



Theodore Leng, MD, FACS

Assistant Professor of Ophthalmology and, by courtesy, of Anesthesiology, Perioperative and Pain Medicine at the Stanford University Medical Center

 NIH Biosketch available Online

CLINICAL OFFICES

- **Stanford Byers Eye Institute**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Sara Horca - Administrative Associate

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Bio

BIO

CURRENTLY ACCEPTING NEW PATIENTS. NO REFERRAL NECESSARY

*** Dr. Leng sees patients with retinal conditions at the Byers Eye Institute at Stanford in Palo Alto, CA. If you wish to make an appointment, please call 650-723-6995 and ask to speak with Maree del Castillo or Sonia Orellana. ***

Dr. Leng is considered to be one of the top 150 worldwide leading innovators in the field of medical and surgical retina and serves the Department of Ophthalmology as both the Director of Clinical and Translational Research and the Director of Ophthalmic Diagnostics.

He is a board-certified ophthalmologist and fellowship-trained vitreoretinal surgeon. Dr. Leng specifically focuses on surgery for macular holes, epiretinal membranes and macular pucker, and performs several of these types of surgery on a weekly basis. Dr. Leng uses the latest techniques and small-incisional sutureless technology to minimize patient discomfort and maximize functional outcomes.

Dr. Leng's medical retina specialties include the diagnosis and treatment of macular degeneration, diabetic retinopathy, diabetic macular edema and retinal vein occlusions. Dr. Leng is committed to bringing the highest level of patient-centered care for all types of retinal conditions.

BIOGRAPHY

Theodore Leng, MD, MS, FACS received his AB in Philosophy and BS in Biological Sciences from Stanford University, graduating with Departmental Honors. He received his Masters of Science in Biological Sciences from Stanford University while conducting research at the Hopkins Marine Station in Pacific Grove, CA on cellular ion membrane channels. Dr. Leng received his medical degree from the Stanford University School of Medicine, during which he completed a Howard Hughes Medical Institute Research Training Fellowship.

Dr. Leng completed his ophthalmology residency at Bascom Palmer Eye Institute, the highest ranked eye hospital and residency training program in the country. He was awarded the Heed Fellowship, the most prestigious national award for ophthalmologists entering a career in academic medicine. Dr. Leng returned to Stanford University to complete a fellowship in vitreoretinal diseases and surgery and was awarded the Paul Kayser International Travel Scholarship to work in Santiago, Chile. He has been a full-time faculty member of the Stanford University Department of Ophthalmology since 2010 and has been named one of "America's Top Ophthalmologists" by the Consumers' Research Council of America and is a Castle Connolly "Top Doctor."

In addition to his clinical practice, Dr. Leng has a vibrant clinical and basic science research program and has published over 200 peer-reviewed scientific manuscripts, book chapters and abstracts. He is frequently invited to speak at national and international meetings. Dr. Leng serves as the Associate Editor of the peer-reviewed journal, *Ophthalmic Surgery Lasers & Imaging Retina*.

Dr. Leng is a Fellow of the American Academy of Ophthalmology and the American College of Surgeons. He is also a member of the Association for Research in Vision and Ophthalmology, the Retina Society, the Macula Society, the Vit-Buckle Society, as well as the American Society of Retina Specialists. He volunteers his time in medical student free clinics and also flies patients as a Command Pilot for the Angel Flight West organization. Dr. Leng recently served as the President of the Stanford Medicine Alumni Association to support its mission of reaching, inspiring, serving and engaging over 26,000 Stanford Medicine alumni.

CLINICAL FOCUS

- Macular Degeneration, Diabetic Retinopathy, Retinal Vascular Disease, Retinal Detachment Surgery
- Macular Edema, Macular Hole Surgery, Epiretinal Membrane, Endophthalmitis
- Branch and Central Retinal Vein Occlusion, Macular Pucker
- Lens Dislocation and Subluxation, Complications of Cataract Surgery
- Ophthalmology

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Ophthalmology
- Assistant Professor - Med Center Line (By courtesy), Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Clinical and Translational Research, (2015- present)
- Director, Ophthalmic Diagnostics, (2010- present)
- Director, Stanford Ophthalmic Reading Center (STARC), (2016- present)
- Member, Stanford EPIC Provider SuperUser Network (SUN), (2016- present)
- IT Physician Advocate, Stanford Healthcare, (2015- present)

