



Wills Eye Residency
Program at Jefferson

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Wills Eye
Residency Program
at Jefferson

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Use our Residency Program brochure to learn more about Wills Eye. You can also check our website, willseye.org, for more details, advice, and the most up-to-date information.

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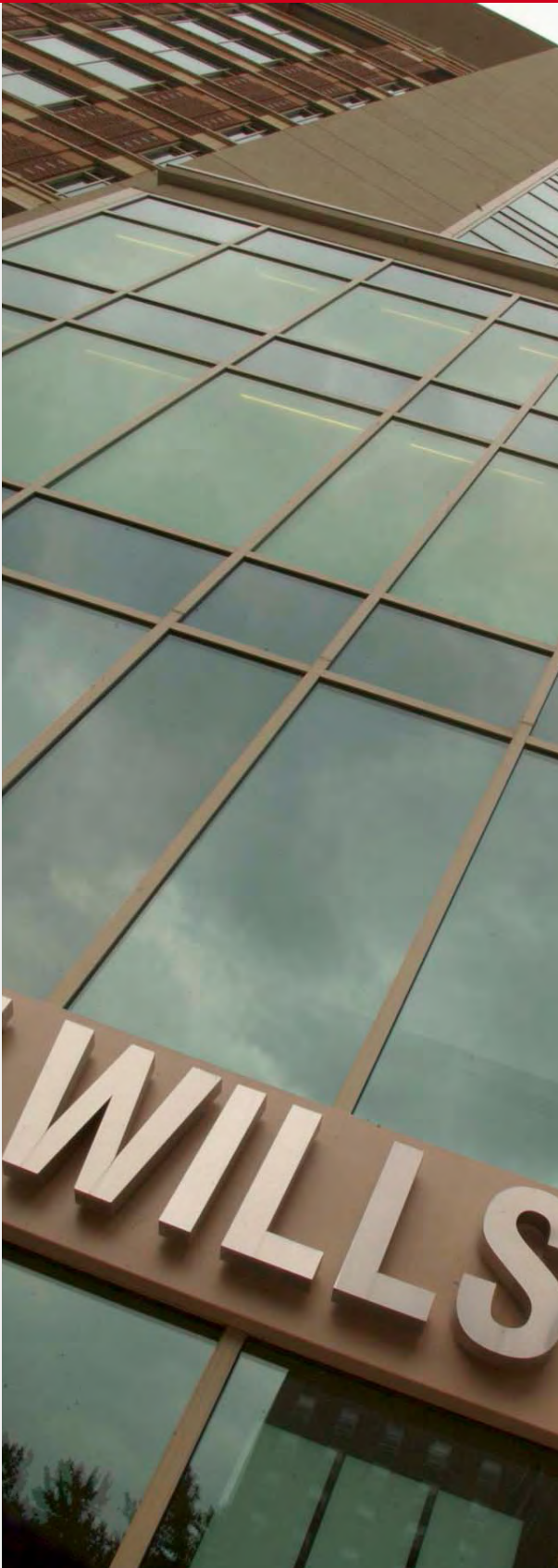
This booklet is a publication of
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Welcome to Wills Eye



A warm welcome to Wills Eye Hospital! We are thrilled to have the opportunity to get to know each of you as you navigate this exciting career inflection point. We hope you will find Wills Eye Hospital as engaging, inspiring, and “family” a place to work and learn as we do.

Wills Eye is absolutely unique in all the world: a gift from the Quaker merchant James Wills to the City of Philadelphia in 1832. He gave the fortune he made from his grocery business, to build a hospital for the indigent blind – and thus Wills became the nation’s first eye hospital.

In 1839, the first physician to be trained as an eye surgeon subspecialist came to Wills for his residency. Thus over our 190 years of existence, we have literally pioneered Ophthalmology as a specialty and help shape its trajectory. Wills also started fellowship programs in the early days of eye subspecialties, so taking all our trainees together, we have the largest alumni family in the nation. One of the special benefits of joining the “Wills Eye Family” is becoming part of this network which circles the globe, and gives back to Wills in many ways that impact on the quality of life of our residents while they are here, and on their future prospects.

Since 1972, Wills has served as the Department of Ophthalmology for Thomas Jefferson University’s medical school, now known as Sidney Kimmel Medical College, and the 9th oldest medical school in the country. Jefferson Health is the sixth largest medical system in the country, and its many professional schools, huge clinical volume, and academic and research breadth contribute tremendously to opportunities for our ophthalmology residents.

We consider everyone we interview to be a great candidate for our residency—we are convinced by your record and the enthusiastic recommendations from your mentors that you would flourish at Wills. We look forward to getting to know you better and having you join us as colleagues!

Warmest regards,

A handwritten signature in black ink that reads "Julia A. Haller". The script is fluid and cursive.

Julia A. Haller, MD

*Ophthalmologist-in-Chief and William Tasman, MD Endowed Chair,
Wills Eye Hospital
Professor and Chair of Ophthalmology,
Sidney Kimmel Medical College at Thomas Jefferson University*



TARA A. UHLER, MD

*Director, Wills Eye Residency Program at Jefferson
Associate Director of Undergraduate Education in
Ophthalmology
Sidney Kimmel Medical College at
Thomas Jefferson University*

Inspired by those who have taught her, Dr. Uhler is committed to excellence in medical student, resident, and continuing education. She believes team work and cross-pollination are essential to building stronger training programs. Her philosophy has been to share ideas and teaching resources across the learning continuum and to tap expertise from across disciplines, both within and outside medicine. After earning her undergraduate, masters, and medical degrees from Harvard, Dr. Uhler completed residency training at Wills Eye Hospital. She received a Heed Fellowship and pursued clinical and research fellowships before joining the Wills Eye faculty in 2004. She has served on multiple committees and task forces for the American Academy of Ophthalmology, Association of University Professors of Ophthalmology, and Accreditation Council of Graduate Medical Education.

Dr. Uhler has twice received the American Academy of Ophthalmology's Secretariat Award for contributions to national committees and organizations devoted to resident education.



