Dear Friends and Colleagues,

In Ophthalmology we have a unique opportunity to improve the lives of others through the restoration of vision to the visually impaired and blind.

The Department of Ophthalmology continued its growth during the 2008 – 2009 academic year. Exciting developments have occurred in all three of our mission areas. As the medical center embarks on a one-billion dollar expansion, the Havener Eye Institute has moved to a new facility at the OSU Eye and Ear Institute. The new Havener Eye Institute site encompasses our main clinical, research, and educational activities as well as surgical facilities. Our research and clinical faculty continue to grow. While the new facility will help us meet our patients’ needs, it is the people within the facilities that bring our vision to life on a daily basis. We are very fortunate to have a dedicated and caring team of administrative and clinical staff, faculty, residents, and fellows who support each element of our mission.

Research efforts continue to expand in the areas of ocular tumor, ocular biomechanics, and cerebrospinal fluid physiology. The Department has been very active in clinical trials involving age-related macular degeneration, diabetic retinopathy, pseudotumor cerebri, glaucoma, and cataract surgery. The residents’ annual research program continues to improve in the quality of the research and presentations.

The ophthalmology residency program remains a key element of our Department. Applications to the residency program are at an all-time high in terms of quantity and quality. Thanks to the efforts of Residency Program Director Alan Letson, MD and Program Coordinator Trish Rebish, along with all of the involved faculty and residents, the program had another successful year of interviews and selection concluding in yet another outstanding class of residents.

The resident surgical volume remains very high. The faculty and residents have new operating room facilities at the Nationwide Children’s Hospital, the Columbus VA, and at the new OSU Eye & Ear Institute. The fellowship program remains active, with fellows currently in cornea, glaucoma, and retina. Thanks to Paul Weber, MD, the medical student lecture series remains one of the highest ranked in the curriculum. Dr. Letson has continued to improve the ophthalmology clerkship. Due to these efforts, over five percent of OSU medical students have selected ophthalmology as their career choice.

Healthcare is at a critical point in the United States and globally. While many medical centers are stagnant or retrenching, we are fortunate to have a medical center and a department that is flourishing in these challenging times. It is our goal to continue to contribute to the solution by training excellent physician leaders and by restoring sight and preventing blindness through clinical care and research.

Thomas F. Mauger, MD
Director and Chairman
The Carl M. & Grace C. Baldwin Chair in Ophthalmology
Havener Eye Institute, OSU Department of Ophthalmology

“We are establishing a tradition of excellence in Ophthalmology that will benefit our patients and the future of medicine.”
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Chairman - Thomas Mauger, MD
Administrator - Robert LaFollette, MBA
Outreach Director - Laura Sladoje, BS
Program Coordinator - Christina Stetson, BA

Cover Photo: The new OSU Eye & Ear Institute (OEEI) with a highly skilled team of ocular specialists and on-site surgical facilities, is central Ohio’s newest center for advanced eye care. For more information, contact Ophthalmology Outreach at (614) 293-8760 or eye@osu.edu.
Vision helps us see a better world, but philanthropy makes a better world possible.

John Christoforidis, MD
Skestos’ $100,000 Donation

A new tissue bank is being established at OSU Havener Eye Institute due to a generous donation from real estate developers George and Tina Skestos. The $100,000 donation was given to support research on Idiopathic Intracranial Hypertension (IIH).

IIH is a potentially blinding disease that affects women of childbearing age. Raised intracranial pressure in these patients can cause blindness, chronic headaches, hearing loss, ringing, reduced cognition, and even death.

The Skestos’ generosity will enable the creation of a tissue bank of blood and cerebrospinal fluid from newly diagnosed patients with IIH prior to the initiation of treatment. Storing these tissues will allow researchers the opportunity to discover the underlying etiology of IIH as well as the effects of pharmaceutical interventions.

The tissue bank will be instituted under the direction of Dr. Steven Katz, a nationally recognized specialist in the field of neuro-ophthalmology. Patients from all over the world consult with Dr. Katz on IIH. He has been involved in both clinical and basic science research on IIH for 15 years and he is a scientific advisor for the Intracranial Hypertension Research Foundation.

Dr. Katz will be working with Dr. John McGregor, Neurosurgery, and Dr. Subinoy Das, Otolaryngology, to create a team approach to provide excellent clinical care to patients with IIH and to spur multidisciplinary research strategies.

George and Tina Skestos’ contribution will greatly increase our knowledge of the causes and treatment of this debilitating disease. This will establish the OSU Havener Eye Institute as a center of excellence in the care of patients with IIH.