- Ophthalmology Department Liaison, Stanford Healthcare Main Operating Rooms, (2013-2017)

HONORS AND AWARDS

- Honor Award, American Society of Retina Specialists (2019)
- Top Doctor, Castle Connolly (2017, 2018, 2019)
- Achievement Award, American Academy of Ophthalmology (2017)
- OSN Retina 150, Healio (2016)
- Certificate of Recognition for a Technical Innovation, NASA (2015)
- America's Top Ophthalmologists, Consumer's Research Council of America (2012 - 2014)
- Heed Fellowship, Heed Ophthalmic Foundation (2010)
- Mentoring Program in Ophthalmology Scholarship, Annenberg Center for Health Sciences at Eisenhower (2009)
- Paul Kayser International Travel Scholar, Pan-American Ophthalmological Foundation (2009)
- ARVO Travel Award, National Eye Institute (2003)
- Certificate of Recognition for Technical Innovation, NASA (2003)
- Certificate of Recognition for a US Patent, NASA (2003)
- Howard Hughes Medical Institute Research Training Fellowship, Howard Hughes Medical Institute (2003)
- Medical Scientist Research Fellowship, Stanford Medical Scholars Program (2003)
- AMA Travel Award, American Medical Association (2001)
- Baxter Foundation Scholar, Stanford Medical Scholars Program (2001)
- Kolos Scholar, Stanford Medical Scholars Program (2001)
- Award for Excellence in Teaching, Stanford Department of Biological Sciences (2000)
- Firestone Medal for Excellence in Research, Stanford University (1999)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, Ophthalmic Surgery, Lasers, and Imaging Retina (2016 - present)
- President, Stanford Medicine Alumni Association Board of Governors (2015 - 2017)
- Fellow, American Academy of Ophthalmology (2011 - present)
- Fellow, American College of Surgeons (2012 - present)
- Member, The Retina Society (2014 - present)
- Member, The Macula Society (2016 - present)
- Member, American Society of Retina Specialists (2009 - present)
- Member, Vit-Buckle Society (2012 - present)
- Life Member, Society of Heed Fellows (2012 - present)
- Member, Association for Research in Vision and Ophthalmology (2001 - present)
- Director, Stanford Medicine Alumni Association Board of Governors (2010 - present)
- Editorial Board Member, Ophthalmic Surgery, Lasers, and Imaging Retina (2012 - present)
- Editorial Board Member, American Society of Retina Specialists Retina Image Bank (2013 - present)
- Member, American Academy of Ophthalmology EyeWiki Retina/Vitreous Section Committee (2014 - present)
- Editorial Board Member, Journal of Ophthalmology (2013 - present)
- Editorial Board Member, The Open Ophthalmology Journal (2014 - present)

- Editorial Board Member, Journal of Ophthalmic Research (2013 - present)
- Editorial Board Member, Journal of Clinical & Medical Case Reports (2013 - present)
- Member, Howard Hughes Medical Institute Bay Area Alumni Network Steering Committee (2012 - present)
- Member, Ophthalmology Innovation Network (2012 - present)
- Medical and Surgical Retina Section Editor, The Eye Handbook (2012 - present)
- Lead Faculty Member, WebMedCentral (2011 - present)
- Contributing Editor, OphthalmologyWeb (2008 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Retina and Vitreous Fellowship (2010) CA
- Residency: Bascom Palmer Eye Institute Ophthalmology Training (2009) FL
- Board Certification: Ophthalmology, American Board of Ophthalmology (2010)
- Internship: Huntington Memorial Hospital (2006) CA
- Medical Education: Stanford School of Medicine (2005) CA
- MS, Stanford University , Biological Sciences (2000)
- AB/BS, Stanford University , Philosophy & Biological Sciences (1999)

COMMUNITY AND INTERNATIONAL WORK

- Angel Flight West
- Veterans Airlift Command
- Arbor Free Clinic, Menlo Park
- Haitian Eye Initiative, Cap Haitian, Milot, Thomonde

LINKS

- Leng Research Group: <http://med.stanford.edu/leng.html>
- VisionMD.org: <http://visionmd.org>
- Twitter: <https://twitter.com/tedleng>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Leng was the first surgeon in California to perform a subretinal transplant of adult neural stem cells into patients with macular degeneration and is actively researching cellular, biologic and laser-based therapies for macular degeneration. He also has an active program in imaging informatics and deep learning to perform big data analyses of retinal scans to identify patients who are at risk for retinal disease deterioration. The end goal is earlier detection and rapid treatment to maximize visual outcomes.