CHRISTINE A. CHUNG, MD

*Director, Wills Eye Emergency Department and
Ophthalmology Consult Service at Jefferson
Assistant Residency Director for Operations*

Dr. Chung is a graduate of Jefferson Medical College and the Wills Eye Residency Program. As a comprehensive ophthalmologist with Ophthalmic Partners of Pennsylvania, Dr. Chung maintained her ties to Wills as volunteer teaching staff in the Cataract and Primary Eye Care Service for 20 years before returning to Wills Eye in 2015 as a full-time attending physician for the Wills Eye Emergency Department and Consult Service. She is deeply committed to the support and education of residents and medical students. Dr. Chung received the Edward A. Jaeger and John B. Jeffers Citizenship Award for service and dedication to Wills Eye Hospital as well as the Residency Advocacy Award and Dean's Award for Excellence in Education from Sidney Kimmel Medical College. She is current Chair of the Executive committee of the Wills Eye Alumni Society.



JULIA A. HALLER, MD

*Ophthalmologist-in-Chief and
William Tasman, MD Endowed Chair
Wills Eye Hospital
Professor and Chair of Ophthalmology
Sidney Kimmel Medical College at
Thomas Jefferson University*

Julia A Haller, MD, Ophthalmologist-in-Chief at Wills Eye Hospital, is a trailblazing retina surgeon-scientist who has innovated translational advances against blindness on many fronts. A graduate of Princeton University and Harvard University Medical School, Dr. Haller trained at Johns Hopkins Wilmer Eye Institute where she held the Katherine Graham and Robert Bond Welch professorships. Elected to the National Academy of Medicine in 2019, she is past president of the Association of University Professors of Ophthalmology, the Retina Society, the American Society of Retina Specialists, and the Women in Medicine Legacy Foundation and is a trustee emerita of Princeton University.

Dr. Haller currently serves as chair of the Heed Ophthalmic Foundation, chairs the Board of the College of Physicians of Philadelphia, and serves on the boards of the Philadelphia Orchestra, the Ophthalmology Foundation, the Eye Africa Foundation, the AAO Foundation Board of Advisors, and as past President of the Johns Hopkins Medicine Alumni Society. She is a director of Bristol Myers Squibb, Opthea, and Outlook Therapeutics.



JOSEPH P. BILSON

Chief Executive Officer

As Chief Executive Officer since 2007, Joseph P. Bilson has developed an impressive record of success. Mr. Bilson's leadership has achieved clinical volume goals through aggressive program development and robust financial performance during some of the harshest global economic periods on record.

Mr. Bilson's accomplishments have been many during his more than 30 years with Wills Eye. He strategically planned and developed a very successful network of multi-state ambulatory surgery centers. He implemented major projects, including "Wills On Wheels," a mobile eye clinic for community outreach and education. He constructed a state-of-the-art Diagnostic Testing Center with advanced testing equipment not available elsewhere in the Eastern United States. He also launched the Wills Eye Knowledge Portal for online ophthalmic medical education.

Why Wills Eye?

The Wills Eye Residency Program at Jefferson is renowned worldwide for the standard of excellence it sets in ophthalmic education.

Our mission: to train future leaders in the field and to foster world-class excellence in clinical care, research, and education.

The Wills Eye faculty, comprised of full-time academic track and part-time private practitioners, are renowned clinician-scientists and educators who are dedicated to ensuring your mastery of the skills and competencies needed to build a future in any subspecialty of ophthalmology.

Our large, diverse patient population and extensive range of regional, national, and global referral networks affords Wills Eye residents a broad clinical experience and the knowledge and opportunity to treat not only routine, but also rare and complex eye diseases. Training features rotations in all ophthalmic subspecialties under the supervision of attending staff as well as lectures, practical sessions and a varied didactic program. The Wills International Resident Experience (WIRE) initiative is an immersive experience that enables trainees to learn, teach, and serve in high-need settings across physical, cultural, and national boundaries.



- WORLD-RENOWNED FACULTY
- DIVERSE PATIENT POPULATION
- STATE-OF-THE-ART FACILITIES
- OUTSTANDING GLOBAL INITIATIVES
- STRONG ESPRIT-DE-CORPS CULTURE

“James Wills, This good man and estimable citizen, has bequeathed to the Mayor and Corporation of the City of Philadelphia, for the time being, and to their successors in office, forever, an estate for the foundation and support of a Hospital to bear his name, and for the humane purpose of relieving the Lamé and Blind.”

Joseph Watson, Mayor
City of Philadelphia (1825)



A Day in the Life



0730 – 0830 / MORNING LECTURE

Wills Eye attendings give 1-hour lectures structured upon material from the BCSC series.

Continental breakfast is provided daily.

of a Wills Eye Resident

0830 – 1230 / AM CLINICS, OR

The Wills Eye resident clinics are **resident-run** with attending supervision.

The clinics are **high-volume** and have a diverse array of pathology, which leads to an excellent learning experience.

In the operating room, the **residents operate** alongside general and subspecialty attendings on a **variety of surgical cases**.





1230 – 1330 / LUNCH

1330 – 1730 / PM CLINICS, OR

The residents rotate through each subspecialty clinic in
3-6 week rotations.

The resident is responsible for examining the patient and
formulating a plan, which is then presented to the supervising
attending.

**Residents are the primary surgeon on all
resident cases**

with teaching and supervision by an attending physician.



FRIDAY 0700 – 0800 / CHIEFS ROUNDS

On Friday mornings during Chief Rounds,

Residents present mystery cases

and pose questions to attendings to elucidate their thought process and management preferences, so everyone can learn from some of ophthalmology's most experienced faculty. The cases are live streamed and recorded.

No resident questioning involved!



Chiefs Rounds is really unique because it's our chance as residents to present challenging clinical cases and ask hard questions of the attendings. It's very educational, and we get a diverse perspective as faculty often argue amongst themselves about what the diagnosis is.



ELECTIVE EDUCATIONAL ACTIVITIES

- ◆ **RETINA IMAGING AND SURGICAL CONFERENCES**
Wednesday AM Imaging; Monthly Surgical

The Wills Eye Retina Imaging and Surgical Conferences are interactive and engaging forums during which our Retina fellows present multimodal imaging and videos of interesting cases and their management to the attendings of Wills Eye Hospital.

