FG, Lai TY, Yu HG, Lanzetta P, Chen Y, Tufail A. Myopic choroidal neovascularisation: current concepts and update on clinical management. *Br J Ophthalmol*. 2015 Mar;99(3):289-296. doi: 10.1136/bjophthalmol-2014-305131. Epub 2014 Jul 1. Review. PMID:24990871
25. Ahn SJ, Woo SJ, Jin Y, Chang YS, Kim TW, Ahn J, Heo JW, Yu HG, Chung H, Park KH, Hong ST. Clinical features and course of ocular toxocariasis in adults. *PLoS Negl Trop Dis*. 2014 Jun 12;8(6):e2938. doi: 10.1371/journal.pntd.0002938. eCollection 2014 Jun. PMID:24922534
26. Cha DM, Kim TW, Heo JW, Woo SJ, Park KH, Yu HG, Chung H. Comparison of 1-year therapeutic effect of ranibizumab and bevacizumab for myopic choroidal neovascularization: a retrospective, multicenter, comparative study. *BMC Ophthalmol*. 2014 May 21;14(1):69. doi: 10.1186/1471-2415-14-69. PMID:24884970
27. Oh J, Kim SH, Kim YJ, Lee H, Cho JH, Cho YH, Kim CK, Lee TJ, Lee S, Park KH, Yu HG, Lee HJ, Jun SC, Kim JH. Detection of retinitis pigmentosa by differential interference contrast microscopy. *PLoS One*. 2014 May 8;9(5):e97170. doi: 10.1371/journal.pone.0097170. eCollection 2014. PMID:24810005
28. Lim HW, Shin JW, Cho HY, Kim HK, Kang SW, Song SJ, Yu HG, Oh JR, Kim JS, Moon SW, Chae JB, Park TK, Song Y. Endogenous endophthalmitis in Korean population: A Six-Year Retrospective Study. *Retina*. 2014 Mar;34(3):592-602
29. Kang EH, Park JW, Park C, Yu HG, Lee EB, Park MH, Song YW. Genetic and non-genetic factors affecting the visual outcome of ocular Behcet's disease. *Hum Immunol*. 2013 Oct;74(10):1363-7. doi: 10.1016/j.humimm.2013.06.036. Epub 2013 Jul 2.
30. Moon SW, Oh J, Yu HG, Cho HY, Song SJ. Incidence and Risk Factors for Macular Hemorrhage Following Intravitreal Ranibizumab Injection for Neovascular Age-Related Macular Degeneration. *Ocul Pharmacol Ther*. 2013 Jul-Aug;29(6):556-9. doi: 10.1089/jop.2012.0148. Epub 2013 Mar 12. PMID : 23480269
31. Suh MH, Kim SH, Park KH, Yu HG, Huh JW, Kim DM. Optic disc rim area to retinal nerve fiber layer thickness correlation: comparison of diabetic and normal tension glaucoma eyes. *Jpn J Ophthalmol*. 2013 Mar;57(2):156-65 PMID : 23188511
32. Ahn SJ, Kim TW, Ahn J, Huh JW, Yu HG, Chung H. Associated factors and treatment outcome of presumed noninfectious endophthalmitis occurring after intravitreal triamcinolone acetonide injection. *Graefes Arch Clin Exp Ophthalmol*. 2013 Mar ;251(3):715-23 PMID : 22820815
33. Ahn SJ, Kim TW, Huh JW, Yu HG, Chung H. Comparison of Features on SD-OCT between Acute Central Serous Chorioretinopathy and Exudative Age-Related Macular Degeneration. *Ophthalmic Surg Lasers Imaging*. 2012 Jul 5:1-9.
34. Hong IH, Yu HG, Park SP. Suppression of VEGF and Decrease in Vascular Leakage by Pyridoxal 5'-Phosphate in Diabetic Rats. *J Korean Ophthalmol Soc*. 2012 May;53(5):700-706.
35. Woo SJ, Han JM, Ahn J, Heo JW, Yu HG, Chung H, Song J, Park KU, Park KH. Bilateral same-day intravitreal injections using a single vial and molecular bacterial screening for safety surveillance. *Retina*. 2012 Apr;32(4):667-71.
36. Kim M, Yu SY, Kim ES, Bae SH, Park JH, Yu HG, Kwak HW. Intravitreal Ranibizumab for Macular Edema Secondary to Retinal Vein Occlusion. *Ophthalmologica*. 2012;227(3):132-8. Epub 2011 Dec 29.