Dr. Leng is considered a leading expert on optical coherence tomography (OCT), a non-invasive and non-contact imaging technique for the retina. He is also a leader in OCT-based angiography (OCTA), a novel way of imaging the microvasculature of the retina.

CLINICAL TRIALS

- A Study Investigating the Safety and Efficacy of Lampalizumab Intravitreal Injections in Participants With Geographic Atrophy Secondary to Age-Related Macular Degeneration, Recruiting
- Efficacy and Safety Study of Squalamine Ophthalmic Solution in Subjects With Neovascular AMD, Recruiting

- Long-Term Follow-up Safety Study of Human Central Nervous System Stem Cells in Subjects With Geographic Atrophy of Age-Related Macular Degeneration, Recruiting
- Phase 2/3, Randomized, Double-Masked, Sham-Controlled Trial of QPI-1007 in Subjects With Acute Nonarteritic Anterior Ischemic Optic Neuropathy (NAION), Recruiting
- Safety and Efficacy of Abicipar Pegol in Patients With Neovascular Age-related Macular Degeneration, Recruiting
- Study of Human Central Nervous System Stem Cells (HuCNS-SC) in Age-Related Macular Degeneration (AMD), Recruiting
- Study of of APL-2 Therapy in Patients Geographic Atrophy, Recruiting
- Vision Outcomes Using Quantitative Optical Coherence Tomography Evaluation in Age Related Macular Degeneration, Recruiting
- Endogenous Endophthalmitis in the Inpatient Setting, Not Recruiting
- Outcomes of Diabetic Macula Edema Patients Switched to Aflibercept From Bevacizumab and/or Ranibizumab, Not Recruiting
- Rates of Apnea in Patients Undergoing Vitreoretinal Surgery, Not Recruiting
- Study Evaluating Intravitreal hI-con1™ in Patients With Choroidal Neovascularization Secondary to Age-related Macular Degeneration, Not Recruiting
- Study of Bimonthly VEGF Trap-Eye Compared to As-needed Administration or Other Therapy for Exudative Age-Related Macular Degeneration, Not Recruiting
- Study of HUCNS-SC Subretinal Transplantation in Subjects With GA of AMD, Not Recruiting

PROJECTS

- Automated Analysis of Retinal OCT Images - Stanford University (2012 - present)

Publications

PUBLICATIONS

- **Imaging, Genetic, and Demographic Factors Associated With Conversion to Neovascular Age-Related Macular Degeneration: Secondary Analysis of a Randomized Clinical Trial.** *JAMA ophthalmology*
Hallak, J. A., de Sisternes, L., Osborne, A., Yaspan, B., Rubin, D. L., Leng, T.
2019
- **Preventing Progression in Nonexudative Age-Related Macular Degeneration With Subthreshold Laser Therapy: A Systematic Review** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Eng, V. A., Wood, E. H., Boddu, S., Karth, P. A., Leng, T.
2019; 50 (3): E61–E70
- **Thomas A. Swift's Electric Rifle Injuries to the Eye and Ocular Adnexa: The Management of Complex Trauma.** *Ophthalmology. Retina*
Moysidis, S. N., Koulisis, N., Rodger, D. C., Chao, J. R., Leng, T., de Carlo, T., Burkemper, B., Ediriwickrema, L. S., George, M. S., Jiang, Y., Bohm, K. J., Gulati, S., Torres, et al
2019; 3 (3): 258–69
- **Automatically Determining the Confocal Parameters From OCT B-Scans for Quantification of the Attenuation Coefficients** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
Dwork, N., Smith, G. T., Leng, T., Pauly, J. M., Bowden, A. K.
2019; 38 (1): 261–68
- **Reductions in final visual acuity occur even within the first 3 days after a macula-off retinal detachment.** *The British journal of ophthalmology*
Greven, M. A., Leng, T., Silva, R. A., Leung, L. B., Karth, P. A., Moshfeghi, D. M., Sanislo, S. R., Schachar, I. H.
2018
- **Progressive Reductions in Acuity Occur even within the First Three Days After a Macula-Off Retinal Detachment**
Greven, M., Leng, T., Leung, L., Moshfeghi, D. M., Sanislo, S., Silva, R., Schachar, I.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Micro-RNAs in the pathogenesis of epiretinal membrane (ERM) formation**
Kaidonis, G., Stary, C. M., Leng, T.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