- ◆ **ONCOLOGY ROUNDS**
Monday AM

- ◆ **WEEKLY GLAUCOMA ROUNDS**
Friday LUNCH



Visiting Professor Series • September 13, 2023
Jennifer Rose-Nussbaumer, MD

VISITING PROFESSOR LECTURES

Once a month, clinics close for the afternoon when world-renowned visiting faculty are invited to discuss hot topics within their subspecialty.

The day includes lunch and dinner with the Visiting Professor, which provides residents with a unique opportunity to engage with leaders in ophthalmology on a more personal level.

William Maul Measey

Ophthalmic Surgical Training

"MOST" LABORATORY

This state-of-the-art wet lab enables our residents, fellows, and medical staff to **hone their skills in a realistic surgical simulation environment.**

1st Year Residents

- Strabismus muscle suture course
- Glaucoma laser course
- Retina laser course

2nd Year Residents

- Strabismus muscle suture course
- Phacoemulsification wet lab
- Glaucoma laser course
- Retina laser course

3rd Year Residents

- Phacoemulsification wet lab
- MSICS wet lab
- Tube shunt wet lab
- iStent wet lab
- Xen wet lab
- Suturing wet lab
- Complex cataract wet lab
- Corneal transplant wet lab





Wills Eye Hospital has specialists on staff in every ophthalmic subspecialty. Our curriculum prepares you to pursue any career in ophthalmology — from a high volume private practice to the “Triple Threat” rewards of academia.

PGY 2 - 3: 1ST AND 2ND YEAR RESIDENTS

6 week blocks

PGY 4: 3RD YEAR RESIDENTS

4 week blocks

See detailed summaries on the following pages.

Wills Eye Residency Curriculum

PGY1: INTERNSHIP

Those who match in our residency will do their internship year at Thomas Jefferson University Hospital. Rotations at Wills Eye include the Wills Eye Emergency Department and In-Patient Consult Service as well as the Ocular Pathology, Neuro-Ophthalmology, and Oculoplastic & Orbital Surgery Services.



The Pre-Residency Program is an excellent overview of the essentials needed to just get started.

Patrick Rapuano, MD, Class of 2023

PGY-2: 1st Year Residents

Pre-Residency Course (3 weeks)

Your first three weeks at Wills Eye focus on learning the basics of ophthalmology through lectures and practical skills sessions, including an introduction to microsurgery.

Wills Emergency Room

(One 6 week block: 4 full ER Days, 1 full CPEC day)

(One 6 week block: Half day pathology, half day ER)

Residents see a high clinical volume and an extensive variety of ophthalmic pathologies: acute, chronic, and ocular trauma. We provide 24/7 support for patients from upper level residents, fellows, subspecialty attending staff, and ER personnel.

Cataract and Primary Eye Care (CPEC) (8 weeks)

This is our comprehensive eye clinic. Visits include well-vision exams, ER follow ups, cataract evaluations, and new patient referrals to the Wills Eye network. Residents have their own exam room, complete attending coverage by rotating teaching attendings and Wills Eye staff attendings, optometrists, and fully-trained technical staff.

Cornea (5 weeks)

Residents see a wide variety of anterior segment pathology including infectious and non-infectious ulcers, hereditary dystrophies, viral keratitis, complex surgical sign-ups, and more. You



PGY-2: 1st Year Residents

will perform in-office procedures including corneal cultures, epithelial keratectomy with diamond burr, stromal micropuncture, and EDTA chelation and participate in our multidisciplinary Pemphigoid Clinic.

Glaucoma (5 weeks)

Residents will see patients who are referred to the Glaucoma Service by CPEC if acute or surgical intervention is required. You will become adept at reading and interpreting OCTs and visual fields to monitor progression of glaucoma and perform 8 to 14 Selective Laser Trabeculoplasty (SLT) or Laser Peripheral Iridotomies (LPIs) during the Laser Clinic on Fridays.

Neuro-Ophthalmology (6 weeks)

You will spend a significant amount of time learning the finer aspects of neuro-ophthalmology including learning how to perform a detailed neuro-ophthalmic exam, and interpreting OCT and visual fields.

Oculoplastics (5 weeks)

Residents see patients with external ocular disease such as orbital tumors, ptosis, ectropion, thyroid eye disease and more. You will learn to evaluate orbital imaging. In the OR, you work closely with Dr. Carrasco, Dr. Ramesh, Dr. Watson, and the ASOPRS fellow doing lid based procedures weekly. In addition to acting as the surgeon on many OR cases, you will also have the opportunity to do some in office procedures including injections, chalazion I+D's, temporary and permanent tarsorrhaphies.

Pediatric Ophthalmology (6 weeks)

In clinic, you will see a wide variety of pediatric pathology, from routine well exams to complex children's eye problems. You will participate in strabismus surgery one to two days a week.

Ocular Oncology (1 week)

This is the highest volume ocular oncology center in the world, and you will routinely see melanoma, nevus, metastasis, hemangioma, retinoblastoma, astrocytoma, lymphoma, squamous and basal cell carcinoma.

Ocular Pathology (6 weeks)

Half of a day on an entire rotation is dedicated to learning ophthalmic pathology with Drs. Ralph C. Eagle Jr. and Tatyana Milman. You will see the majority of cases that come through Wills Eye and start building your pathology knowledge base. This experience is a highlight!

Retina (3 weeks)

Initially you will start with didactic teaching rounds with Dr. William Benson, discussing retinal imaging and challenging cases to build your knowledge base. You will also begin seeing private patients with the Retina attendings.



As 2nd years, we gain more autonomy, continuing to build skills and knowledge but also working on efficiency, communication, leadership, teaching the 1st years how to run the ER, build their differentials, manage patients, and then working more independently along with the faculty who are supervising the Emergency Room.

Marisa Schoen, MD, Class of 2022

PGY-3: 2nd Year Residents

Your second year as an ophthalmology resident is seen as a time to perfect your clinical skills, gain efficiency, and solidify your knowledge base.

Wills ER Days (6 weeks)

It's your time to shine and run the show in the Wills Eye ER! You are in charge of two 1st-year residents, two or three ophthalmic nurses, and the day-to-day and moment-to-moment management of one of our busiest clinical environments.

Wills ER Night Float (1 week blocks, ~6 weeks total)

Time for you to exercise your experience and tackle some tough cases on your own. Never fear, you have 24/7 consult service from every subspecialty.