Dr. & Mrs. William Hobbs’ $25,000 Donation
Alumni Shares Thoughts on Giving Back

“Having recently attended my 40th medical school reunion, celebrated 39 years of wedded bliss, and completed 33 years of rewarding, litigation-free general ophthalmology practice in Lynchburg, Virginia, I decided it was time to procrastinate no longer before contributing financially to the William H. Havener Eye Institute Fund.

I realize that none of us can stand on the sidelines for very long without undermining the full potential of the OSU Department of Ophthalmology. Recognizing familiar Columbus physicians and many of my fellow residents from the early 1970s on the donor list reassures me that the current residency program remains strong and the leadership faithful to the core values and ongoing mission of the department.

It is my hope that my gift to the Havener Fund will assist in the sustainability of ophthalmic education and quality eye care at Ohio State.”

Sincerely,
William Hobbs, MD
Chief Resident, Class of 1975

$10,000 Sage Memorial Gift

Harry M. Sage, MD was a distinguished Columbus ophthalmologist. A Buckeye at heart, he received his undergraduate and medical degrees from The Ohio State University before becoming a resident at the OSU Ophthalmology Department. He was a veteran of the U.S. Navy and served in WWII. His dedication to his alma mater led him to bequest $10,000 to further the mission of the Department: excellence in research, education, and patient care. His support, like the support of so many former residents, continues to validate our efforts and encourage us to take every opportunity to make a difference.
AAO Alumni Reception

Autumn is a time for reflection as leaves fade and summer’s warmth becomes a memory. Every fall, in the spirit of the season, we host an annual alumni reception at the American Academy of Ophthalmology (AAO). Celebrating our rich tradition of ophthalmic excellence, we welcome all of the alumni that the Department has trained over the years.

This year’s Alumni Reception was held at one of Atlanta’s premier hotels, the Westin Peachtree. This landmark hotel, which towers over the city skyline, was the perfect setting for our annual reception that brings together alumni from all over the country. We were happy that so many alumni were able to attend this special event.

Left Photo: Reynell Harder Smith, DO, Thomas Mauger, MD, Rebecca Kuennen, MD
Middle Photo: John Pajka, MD, Jon Walker, MD
Right Photo: Henry Croci, MD, Kathryn McKinney, John Stechschulte, MD

Alumni Directory

This year we unveiled the inaugural edition of the Havener Eye Institute Alumni Directory. The Directory was organized by last name, with a section by year for cross-referencing.

We scanned the many photos hanging on the hallowed hallways of the department showing alumni in their graduating year. This was done not only to make it so our past residents can remain “forever young,” but will also make them easier to recognize as they were.

“Excellence in education and clinical training second to none” has always been the goal of the residency program at the Department of Ophthalmology.

From the very beginning, our faculty have committed to excellence in clinical training of ophthalmology residents. This tradition of excellence has provided the Department with alumni that are some of the finest ophthalmologists in the country. We are proud to have been a part of their training and this directory reflects that pride.
This year we were fortunate to have a bonus guest, Dr. Landon Colling, an OSU ophthalmology resident, who was 3rd in the 2008 World Long-Drive Championship. Dr. Colling shared with participants his tips on how to drive the golf ball over 400 yards.

"Having Clark Kellogg and Dr. Colling as our special guests was even better than we hoped," said Laura Sladoje, Outreach Director. "They were so friendly and personable. We had a great time and raised a lot of money for the residents."

"We want to thank all of our sponsors, including Fifth Third Bank, Star Ophthalmics, Taft Law Firm, and Morgan Stanley to name a few," said Dr. Alan Letson, Residency Program Director. "Their support provides the resources and helps us educate to the best of our ability. After all, the ophthalmologists that we are training today will be taking care of our grandchildren; that’s not a responsibility that we take lightly.”

An early morning rain did little to dampen the spirit of the enthusiasm that infused the 2009 BuckEYE Golf Classic. The heavily anticipated event was held at the OSU Scarlet course, one of the top collegiate courses in the nation. The assembled charity golfers looked forward to playing the difficult course, but were equally excited to meet former OSU basketball player Clark Kellogg. Kellogg, a lead NBC basketball analyst, was an extremely charming and outgoing special guest. He signed autographs, posed for photos with guests, and answered hard-hitting sports questions while the golf course dried out.

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Ghana & Nicaragua Missions

With the recent national discussion on healthcare, it is easy to forget that such a debate is only possible because of the level of healthcare already available in the United States. Developing nations are constantly struggling with a severe shortage of physicians, trained staff, and basic medical supplies. Recognizing that need, faculty and alumni from the Havener Eye Institute have volunteered their time and skills in Nicaragua and Ghana, two of the poorest countries in the world.