37. Oh J, Jung JH, Moon SW, Song SJ, Yu HG, Cho HY. Commotio retinae with spectral-domain optical coherence tomography. *Retina*. 2011;31(10):2044-49.
38. Kim KJ, Kim C, Bok J, Kim KS, Lee EJ, Park SP, Chung H, Han BG, Kim HL, Kimm K, Yu HG, Lee JY. Spectrum of rhodopsin mutations in Korean patients with retinitis pigmentosa. *Mol Vis*. 2011;17:844-53.
39. Shin JY, Woo SJ, Yu HG, Park KH. Comparison of efficacy and safety between half-fluence and full-fluence photodynamic therapy for chronic central serous chorioretinopathy. *Retina*. 2011 Jan;31(1):119-26.
40. Kim JJ, Yu HG, Ku SY. Sex Steroid Hormone and Ophthalmic Disease. *Korean J Reprod Med*. 2010 Jun;37(2):89-98.
41. Kim K, Yu J, Min H, Kim H, Kim B, Yu HG, Kim Y. Online monitoring of immunoaffinity-based depletion of high-abundance blood proteins by UV spectrophotometry using enhanced green fluorescence protein and FITC-labeled human serum albumin. *Proteome Sci*. 2010 Dec 1;8(1):62. PMID : 21122139
42. Kim C, Yu HG, Sohn J. The Anti-angiogenic Effect of Chlorogenic Acid on Choroidal Neovascularization. *Korean J Ophthalmol*. 2010 Jun;24(3):163-168.
43. Park KH, Song SJ, Lee WK, Yoon HS, Koh HJ, Kim CG, Kim YY, Kang SW, Kim HK, Lee BR, Nam DH, Lee PY, Kim HS, Kim HC, Kim SY, Kim IY, Kim GS, Huh K, Oh JR, Kim SD, Lee SJ, Kim YD, Kim SH, Lee TG, Joe SW, Lee DC, Chang MH, Kim SD, Joe YW, Bae SR, Lee JE, Oum BS, Yoon IH, Kwon SI, Kang JH, Kim JI, Moon SW, Yu HG, Yoon YH, Chang GY, Lee SC, Lee SJ, Park TK, Ohn YH, Kwon OW, Chang WH, Yang YS, Lee SJ, Lee SY, Kim CR, Lee JH, Moon YS, Ahn JK, Joe NC, Choi GJ, Joe YJ, Kim SK, Park SP, Nam WH, Joe HY, Kim JH, Chung H. The Results of Nation-Wide Registry of Age-related Macular Degeneration in Korea. *J Korean Ophthalmol Soc*. 2010 Apr;51(4):516-523.
44. Kim K, Kim SJ, Yu HG, Yu J, Park KS, Jang IJ, Kim Y. Verification of biomarkers for diabetic retinopathy by multiple reaction monitoring. *J Proteome Res*. 2010 Feb 5;9(2):689-99.
45. Lee SH, Park KH, Kim JH, Heo JW, Yu HG, Yu YS, Chung H. Secondary macular hole formation after vitrectomy. *Retina*. 2010 Jul-Aug;30(7):1072-7.
46. Lee SH, Woo SJ, Park KH, Kim JH, Song JH, Park KU, Heo JW, Yu HG, Yu YS, Chung H. *Serratia marcescens* endophthalmitis associated with intravitreal injections of bevacizumab. *Eye (Lond)*. 2010 Feb;24(2):226-32. doi: 10.1038/eye.2009.86. Epub 2009 May 1
47. Lee EJ, Kim TW, Heo JW, Yu HG, Chung H. Natural killer/T-cell lymphoma of nasal type with intraocular involvement: case report. *Eur J Ophthalmol* 2010 Jan-Feb;20(1):215-7
48. Jeoung JK, Cho YJ, Yu HG, Park SP. A Case of Isolated Choroidal Cystic Lesion With Good Visual Acuity. *J Korean Ophthalmol Soc*. 2009 Nov;50(11):1740-1744.
49. Youm DJ, Oh HS, Yu HG, Song SJ. The Prevalence of Vitreoretinal Diseases in a Screened Korean Population 50 Years and Older. *J Korean Ophthalmol Soc*. 2009 Nov;50(11):1645-1651.
50. An JH, Cho YM, Yu HG, Jang HC, Park KS, Kim SY, Lee HK. The Clinical Characteristics of Normoalbuminuric Renal Insufficiency in Korean Type 2 Diabetic Patients: A Possible Early Stage Renal Complication. *J Korean Med Sci*. 2009 Jan;24(Suppl 1):S75-S81.