- **Automatic identification of referral-warranted diabetic retinopathy using deep learning on mobile phone images**
Leng, T., Greven, M., Smith, S., Ludwig, C., Chang, R., Gargeya, R.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Beyond Retinal Layers: A Deep Voting Model for Automated Geographic Atrophy Segmentation in SD-OCT Images** *TRANSLATIONAL VISION SCIENCE & TECHNOLOGY*
Ji, Z., Chen, Q., Niu, S., Leng, T., Rubin, D. L.
2018; 7 (1): 1
- **Automated detection of foveal center in SD-OCT images using the saliency of retinal thickness maps** *MEDICAL PHYSICS*
Niu, S., Chen, Q., de Sisternes, L., Leng, T., Rubin, D. L.
2017; 44 (12): 6390–6403
- **Valved 25-Gauge Cannula for Vitreous Tap and Injection** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Leng, T., Moshfeghi, D. M.
2017; 48 (11): 916–17
- **En Face Optical Coherence Tomography Angiography Imaging Versus Fundus Photography in the Measurement of Choroidal Nevi** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Lee, M. D., Kaidonis, G., Kim, A. Y., Shields, R. A., Leng, T.
2017; 48 (9): 741–47
- **The superficial and deep retinal capillary plexus in cases of fovea plana imaged by spectral-domain optical coherence tomography angiography.** *American journal of ophthalmology case reports*
Kaidonis, G., Silva, R. A., Sanislo, S. R., Leng, T.
2017; 6: 41–44
- **Automated intraretinal segmentation of SD-OCT images in normal and age-related macular degeneration eyes** *BIOMEDICAL OPTICS EXPRESS*
de Sisternes, L., Jonna, G., Moss, J., Marmor, M. F., Leng, T., Rubin, D. L.
2017; 8 (3): 1926-1949
- **Individual Drusen Segmentation and Repeatability and Reproducibility of Their Automated Quantification in Optical Coherence Tomography Images.** *Translational vision science & technology*
de Sisternes, L., Jonna, G., Greven, M. A., Chen, Q., Leng, T., Rubin, D. L.
2017; 6 (1): 12-?
- **Spectral Domain Optical Coherence Tomography Angiography in Stargardt's Macular Dystrophy.** *Ophthalmology. Retina*
Lee, M., Kaidonis, G., Leng, T.
2017; 1 (5): 452–54
- **Automated detection of foveal center in SD-OCT images using the saliency of retinal thickness maps.** *Medical physics*
Niu, S., Chen, Q., de Sisternes, L., Leng, T., Rubin, D. L.
2017; 44 (12): 6390–6403
- **Automated intraretinal segmentation of SD-OCT images in normal and age-related macular degeneration eyes.** *Biomedical optics express*
de Sisternes, L., Jonna, G., Moss, J., Marmor, M. F., Leng, T., Rubin, D. L.
2017; 8 (3): 1926–49
- **Manual Removal of Intraocular Lens Silicone Oil Droplets and Dystrophic Calcifications Using a Nitinol Loop: A Case Series.** *Ophthalmic surgery, lasers & imaging retina*
Moussa, K., Leng, T., Oatts, J. T., Bhisitkul, R. B., Hwang, D. G., Stewart, J. M.
2017; 48 (5): 422–26
- **Automated Identification of Diabetic Retinopathy Using Deep Learning.** *Ophthalmology*
Gargeya, R., Leng, T.
2017
- **Significant Bilateral Response in Diabetic Macular Edema After Single Unilateral Intravitreal Aflibercept Injection.** *Ophthalmic surgery, lasers & imaging retina*
Rahimy, E., Nyong'o, O., Leng, T.