In-Patient Ophthalmology Service and Consults (6 weeks)

Residents see consults at Thomas Jefferson University Hospital and work with the on-call fellows from each subspecialty to provide care for complex and systemically ill patients. Diagnoses can include: trauma, orbital fracture, CMV retinitis, orbital and facial tumors, panuveitis, endophthalmitis and more.

Cataract Surgery

As a second-year resident, you perform between 12-16 primary cataract surgeries from incision to case close.

Other Clinical Rotations

As a second-year resident with upper-year expertise, you return to the subspecialty clinics to bridge the gaps from last year's basic introduction to the finer nuances and management considerations of a more seasoned ophthalmologist.

Rotations include:

- CPEC (6 weeks)
- Glaucoma (6 weeks, including 30-40 lasers)
- Cornea (6 weeks)
- Retina (3 weeks with laser and injection clinic)
- Oculoplastics (6 weeks)
- Oculoplastic Surgery
- Pediatric Ophthalmology (6 weeks)
- Strabismus Surgery

PGY-4: 3rd Year Residents

The majority of surgical training occurs during third year residency. At Wills, 3rd year residents have complete protection over their surgical patient population. Fellows and residents do not compete for cases, which leads to happy residents and promotes healthy mentorship with our talented fellows.

Cataracts (24 weeks)

Senior residents graduate with 180-200 cataracts, including white cataracts, pseudoexfoliation, and phacodonesis. The senior resident is the primary surgeon from start to finish, including the use of cutting-edge techniques, sutured Ahmed segments, capsular tension ring, and Yamane technique. The quality and access to surgical techniques is unparalleled, including approaches to uveitic cataracts and other complex cataract cases. This surgical rotation features access to the latest technology from surgical sign-up to post-op care:

PREPARATION

- IOL Master 700
- iTrace
- Corneal Topography
- Visante
- Ultrasound biomicroscopy
- Widefield fundus imaging
- SD-OCT

INTRAOPERATIVELY

- Intraoperative biometry
- Femtosecond laser
- ORA intraoperative

Glaucoma Surgery (6 weeks)

- MIGS – iStent, Xen
- Trabeculectomy
- Cyclophoto-coagulation/MP3
- Goniotomy
- Tube shunts

Cornea/Anterior Segment Surgery (6 weeks)

- Full thickness corneal transplants
- Corneal Biopsies
- Descemet Stripping Endothelial Keratoplasty
- Pterygiums
- Descemet Membrane Endothelial Keratoplasty
- Lens exchange
- Scleral fixation of IOLs: Goretex suture and Yamane techniques



Refractive Surgery (*Elective*)

- PRK and LASIK
- 10 cases at discounted cost to the patient
- Elective, Saturday Appointments
- More than 90 patients on our waiting list

Oculoplastic Surgery (*6 weeks*)

- Cosmetic and Functional
- Blepharoplasty
- Ptosis repair
- Entropion/ectropion repair
- Canthoplasty
- Skin grafts
- Orbital decompression
- Tumor biopsy and excise
- Retina (*6 weeks*)
- Core vitrectomies
- Panretinal photocoagulation
- Laser Indirect ophthalmoscopy
- Intravitreal injections

Retina (*6 weeks*)

- Core vitrectomies
- Laser Indirect ophthalmoscopy
- Panretinal photocoagulation
- Intravitreal injections

WILLS INTERNATIONAL RESIDENT EXPERIENCE (WIRE) PROGRAM

As a global leader in the prevention and treatment of blindness, Wills Eye is proud to offer the Wills Eye International Resident Experience (WIRE) program to 3rd year residents.

These two-week immersive experiences in Haiti, Belize, Rwanda, and Kenya have been inspirational and instructive. During their stay, Wills residents perform manual small incision cataract surgery, encounter different types and presentations of disease, and participate in charity clinics and screenings. **The WIRE program exposes residents to novel health care delivery models and empowers you to incorporate global ophthalmology into your budding career,** spreading the Wills Eye model of “skill with compassion” beyond our borders and into the world.



PROFESSIONAL DEVELOPMENT

Wills Eye provides residents and fellows with numerous opportunities to hone their skills and pursue their career goals:

- **Independence, self-governance, and empowerment** of residents throughout 3 years
- **Mentorship and support by faculty** who are leading figures in the field of ophthalmology and vision research
- **Podium experience** and **presentation training**
- Attendance, **networking, and travel grants** for conferences such as:
 - American Academy of Ophthalmology (AAO)
 - American Society of Cataract and Refractive Surgery (ASCRS)
 - Association for Research in Vision and Ophthalmology (ARVO)
 - Women in Ophthalmology (WIO)
 - Harvard Medical School Intensive Cataract Surgical Training Course (*open to 2nd year residents only*)
- MSICS courses
- Strabismus seminars, Pemphigoid Clinic, MOST Lab
- Research mentorship
- Biostatistical and protocol development support



CATARACT & PRIMARY EYE CARE SERVICE

The Cataract & Primary Eye Care Service (CPEC) is the **hub of Wills Eye**, where more than 22,000 patients are seen annually.

We provide comprehensive eye care and treatment of patients with conditions that affect vision and ocular health including eye examinations and evaluation and surgical care for cataracts.



Chief: Douglas M. Wisner, MD

Co-Directors: Christina McGowan, MD and Janine Tabas, MD

Michael Abendroth, MD

John C. Anhalt, MD

Robert S. Bailey Jr., MD

Jacqueline Benoit, OD

Mark H. Blecher, MD

Leslie Brown, MD

Jay Calesnick, MD

Ayan Chatterjee, MD

Drew Chronister, MD

Carolyn Cutney, MD

Catherine Dardenne, OD

Elizabeth Derham, MD

John DeStafeno, MD

Kristin DiDomenico, MD

John Dugan, MD

Eric Dunn, MD

John Epstein, MD

Brad Feldman, MD

Jeffrey Forman, MD

David Galiani, MD

Janice Gault, MD

Susan Gordon, MD

Colleen Halfpenny, MD

Walter Harris, MD

Alessandra Intili, MD

Suzanne Jadico, MD

Lawrence Kenney, MD

Robert Lehman, MD

Ahila Lingappan, MD

Stephen Luminais, MD

Bruce Markovitz, MD

Jeffrey F. McMahon, MD

Sarah Michelson, MD

Maura Nolan, OD

Michael Negrey, MD

Sagun Pendse, MD

David Pernelli, MD

Mark F. Pyfer, MD

Peter Racciato, MD

Ralph Sando, Jr., MD

Katie Schrack, MD

Chirag Shah, MD

Melissa Sieber, MD

John Siliquini, MD

William Sun, MD

Louis Sweterlitsch, MD

Richard Tipperman, MD

Sydney Tyson, MD

Amy Weber, MD

Brett Weinstock, MD

Christopher Williams, MD

Douglas M. Wisner, MD

John Witherell, MD



WILLSEYECARE



CORNEA SERVICE

We treat patients with disorders of the cornea and outer layers of the eye and conditions affecting the anterior segment of the eye. We are also involved in the latest refractive surgery procedures to treat astigmatism, nearsightedness, and farsightedness, including PRK and LASIK.