Despite being the largest country in Central America, Nicaragua is the second poorest country in the Western Hemisphere. At least partially due to these factors, medical care for the almost six million citizens of Nicaragua is limited, and can be far more expensive than many Nicaraguans can afford.

To help alleviate the difficulties facing Nicaragua’s healthcare system, volunteer physicians and staff operate a free clinic called el Centro Nacional de Oftalmología (the National Ophthalmology Hospital) in Managua, Nicaragua. Among these volunteers are some of our own faculty, Dr. Thomas Mauger, department chairman, and Dr. Rebecca Kuennen, one of our newest faculty members. In additional, Department alumni Drs. David George, John Pajka, Brian Stahl, and Jon Walker have been instrumental in creating an active collaboration with the local ophthalmologists and furthering local ophthalmic training programs.

In July 2009, Drs. Mauger and Kuennen traveled to Nicaragua to volunteer their time and abilities, and were also able to take ten donated corneas supplied by the Tissue Bank International. Because Nicaragua does not have a tissue bank, these donated corneas were a particular blessing to those requiring extensive surgery.

“There was one girl,” said Dr. Kuennen, “about twelve or thirteen, who needed a cornea transplant. She was a beautiful girl, but her cornea had been badly scarred. After the surgery she was crying, she was so happy she could see again.”
In one week they treated about fifty patients, ranging in age from two to eighty. They performed corneal transplants and other necessary surgeries, while the local physicians, residents, and staff at the hospital watched and learned.

In a letter, one grateful nurse shared her appreciation: “Thanks to our dear friends Dr. Tom Mauger and Dr. Rebecca Kuennen . . . Nicaragua is a needy nation . . . the patients, hospital and doctors here [are] very grateful.”

Ghana is another nation struggling to provide even basic eye care. In addition to having too few ophthalmologists for a population of 23 million, almost 30% of Ghanaians are unable to afford healthcare, as they live below the international poverty line of $1.25 per day.

Dr. Mauger and Dr. David Adam, a community faculty member of the Havener Eye Institute, have both conducted trips to the impoverished nation. April 2009 was Dr. Mauger’s third trip to the St. Theresa Eye Center in Akim Akroso, Ghana. In 2005 and again in 2009, Dr. Adam traveled to Ghana to volunteer at the Bishop Ackon Christian Eye Center in Cape Coast, where he performed surgeries and trained Ghanian physicians and residents. He also provided instruction in phacoemulsification (a modern cataract surgical technique) to some of the local ophthalmologists in Tema, Ghana.

“I admire the many people in ophthalmology at Ohio State who have done multiple mission trips over the years” said Dr. Adam. “Pat Carroll, MD from Dayton made several trips to Ghana with Ohio State residents, and that helped inspire me to go also. Restoring sight to people who otherwise would not have access to care at any price helps me to get back to the best reasons we all went into ophthalmology.”

The Havener Eye Institute is proud of the faculty and alumni who have volunteered to help out in these developing countries. Their generosity inspires us all to greater levels of giving.
$100,000 and above
Warner & Patti Blow
George & Tina Skestos

$10,000 to $49,000
Jerry Colp
Phyllis Havener
John Martin
Michael Martin
Drs. Thomas Mauger & Carol Laxson
Harry Sage*
Dr. Dale & Bonnie Solze

$5,000 to $9,999
Dr. A.J. & Ann Christoforidis

$2,500 to $4,999
Dr. David Adam
Dr. Colleen Cebulla
Drs. Jack & Candace Hendershot
Dr. Steven Katz
Dr. Garret & Kristina Mouser
Drs. Jeffrey & Mary Oehler

$1,000 to $2,499
Dr. Louis Bloomberg*
Dr. Patrick Carroll
Dr. Henry & Suzanne Croci
Dr. Mark Gersman
Dr. Ivan & Marcie Gilbert
Carolyn Greshemer
Charles Howarth
John Kauffman
Robert LaFollette
Dr. Alan & Susan Letson
John Marakas
Dr. Robert McKinlay
Dr. Carl Minning
Dr. James Moses
Drs. Stephen & Ami Orr
Dr. Karl Pappa
Dr. Leonard Quick
Nancy Robinson
Joseph & Lynne Romano
Dr. Carl Shin
Laura & Doug Sladoje