2017; 48 (2): 167-169

- **Retinotomy Closure Following Subretinal Stem Cell Transplant With a 30-Gauge Needle.** *Ophthalmic surgery, lasers & imaging retina*
Ludwig, C. A., Leng, T.
2016; 47 (9): 869-873
- **Fully Automated Prediction of Geographic Atrophy Growth Using Quantitative Spectral-Domain Optical Coherence Tomography Biomarkers.** *Ophthalmology*
Niu, S., de Sisternes, L., Chen, Q., Rubin, D. L., Leng, T.
2016; 123 (8): 1737-1750
- **En Face Imaging of Epiretinal Membranes and the Retinal Nerve Fiber Layer Using Swept-Source Optical Coherence Tomography.** *Ophthalmic surgery, lasers & imaging retina*
Greven, M. A., Elkin, Z., Nelson, R. W., Leng, T.
2016; 47 (8): 730-734
- **8 Questions with Dr. Moshfeghi.** *Ophthalmic surgery, lasers & imaging retina*
Leng, T., Moshfeghi, D. M.
2016; 47 (8): 786-788
- **PROSPECTIVE TRIAL OF ENDOGENOUS FUNGAL ENDOPHTHALMITIS AND CHORIORETINITIS RATES, CLINICAL COURSE, AND OUTCOMES IN PATIENTS WITH FUNGEMIA** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Paulus, Y. M., Cheng, S., Karth, P. A., Leng, T.
2016; 36 (7): 1357-1363
- **Factors Associated With Poor Response to Aflibercept After Switching From Ranibizumab or Bevacizumab in Neovascular Age-related Macular Degeneration** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Cheng, S., Leng, T.
2016; 47 (5): 458-465
- **Spectral-Domain Optical Coherence Tomography Angiography of Central Retinal Artery Occlusion** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Damento, G., Chen, M. H., Leng, T.
2016; 47 (5): 467-470
- **Multi-Modal Longitudinal Evaluation of Subthreshold Laser Lesions in Human Retina, Including Scanning Laser Ophthalmoscope-Adaptive Optics Imaging.** *Ophthalmic surgery, lasers & imaging retina*
Wood, E. H., Leng, T., Schachar, I. H., Karth, P. A.
2016; 47 (3): 268-275
- **Mobile Health in the Retinal Clinic Population: Access to and Interest in Self-Tracking.** *Ophthalmic surgery, lasers & imaging retina*
Ludwig, C. A., Callaway, N. F., Park, J. H., Leng, T.
2016; 47 (3): 252-257
- **AFLIBERCEPT FOR THE TREATMENT OF RETINAL PIGMENT EPITHELIAL DETACHMENTS.** *Retina (Philadelphia, Pa.)*
He, L., Silva, R. A., Moshfeghi, D. M., Blumenkranz, M. S., Leng, T.
2016; 36 (3): 492-498
- **THINKING LEAN: Improving Vitreoretinal Clinic Efficiency by Decentralizing Optical Coherence Tomography.** *Retina (Philadelphia, Pa.)*
Callaway, N. F., Park, J. H., Maya-Silva, J., Leng, T.
2016; 36 (2): 335-341
- **Improving Vitreoretinal Clinic Efficiency by Decentralizing Optical Coherence Tomography** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Callaway, N. F., Park, J. H., Maya-Silva, J., Leng, T.
2016; 36 (2): 335-341
- **Automated geographic atrophy segmentation for SD-OCT images using region-based C-V model via local similarity factor** *BIOMEDICAL OPTICS EXPRESS*
Niu, S., de Sisternes, L., Chen, Q., Leng, T., Rubin, D. L.
2016; 7 (2): 581-600