We are a **leading center for corneal transplants** and the treatment of corneal diseases and conditions.



Chief: Christopher J. Rapuano, MD

Brandon Ayres, MD
Clark Chang, OD
Brenton D. Finklea, MD
Nicholas Hadjokas, MD
Sadeer Hannush, MD
Aditya Kanesa-thasan, MD

Beeran Meghpara, MD
Ravi Patel, MD
Irving Raber, MD
Melvin Roat, MD
Marisa Schoen, MD
Zeba A. Syed, MD

GLAUCOMA SERVICE

We are the **largest glaucoma department in the United States** and treat patients with the newest and most innovative laser and surgical techniques and drug therapies available.

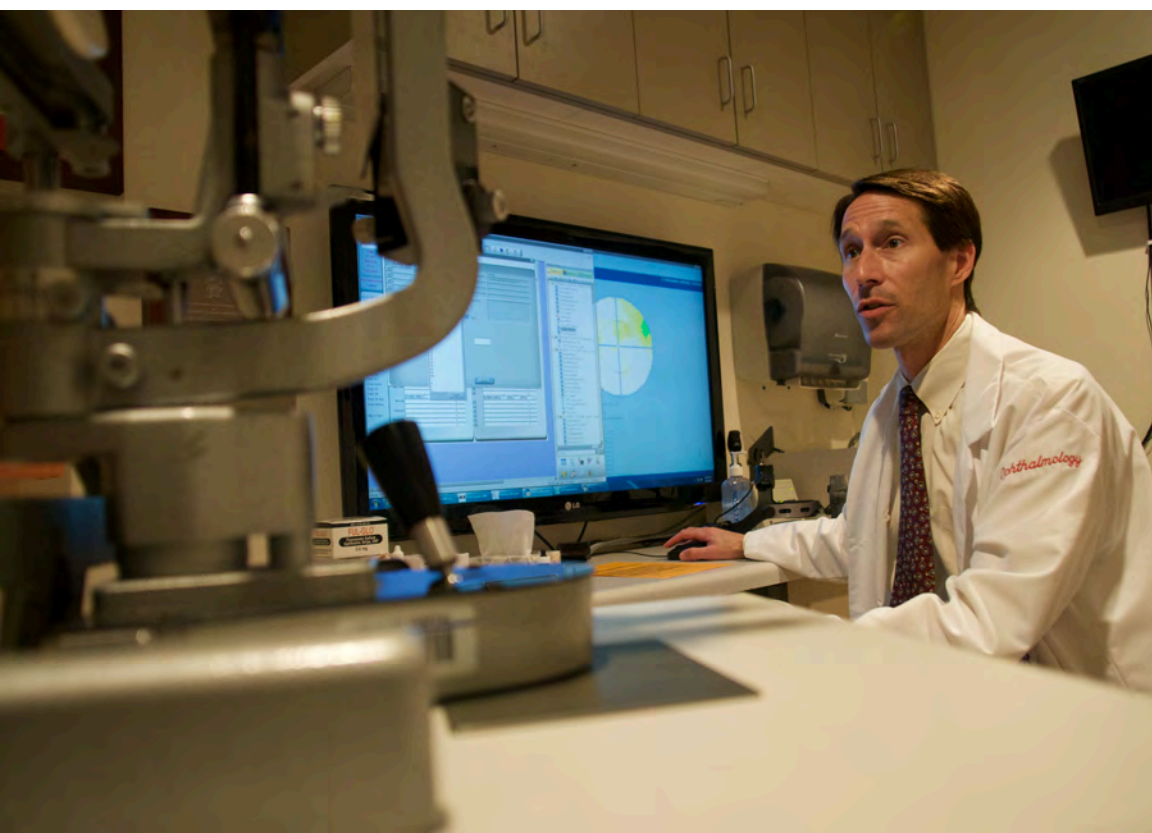


Chief: Jonathan Myers, MD

Co-Director: Joel Schuman, MD

Dilru Amarasekera, MD
Mary Jude Cox, MD
Elizabeth Dale, MD
Jason S. Flamendorf, MD
Lauren Hock, MD
Ping Huang, MD, PhD
Natasha Kolomeyer, MD
Lindsay A. Machen, MD

Marlene Moster, MD
Rachel Niknam, MD
Michael Pro, MD
Reza Razeghinejad, MD
Courtland Schmidt, MD
Alice Williams, MD
Cindy Zheng, MD



NEURO-OPHTHALMOLOGY SERVICE

Our specialists are **world leaders** in the diagnosis and treatment of vision problems related to the nervous system. We specialize in the **eye-brain connection** and evaluate conditions such as optic neuritis, visual field loss, visual disturbances, abnormal eye movements, thyroid eye disease, and myasthenia gravis.



Chief: Robert C. Sergott, MD

Shruthi Harish, MD

Mark L. Moster, MD

Sarah Thornton, MD





OCULAR ONCOLOGY SERVICE

As one of the largest ocular oncology departments in the world, we serve an international patient population. We are leaders in the diagnosis and treatment of ocular oncology, particularly melanoma and retinoblastoma, and have pioneered cutting-edge techniques to save lives, eyes, and vision, which in the past, were lost.



Chief: Carol L. Shields, MD

Sara Lally, MD

Jerry A. Shields, MD, Director Emeritus



Alph C. Ea M.D.
Director of Ophthalmology

Wills Eye Hospital
America's First World

OCULAR PATHOLOGY SERVICE

Pathology is **the backbone of teaching at Wills Eye.**

Using state-of-the-art technology, we conduct ongoing research into the broad spectrum of ocular diseases.