51. KH Park, J-M Hwang, JH Kim, HG Yu, YS Yu, H Chung. Intraoperative extraocular indocyanine Green (IE_ICG) dye test: a new method of detecting a peeled internal limiting membrane. *Br J Ophthalmol* . 2008;92: 369-372.
52. Kim MJ, Park KH, Hwang JM, Yu HG, Yu YS, Chung H. The Safety and Efficacy of Transconjunctival Sutureless 23-gauge Vitrectomy. *Korean J Ophthalmol*. 21(4):201-207, 2007.
53. Ahn JK, Park YG, Park SW, Yoon KC, Yu HG, Chung H. Combined Low Dose Cyclosporine and Prednisone Down-Regulate Natural Killer Cell-Like Effector Functions of CD8brightCD56+ T Cells in Patients with Active Behcet Uveitis. *Ocul Immunol Inflamm*. 14:267-75, 2006.
54. Ahn JK, Yu HG, Chung H, Park YG. Intraocular cytokine environment in active Behcet uveitis. *Am J Ophthalmol*. 142:429-34, 2006
55. Ahn JK, Seo JM, Chung H, Yu HG. Anatomical and functional characteristics in atrophic maculopathy associated with spinocerebellar ataxia type 7. *Am J Ophthalmol*. 2005;139(5):923-5.
56. Jong-Mo Seo, Sung June Kim, Hum Chung, Eui Tae Kim, Hyeong Gon Yu and Young Suk Yu. Biocompatibility of polyimide microelectrode array for retinal stimulation. *Materials Science and Engineering: C* 24/1-2 :185-189, 2003
57. Lee ES, Kim HS, Bang D, Yu HG, Chung H, Shin DH, Song YW, Park YB, Lee SK, Shin SK, Kim WH, Choi J, Park BJ, Lee S. Development of clinical activity form for Korean patients with Behcet's disease. *Adv Exp Med Biol*. 528:153-6, 2003.
58. Kim SJ, Yu HG, Yu YS, Chung H, Chang BL. Cortical responses evoked by the light and electricity in the rabbit retina. *J Korean Ophthalmol Soc* 44:732-737, 2003
59. Ahn JK, Chung H, Yu HG. Natural history and visual prognosis of idiopathic choroidal neovascularization. *J Korean Ophthalmol Soc* 44:655-662, 2003
60. Seo J, Park KS, Yu HG, Chung H. Geometric changes of the eye with an encircling scleral buckle. *J Korean Ophthalmol Soc* 43:1072-1080, 2002
61. Kim NJ, Yu HG, Yu YS, Chung H. Fas/FasL expression in the anterior chamber cells of patients with chronic noninfectious uveitis. *J Korean Ophthalmol Soc* 43:2017-2020, 2002
62. Park KH, Yu HG, Yu YS, Park KH, Chung H, Lee J. Surgical treatment of subretinal neovascular membrane. *Korean J Ophthalmol* 13:30-35, 1999
63. Khwarg SI, Yu HG, Yu, YS : The Outcome of Cryotherapy for Retinopathy of Prematurity (ROP) According to ROP Location. *Korean J Ophthalmol* 10:92-6, 1996.