- **Optical Coherence Tomography-Guided Short-Duration Positioning after Macular Hole Surgery.** *Ophthalmology. Retina*
Greven, M. A., Cheng, S., Leng, T.
2016; 1 (2): 176–78.e1
- **Automated geographic atrophy segmentation for SD-OCT images using region-based C-V model via local similarity factor.** *Biomedical optics express*
Niu, S., de Sisternes, L., Chen, Q., Leng, T., Rubin, D. L.
2016; 7 (2): 581–600
- **Noninvasive detection of microaneurysms in diabetic retinopathy by swept-source optical coherence tomography.** *Clinical ophthalmology (Auckland, N.Z.)*
Cheng, S., Leng, T.
2016; 10: 1791-1795
- **Automated segmentation of optic disc in SD-OCT images and cup-to-disc ratios quantification by patch searching-based neural canal opening detection** *OPTICS EXPRESS*
Wu, M., Leng, T., de Sisternes, L., Rubin, D. L., Chen, Q.
2015; 23 (24): 31216-31229
- **Intraocular Nematode Affixed to Posterior Lens Capsule.** *Ophthalmic surgery, lasers & imaging retina*
Karth, P. A., Swinney, C. C., Moshfeghi, D. M., Yannuzzi, L. A., Pang, C. E., Leng, T.
2015; 46 (10): 1066-1067
- **Short-Term Outcomes of Aflibercept Therapy for Diabetic Macular Edema in Patients With Incomplete Response to Ranibizumab and/or Bevacizumab.** *Ophthalmic surgery, lasers & imaging retina*
Wood, E. H., Karth, P. A., Moshfeghi, D. M., Leng, T.
2015; 46 (9): 950-954
- **Restricted Summed-Area Projection for Geographic Atrophy Visualization in SD-OCT Images** *TRANSLATIONAL VISION SCIENCE & TECHNOLOGY*
Chen, Q., Niu, S., Shen, H., Leng, T., de Sisternes, L., Rubin, D. L.
2015; 4 (5)
- **Fabrication of healthy and disease-mimicking retinal phantoms with tapered foveal pits for optical coherence tomography.** *Journal of biomedical optics*
Lee, G. C., Smith, G. T., Agrawal, M., Leng, T., Ellerbee, A. K.
2015; 20 (8): 85004-?
- **Fabrication of healthy and disease-mimicking retinal phantoms with tapered foveal pits for optical coherence tomography.** *Journal of biomedical optics*
Lee, G. C., Smith, G. T., Agrawal, M., Leng, T., Ellerbee, A. K.
2015; 20 (8): 85004-?
- **Visual Prognosis of Eyes Recovering From Macular Hole Surgery Through Automated Quantitative Analysis of Spectral-Domain Optical Coherence Tomography (SD-OCT) Scans.** *Investigative ophthalmology & visual science*
de Sisternes, L., Hu, J., Rubin, D. L., Leng, T.
2015; 56 (8): 4631-4643
- **Application of Improved Homogeneity Similarity-Based Denoising in Optical Coherence Tomography Retinal Images** *JOURNAL OF DIGITAL IMAGING*
Chen, Q., de Sisternes, L., Leng, T., Rubin, D. L.
2015; 28 (3): 346-361
- **Experience With Aflibercept for the Treatment of Neovascular Age-Related Macular Degeneration.** *Ophthalmic surgery, lasers & imaging retina*
He, L., Silva, R. A., Ayoub, N., Moshfeghi, D. M., Leng, T.
2015; 46 (5): 542-549
- **SUNDRP: six years of screening for retinopathy of prematurity with telemedicine.** *Canadian journal of ophthalmology. Journal canadien d'ophtalmologie*
Wang, S. K., Callaway, N. F., Wallenstein, M. B., Henderson, M. T., Leng, T., Moshfeghi, D. M.
2015; 50 (2): 101-106
- **Acute Retinal Necrosis Secondary to Herpes Simplex Virus Type 2 in Neonates** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Venincasa, V. D., Emanuelli, A., Leng, T., Perlini, E., Villegas, V., Diaz-Barbosa, M., Gutierrez, M., Miller, D., Berrocal, A. M.
2015; 46 (4): 499-501
- **Risk factors for respiratory depression in patients undergoing retrobulbar block for vitreoretinal surgery.** *Ophthalmic surgery, lasers & imaging retina*