Ocular Pathology is also a center of activity for Wills Eye residents and fellows as well as for Sidney Kimmel and other medical college students.



Chief: Ralph C. Eagle Jr., MD

Tatyana Milman, MD

The Ocular Pathology Service at
Wills Eye **processes**
one of the largest volumes of
ophthalmic specimens in the
world.

OCULOPLASTIC & ORBITAL SURGERY SERVICE

The Oculoplastic & Orbital Surgery Service at Wills Eye is concerned specifically with the eyelids, the orbit (the bone around the eye), and the lacrimal system (the tear duct system). Oculoplastic surgery is often performed to correct or treat a medical condition or an injury. It is also done for cosmetic purposes.



Chief: Robert B. Penne, MD

Edward Bedrossian, MD

Jurij Bilyk, MD

Jacqueline Carrasco, MD

Charlotte Marous, MD

Thaddeus Nowinski, MD

Michael Rabinowitz, MD

Sathyadeepak Ramesh, MD

Mary Stefanyszyn, MD

Alison H. Watson, MD





PEDIATRIC OPHTHALMOLOGY & STRABISMUS SERVICE

The management of children's eye problems requires diagnostic and treatment methods that often differ from those used in older age groups. Even before a child can speak, pediatric ophthalmologists can tell what a child sees, if he or she needs eyeglasses or contact lenses, and if any problems exist with the eyes.



Chief: Kammi B. Gunton, MD

Co-Director: Leonard Nelson, MD

J. Mark Engel, MD
Judith Lavrich, MD
Sharon Lehman, MD
Maureen Lloyd, MD
Jade Price Minor, MD

Maura Nolan, OD
Nidha Rana, OD
Sepideh Rousta, MD
Bruce Schnall, MD
Barry Wasserman, MD

RETINA SERVICE

The Retina Service was the first subspecialty service at Wills Eye.

Our team has pioneered the clinical care, research efforts, and development of all major innovations in retina care for 60 years.

Retina's highly-skilled and experienced surgeons have been intimately involved in the development of therapies for many retinal diseases, including the latest treatments for macular degeneration and diabetic retinopathy.



Chief: Carl D. Regillo, MD, FACS

Co-Directors: Allen C. Ho, MD and Arunan Sivalingam, MD

Jonathan Belmont, MD

Allen Chiang, MD

Michael Cohen, MD

Jordan Deaner, MD

James P. Dunn, MD

Mitchell Fineman, MD

Sunir Garg, MD

Omesh Gupta, MD, MBA

Julia A. Haller, MD

Jason Hsu, MD

Richard Kaiser, MD

Robert Kleiner, MD

Michael Klufas, MD

Ajay Kuriyan, MD

Sonia Mehta, MD

Anton Orlin, MD

Carl Park, MD

Jose Pulido, MD

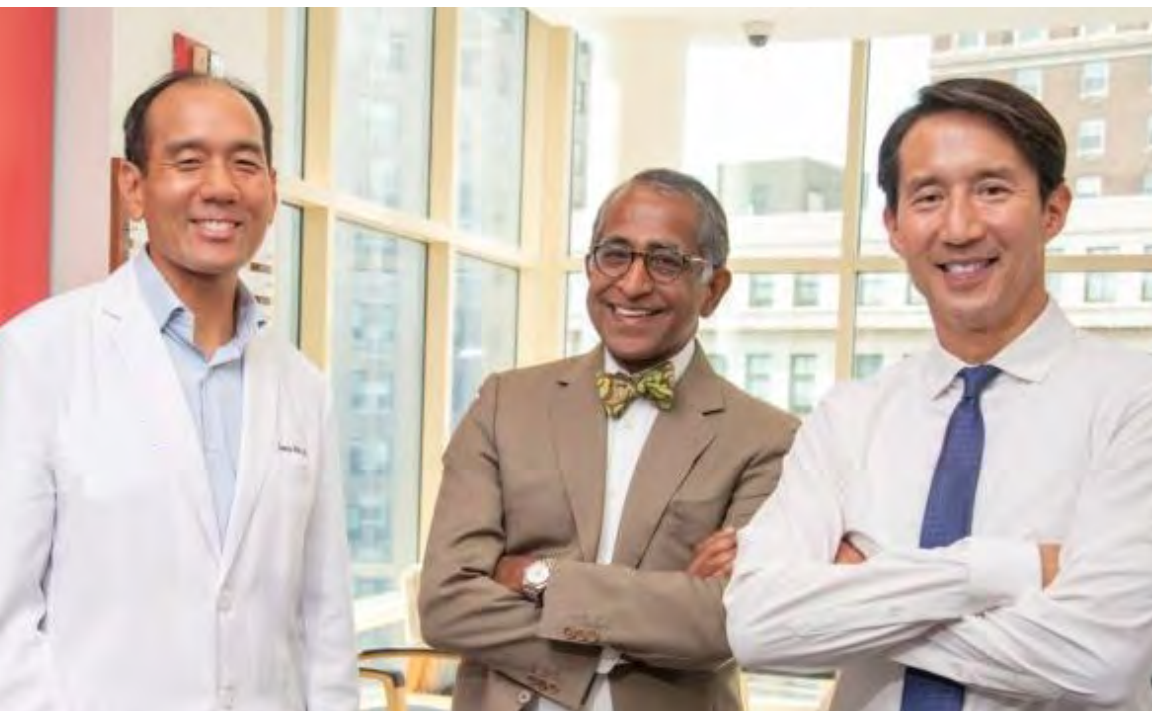
Meera Sivalingam, MD

Marc Spirn, MD

James Vander, MD

Duo Xu, MD

Yoshihiro Yonekawa, MD



JEFFERSON IN-PATIENT CONSULTATION SERVICE

The Wills Eye In-patient unit cares for patients admitted from the Wills Eye Emergency Room for a variety of conditions, including ruptured globe repair, complex lid lacerations, giant cell arteritis, optic neuritis and uncontrollable intraocular pressure requiring surgical intervention.