$500 to $999
John Alberini
Dr. Douglas Baker
Dr. Thomas Bates
Dr. Robert Chambers
Kevin Henderson
Dr. Laurence Karns
Drs. Carol & Frank Kollarits
Dr. Charles & Ellen Leone
Dr. Robert Lytle
Dr. Steven Meadows
Dr. Bernard & Doris Mudrock
Dr. William Penland
Richard Poffenbaugh
Paul Ritter, Jr.
Dr. Mac Ronning
Dr. Edward Schechter
Robert & Helenor Smith
Jim & Ellen Tressel
David Ullman
Dr. Albert Van Fossen
Dr. Paul Weber
Dr. John Wilding

$100 to $499
Dr. Alan & Susan Letson
Dr. J. Geoffrey Allen
Virginia Armstrong
Dr. Robin Beran
Dr. John Burns
Dr. Kenneth Cahill
Dr. John Christoforidis
Dr. Frederick Davidorf
Dr. Jonathan Davidorf
Dr. Jack Dingle
Dr. Todd Dowling
Catherine L. Fenderson
Dr. Gloria Fleming
Margery Forry
Kelli Fox
Mildred Glover
James & Tally Grossman
Dr. Deborah Grzybowski
Robert Hamm
Monica Hanson
Dr. James Harris
Ann Havener

$100 to $499 (Cont.)
Audrey Henry
Virginia Hess
John Hummel & Mary Jayne Fox
Dr. Gary & Nancy Katz
Dr. Curtin Kelley
Rhonda Lee Kitzler
Barbara Landolfi
Dr. Carrie Lembach
Dr. Richard Lembach
Dr. Max Lerner
Elaine Lewin
Dr. Stuart Marks
Dr. Jeffrey & Sue McAdoo
Dr. Mary Lou McGregor
Kathryne McKinney
Dr. Randy McLaughlin
Tim McNemar
Jill & Karl Milliron
Dian Montgomery
Lora Moore
Fred & Cheryl Nicely
Alla Nudel
Marlene O’Dair
Dr. Philip O’Donnell
Drs. George & Ruth Paulson
Georgiana Pearson
Karen Price
Trish Rebish
Ann Roush
T. Dwain Sayre
Richard Scheetz
Robert & Effie Shiff
Bill Speer
Graham & Christina Stetson
Mike Steyer
Dr. Michael Stone
Chad Stuckey
Dr. Amit Tandon
Dr. Jonathan Walker
James Weaver
Brian Weeks
Robert Wenz
Lisa Williamson
Dr. & Mrs. Jeffrey Wincko
George Wintringer
Dr. Katie Wulff

*Indicates deceased
Benefactor Recognition Wall
Honoring the rich legacy of support

A beautiful new location allows for many new possibilities. With the opening of the OSU Eye & Ear Institute, we welcomed the opportunity to recognize all of our generous benefactors. The Benefactor Recognition Wall located in the lobby, proudly displays the names of those that have made generous contributions to the Department. In addition, information on upcoming events and new developments is also on display.

The Recognition Wall is a major focal point for our new space. The design brings together the modern, state-of-the-art facilities with the strong tradition built by over 80 years of excellence in ophthalmology.

$1,000,000 and above
Carl M. Baldwin*
Grace C. Baldwin*
Warner & Patti Blow
Irene D. Hirsch*

$500,000 - $999,999
Martha Staub*

$100,000 - $499,999
Jerry R. Colp
Phyllis Havener
Dr. William H. Havener*
Drs. Thomas Mauger &
L. Carol Laxson
Dr. Milton C. Oakes*
George & Tina Skestos

$50,000 - $99,999
Dr. N. Douglas Baker
Dr. John Burns
Dr. Kenneth Cahill
Dr. Henry & Suzanne Croci
Dr. Frederick Davidorf
Leo & Grace Faust*
Drs. Jack & Candace Hendershot
Dr. Roger & Margery Henderson*
Gayle Huffman*
Eleanor Kilgore*
Dr. Richard H. Keates
Mary K. Laughlin*
Dr. Alan Letson
Dr. Holton Letson
Dr. Robert & Elizabeth Magnuson*
Dr. Torrence Makley*
Dr. Robert & Helen McKinlay
Ruby Nowak*
Dr. Dale & Bonnie Solze
Ruth Tankersley*
Eldon J. Tobias*

$25,000 - $49,999
Dr. Patrick Carroll
Dr. Robert Chambers
Helen Clabaugh*
Fances Clontz
Helen Coast*
Helen Crane*
Dr. William Hobbs Jr.
Dr. Marilyn J. Huheey
Katherine Kessler*
Lois Ann Moor
Dr. Alfred Nicely
Dr. Dick Nisbet
Dr. Karl Pappa
Dr. John Stechschulte
Elmer Tankersley*
Dr. Joel* & Ileen Wachtel
Dr. Paul Weber