Books

1. Yu HG: Chap. Vitreoretinal Degeneration: Retina (Korean Retina Society, Ed.), 2004
2. Yu HG: Chap. Macular Dystrophy: Retina (Korean Retina Society, Ed.), 2004, 2010, 2014
3. Yu HG and Ham DI: Chap. Ocular Immunology: Retina (Korean Retina Society, Ed.), 2004
4. Yu HG: Chap. Uveitis: Ophthalmology (Korean Ophthalmology Society, Ed.), 2005
5. Yu HG: Inherited retinal diseases (Seoul National University Press, 2011, chief editor)
6. Yu HG: Age-related Macular Degeneration (NaonNuri 2011)
7. Yu HG: Ophthalmic Laser Treatment (Naewae Haksool, 2012)
8. Yu HG: Fundus Examination (Naewae Haksool, 2013)
9. Kim HK and Yu HG: Asian Retina (Korean Elsevier 2013, chief editor)
10. Yu HG and Kim TW: Chap. 123. Diagnostic and Therapeutic Vitrectomy for Uveitis, Retina (Elsevier 2013)

11. Yu HG and Kim TW: Chap. 123. Diagnostic and Therapeutic Vitrectomy for Uveitis, Retina (Elsevier 2017)
12. Yu HG, Park UC, Yoon CK. Chapter Retinitis Pigmentosa in Korean Patients. Jan 2017
Advances in Vision Research, Volume I

Narrative Report

Currently, I am a professor of Seoul National University(SNU) College of Medicine and in charge of the Retina and Uveitis service in Seoul National University Hospital(SNUH). Three fellows are trained every year in the Retina and Uveitis Service of SNUH. I am doing 600~700 vitreoretinal surgeries in a year and see more than 15,000 patients in the clinic every year. I have set up two special clinics in the SNUH, the uveitis clinic and the hereditary retinal disease clinic. I serve as a principal investigator or co-investigator in many clinical trials.

As an ophthalmologist with subspecialty expertise in the retina, I am committed to studying pathogenic mechanisms of retinal disease and developing novel therapeutic intervention. My research interests focus on clinical and translation research on retinal degeneration associated with age-related and hereditary retinal degeneration, vascular retinopathy and ocular inflammatory diseases. I was the first recipient of the Korean Retina Society Academy Award in 2005 and received the Award again in 2011. Ongoing projects are stem cell research, novel therapeutics for AMD and drug delivery using nano-particles. Research is a high-priority of my effort. In 2015, I was a recipient of SNUH Academic Award from Seoul National University Hospital. In 2016, I became Chair of the Department of Experimental Animal Research of SNUH Bioresearch Institute.

As a professor of SNU College of Medicine, I focus on educating future leaders in ophthalmology through clinics, procedures, surgeries, lectures and conferences. In addition to SNU medical students, I have supervised more than 10 Ph.D. students over 10 years. Many of the students are now junior professors of university hospitals.

I have published over 200 scientific papers including over 150 papers in international journals. I was also a chief editor in many books such as Asian Retina, Ophthalmic laser treatment, inherited retinal diseases and Uveitis (Korean Elsevier) and participated as a chapter author in several textbooks such as Retina (Mosby) and Advances in Vision Research Volume I and II (Springer).

In 2014, I started a nonprofit organization, the Korean Association of Retinal Degeneration (www.kard.or.kr) to support novel researches for the treatment of blinding retinal degeneration and lead the KARD as a president. From 1999, I am an active member of the Korean Retina Society (KRS). I served KRS as the Secretary General for two years (2016-2017). Also I have been actively participating in many international academic societies as a council member or a faculty including MS(Macula Society), IUSG(International Uveitis Society Group), ISBD (international society of Behcet disease), APAO(Asia Pacific Academy of Ophthalmology) and APVRS (Asia Pacific Vitreo-Retinal Society) and contributed to the development of ophthalmic researches in Asia-Pacific region. In 2016 and 2017, I was a recipient of Distinguished Service Award from the APAO.