DIAGNOSTIC TESTING CENTER

The Diagnostic Testing Center of Wills Eye Hospital assists physicians in the diagnosis and treatment of ocular disease. Specialized fields of ophthalmic testing include cataract, cornea, glaucoma, neuro-ophthalmology, pediatrics, and retina.

Our center works as a testing site with the largest manufacturers of ocular diagnostic equipment and software. Since we see such a large volume of patients with a vast array of diagnoses, our feedback is invaluable for the future of ocular care.

We receive referrals to our center not only locally in the Philadelphia metropolitan region, but also nationally and from around the world.

WILLS EYE EMERGENCY DEPARTMENT



The Wills Eye Emergency Department is **one of three dedicated eye emergency departments in the U.S.**

Staffed by residents, fellows, and attending physicians, the ED is open 24/7, 365 days/year with a clinical volume of more than **17,000 patients annually.**



Director: Christine A. Chung, MD
Louis H. Sweterlitsch III, MD





DISCOVERY

As the hub of research at Wills Eye, the Vickie and Jack Farber Vision Research Center provides a centralized resource that coordinates, facilitates and supports research activities throughout Wills Eye.

RESEARCH

The Vickie and Jack Farber Vision Research Center at Wills Eye anchors exciting, transformative research at Wills. We leverage clinical and technological advances in health delivery systems, data analytics, artificial intelligence, genetics and precision medicine to **drive breakthroughs that preserve vision.**

The Research Center incorporates research mentoring and training that includes resident lectures on study methodology and biostatistics and one-on-one consultations for developing new research proposals. We also offer core resources in study design, biostatistics, standard research processes and procedures, and grant preparation.



*Leslie Hyman, PhD
Vice Chair, Farber Vision Research Center*

A scenic view of the Philadelphia skyline across the Schuylkill River. The image shows several prominent skyscrapers, including the Comcast Center, reflecting in the calm water. A bridge with a pedestrian walkway is visible in the foreground on the right. The sky is a mix of blue and soft orange, suggesting a sunset or sunrise. A red rectangular box is overlaid at the bottom, containing the text "Living in Philadelphia" in a white, handwritten-style font.

Living in Philadelphia





Benefits of **Living** in Philadelphia

- Livable and walkable city
- Reasonable rents
- Great public transit
- Within 3 hours of:
 - New York City
 - Baltimore / Washington, D.C.
 - Jersey Shore
 - Catskills and Adirondacks
 - Delaware Beaches
 - Chesapeake Bay
 - Pocono Mountains



Arts, Music, Culture

PHILADELPHIA is renowned as the birthplace of the United States, filled with historic world-class institutions which seamlessly integrate with modern food, theater, art, film, music, outdoors, and nightlife.

- ★ National Constitution Center
- ★ Independence Hall
- ★ Liberty Bell
- ★ Philadelphia Museum of Art + “Rocky Steps”
- ★ College of Physicians of Philadelphia
- ★ Mütter Museum
- ★ Franklin Institute
- ★ Museum of the American Revolution
- ★ Pennsylvania Academy of Fine Arts
- ★ Philadelphia Orchestra
- ★ Curtis Institute of Music
- ★ Academy of Natural Sciences
- ★ Philadelphia Zoo
- ★ Reading Terminal Market
- ★ Penns Landing
- ★ Philadelphia Flower Show
- ★ Schuylkill Banks Boardwalk
- ★ Top Sports Teams: Eagles, Phillies, 76ers, Flyers, Union



Class of 2024



Class of 2025



Class of 2026

CURRENT RESIDENTS

Class of 2024



THEODORE S. BOWE, MD

Medical School: Harvard Medical School

Internship: Pennsylvania Hospital

Undergraduate: Northeastern University



KAYLENE L. CARTER, MD

Medical School: Stanford University School of Medicine

Internship: Reading Hospital

Undergraduate: United States Naval Academy



PAULINE M. DMITRIEV, MD

Medical School: Duke University School of Medicine

Internship: Pennsylvania Hospital

Undergraduate: Bucknell University



MARIUS I. HEERSINK, MD

Medical School: University of Alabama School of Medicine

Internship: Mount Carmel Health System

Undergraduate: University of Alabama



MARK PYFER, MD

Medical School: University of Pennsylvania Perelman School of Medicine

Internship: Pennsylvania Hospital

Undergraduate: University of Pennsylvania



COLLIN ROZANSKI, MD

Medical School: Icahn School of Medicine

Internship: Brockton Hospital

Undergraduate: Johns Hopkins University



TALIA SHOSHANY, MD

Medical School: Harvard Medical School

Internship: Lankenau Medical Center

Undergraduate: Dartmouth College



SANIKA UDYAVER, MD

Medical School: Sidney Kimmel Medical College

Internship: Lankenau Medical Center

Undergraduate: Penn State University

CURRENT RESIDENTS

Class of 2025

**KAITLYN BRETTIN, MD**

Medical School: Harvard Medical School

Internship: Thomas Jefferson University Hospital

Undergraduate: Tufts University

**HANNAH GARRIGAN, MD**

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: Boston College

**LEO HALL, MD**

Medical School: Wayne State University School of Medicine

Internship: St. Mary Mercy Livonia Hospital

Undergraduate: University of Notre Dame

**SAIF HAMDEN, MD**

Medical School: Vanderbilt University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Vanderbilt University

**ERIK MASSENZIO, MD**

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: Princeton University

**MARA PENNE, MD**

Medical School: Georgetown University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Colgate University

**COLLIN RICHARDS, MD**

Medical School: Wayne State University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Michigan State University

**SANDY WONG, MD**

Medical School: Stanford University School of Medicine

Internship: Reading Hospital

Undergraduate: Harvard University

CURRENT RESIDENTS

Class of 2026



BRIAN CHENG, MD

Medical School: Northwestern University - Feinberg School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Northwestern University



BAILEY HARRISON, MD

Medical School: University of Rochester School of Medicine and Dentistry

Internship: Thomas Jefferson University Hospital

Undergraduate: Northeastern University



BRYCE HWANG, MD

Medical School: Stanford University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Massachusetts Institute of Technology



ERIC KIM, MD

Medical School: University of Alabama School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: University of Alabama at Birmingham



JULIE KIM, MD

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: Pennsylvania State University



ERIC LEE, MD

Medical School: Stanford University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: University of Notre Dame