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- Silva, R. A., Leng, J. C., He, L., Brock-Utne, J. G., Drover, D. R., Leng, T.
2015; 46 (2): 243-247
- **Stem cell treatments: What's happening in 2015** *Retinal Physician*
Leng, T.
2015: 48-50
 - **Manual Removal of Dystrophic Calcifications From Silicone Intraocular Lenses Using a 27-Gauge Nitinol Loop With Concave Tines.** *Retina (Philadelphia, Pa.)*
Schachar, I., Leng, T.
2015; 35 (12): 2650-51
 - **West African Crystalline Maculopathy in Sickle Cell Retinopathy.** *Case reports in ophthalmological medicine*
Kung, J. S., Leng, T.
2015; 2015: 910713-?
 - **Idiopathic pigmented vitreous cyst.** *Acta ophthalmologica*
Ludwig, C. A., Leng, T.
2015
 - **A FALSE COLOR FUSION STRATEGY FOR DRUSEN AND GEOGRAPHIC ATROPHY VISUALIZATION IN OPTICAL COHERENCE TOMOGRAPHY IMAGES** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Chen, Q., Leng, T., Niu, S., Shi, J., de Sisternes, L., Rubin, D. L.
2014; 34 (12): 2346-2358
 - **Quantitative SD-OCT imaging biomarkers as indicators of age-related macular degeneration progression.** *Investigative ophthalmology & visual science*
de Sisternes, L., Simon, N., Tibshirani, R., Leng, T., Rubin, D. L.
2014; 55 (11): 7093-7103
 - **Optic nerve pit-associated choroidal cleft.** *JAMA ophthalmology*
Silva, R. A., Chang, R. T., Moshfeghi, D. M., Leng, T.
2014; 132 (9): 1142-?
 - **An improved optical coherence tomography-derived fundus projection image for drusen visualization.** *Retina (Philadelphia, Pa.)*
Chen, Q., Leng, T., Zheng, L. L., Kutzscher, L., de Sisternes, L., Rubin, D. L.
2014; 34 (5): 996-1005
 - **Stanford University Network for Diagnosis of Retinopathy of Prematurity (SUNDRP): five years of screening with telemedicine.** *Ophthalmic surgery, lasers & imaging retina*
Fijalkowski, N., Zheng, L. L., Henderson, M. T., Wang, S. K., Wallenstein, M. B., Leng, T., Moshfeghi, D. M.
2014; 45 (2): 106-113
 - **Stanford University Network for Diagnosis of Retinopathy of Prematurity (SUNDRP): Five Years of Screening With Telemedicine.** *Ophthalmic surgery, lasers & imaging retina*
Fijalkowski, N., Zheng, L. L., Henderson, M. T., Wang, S. K., Wallenstein, M. B., Leng, T., Moshfeghi, D. M.
2014; 45 (2): 106-113
 - **Retinal breaks due to intravitreal ocriplasmin.** *Clinical ophthalmology (Auckland, N.Z.)*
Silva, R. A., Moshfeghi, D. M., Leng, T.
2014; 8: 1591-1594
 - **Multimodal imaging and multifocal electroretinography demonstrate autosomal recessive Stargardt disease may present like occult macular dystrophy.** *Retina (Philadelphia, Pa.)*
Sisk, R. A., Leng, T.
2014; 34 (8): 1567-75
 - **Automated drusen segmentation and quantification in SD-OCT images.** *Medical image analysis*
Chen, Q., Leng, T., Zheng, L., Kutzscher, L., Ma, J., de Sisternes, L., Rubin, D. L.
2013; 17 (8): 1058-1072
 - **Semi-automatic geographic atrophy segmentation for SD-OCT images** *BIOMEDICAL OPTICS EXPRESS*

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- Chen, Q., de Sisternes, L., Leng, T., Zheng, L., Kutzscher, L., Rubin, D. L.
2013; 4 (12): 2729-2750
- **Traumatic airbag maculopathy.** *JAMA ophthalmology*
Kung, J., Leung, L. B., Leng, T., Liao, Y. J.
2013; 131 (5): 685-687
 - **Quantitative evaluation of drusen on photographs.** *Ophthalmology*
Rubin, D. L., de Sisternes, L., Kutzscher, L., Chen, Q., Leng, T., Zheng, L. L.
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