SAMANTHA MASSENZIO, MD

Medical School: Johns Hopkins University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Princeton University



SUNIDHI RAMESH, MD

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: Emory University

PGY1 INTERNSHIP

Class of 2027

**UGOCHI AGUWA, MD**

Medical School: Johns Hopkins University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Harvard University

**HENRY BAIR, MD**

Medical School: Stanford University School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: Rice University

**MARTIN CALOTTI, MD**

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: University of Western Ontario

**TIFFANY CHENG, MD**

Medical School: Albert Einstein College of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: New York University

**MAK DJULBEGOVIC, MD**

Medical School: University of Miami Miller School of Medicine

Internship: Thomas Jefferson University Hospital

Undergraduate: University of South Florida

**SANDY SAMUEL, MD**

Medical School: Harvard Medical School

Internship: Thomas Jefferson University Hospital

Undergraduate: University of Pennsylvania

**CHARLOTTE SHIELDS, MD**

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: Tulane University

**TURNER WIBBELSMAN, MD**

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University

Internship: Thomas Jefferson University Hospital

Undergraduate: University of North Carolina at Chapel Hill

RECENT GRADUATES

2022 / 2023

CLASS OF 2022

Dilru Amarasekera, MD

Glaucoma Attending Physician
Wills Eye Hospital
Philadelphia, PA

Louis Cai, MD

Vitreoretinal Fellowship
Bascom Palmer Eye Institute
Miami, FL

Ollya Formal, MD

Vitreoretinal Fellowship
Emory Eye Center
Atlanta, GA

Anand Gopal, MD

Vitreoretinal Fellowship
Wills Eye Hospital
Philadelphia, PA

Rakhi Malvani MD

Comprehensive & Cornea Specialist
Gorden Schanzen New Vision Institute
San Diego, CA

Matthew Pieters, MD

Comprehensive Ophthalmology
Detroit, MI

Marisa Schoen, MD

Comprehensive & Cornea Specialist
Ophthalmic Partners
Bala Cynwyd, PA

Vikram Shankar, MD

Glaucoma Fellowship
Byers Eye Institute
Palo Alto, CA

CLASS OF 2023

Sarah Amanullah, MD

Academic Global Ophthalmology
Fellowship
Wills Eye Hospital
Philadelphia, PA

Charles Brodowski, MD

Comprehensive Ophthalmology
Private Practice
Southampton, PA

Lucy V. Cobbs, MD

Vitreoretinal Fellowship
NYU Langone
New York, NY

Anthony Obeid, MD

Vitreoretinal Fellowship
Wills Eye Hospital
Philadelphia, PA

Patrick Rapuano, MD

Comprehensive Ophthalmology
Maine General Health
Fairfield, ME

Bonnie Sklar, MD

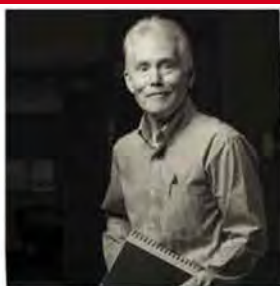
Cornea Fellowship
Duke Eye Center
Durham, NC

Alina Yang, MD

Comprehensive Ophthalmology
Private Practice
Santa Clara, CA

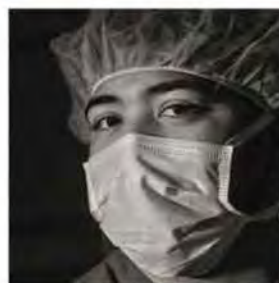
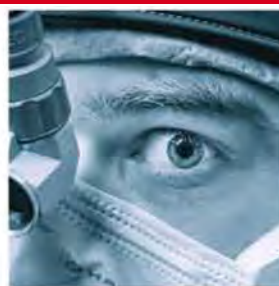
Cathy Zhang, MD

Comprehensive Ophthalmology
Private Practice
Moorestown, NJ

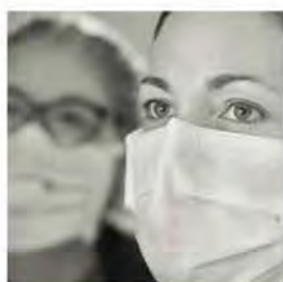


When You're Wills,





You're Family



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ABOUT WILLS EYE

WILLS EYE HOSPITAL

Wills Eye Hospital was established in 1832 through a bequest of Quaker merchant James Wills to the City of Philadelphia. We are a non-profit specialty hospital whose clinical expertise and sophisticated diagnostic and treatment procedures make us a worldwide referral center.

Before Wills Eye was founded in 1832, the care of eye diseases was just one of many general surgical responsibilities. By establishing Wills Eye as a specialty hospital from its inception, we developed momentum early as a pioneer in the prevention and treatment of eye disease and played a vital role in establishing ophthalmology as a separate branch of medicine in the United States.

Since the beginning of its “Best Hospitals” survey in 1990, U.S. News & World Report has ranked Wills Eye Hospital each year as one of the top eye hospitals nationwide. Wills Eye provides a full range of primary and subspecialty eye care including cataract, cornea, retina, diagnostic imaging, emergency care, glaucoma, ocular oncology, oculoplastics, pathology, pediatric ophthalmology and ocular genetics and refractive surgery. Wills Eye also has six multi-specialty ambulatory surgical centers throughout the region.

Wills Eye Hospital is an independent affiliate of Thomas Jefferson University Hospital and serves as the Department of Ophthalmology for both Thomas Jefferson University Hospital and Sidney Kimmel Medical College.

THOMAS JEFFERSON UNIVERSITY

Thomas Jefferson University (TJU) has a long and distinguished history in medicine. Founded in 1824 as Jefferson Medical College, now the Sidney Kimmel Medical College (SKMC), one of our nation’s first medical schools, Jefferson has gained regional and national recognition for its leadership in medical education and for research breakthroughs that have had a positive impact on the lives and health of countless people. SKMC has awarded more than 31,000 medical degrees and has more living graduates than any other private medical school in the nation.

TJU has a three-fold mission: educate professionals in a variety of disciplines who will form and lead the integrated healthcare delivery teams of tomorrow; set the standard for quality, compassionate, and efficient patient care for our community and for the nation; and, discover new knowledge that will define the future of clinical care.

NOTES

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