$10,000 - $24,999
Dr. David Adam
Dr. Donald Anderson
Dr. James Andrew*
Dr. Paul Armstrong
Dr. William Banks III
Dr. Morris Battles*
Dr. Susan Benes
Dr. James Bennett*
Joseph L. Bitonte*
Dr. Wilbur Blount*
Dr. Hans Bredemeyer
Dr. Robert Bruce*
Dr. Robert Bruce, Jr.
Howard Burnett
Dr. Elson Craig
Dr. Robert Derick
Dr. Jack Dingle
Gladys Dunlap*
Gilbert Eggleston

Havener Legacy

Havener Legacy honors those individuals who embody the spirit of generosity of Dr. William Havener, their impact on the lives of our patients can never be measured.

$10,000 - $24,999 (cont.)
Harry Esbenshade, Jr.
Dr. Sanders Farber
Dr. John Charles Garvin
Edward Gerhold, Sr. *
Dr. Gregory Gibb
Florence Johnson*
Dr. Fred & Audrey Kapetansky
Dr. John D. Kay
Dr. Curtin Kelley
Dr. Charles Kunesh*
Dr. Richard Lembach
Dr. Jerrold Levin
Dr. Donald Lewis
Dr. John Mader
John L. Marakas
Dr. John Thomas Martin
Michael T. Martin
Dr. W. Thomas Martin
Dr. Randy McLaughlin
Timothy McNemar
Ann E. Meiling*
Dr. Carl Minning, Jr.
Dr. Garret Mouser
Dr. James Moses
Dr. Robert* & Marlene O’Dair
Dr. E. Mitchel Opresncak
Dr. Richard Orlando
Dorothy Osborne
Maude Osborne*
Dr. Paul Richards
Gilbert & Ermal Roberts
Dr. Harry Sage
Mary Ellen Sharshal
Dr. Carl Shin
Dr. Richard Simmons
Dr. James Stewart
Dr. Ted Suie, Jr.*
Dr. Lloyd Taustine
Patti Tewell
Dr. Peter Utartha
Dr. Albert Van Fossen
Dr. Charles Zepp
Harold F. Zieg*

*Indicates deceased
“The ophthalmologists that we are training today will be taking care of our grandchildren; that’s a responsibility we don’t take lightly.”

Alan Letson, MD

Third Year Residents (Top Photo)
- Carla Ford, MD
- Ted Loizos, MD
- Andrea Sawchyn, MD
- Andrew Hendershot, MD
- Anupama Horne, MD

Second Year Residents (Bottom Left)
- Cedric Pratt, DO
- Wendy Smith, MD
- Rick Whitehead, MD
- Katie Baston, MD
- Landon Colling, MD

First Year Residents (Middle)
- Alla Kukuyev, MD
- Vishal Verma, MD
- Lena Chhed, MD
- Aaron Davis, MD
- Cate Olson, MD
- Bill Lawhon, MD
The Havener Eye Institute is dedicated to developing high-quality educational programs. To this end, we have created 20/20 Seminars, a series of complimentary continuing education events. In the Spring of 2009, the first of these, “Everyday Retina”, was held at our Dublin location. Anterior Segment Division held “Ready, Aim, Refract!” which focused on refractive surgery this past Fall.

Future events will cover a variety of topics and will qualify for continuing education credit. We hope that the success of these educational events will continue to foster the community spirit that is an important part of the Havener Eye Institute’s Mission.

March Meeting & Education Awards

The 52nd Annual Postgraduate Symposium in Ophthalmology / The 32nd Annual Midwest Glaucoma Symposium was held February 27–28, 2009 at the Hilton Columbus at Easton with nearly 200 participants in attendance. This year’s course directors Gloria Fleming, MD, Frederick Kapetansky, MD, and Paul Weber, MD assembled an impressive lineup of guest speakers, which included Peter Nettland, MD, PhD, Dale K. Heuer, MD, Leon W. Herndon, MD, Eydie G. Miller, MD, Joel S. Schuman, MD, Douglas J. Rhee, MD, John S. Cohen, MD, L. Jay Katz, MD, Anup K. Khatawa, MD.

We are thankful for everyone that helped make this year’s Symposium such a success.

AWARDS:

Katie Baston, MD
2009 First Place Resident Research Award (Tie)

Andrea Sawchyn, MD
2009 First Place Resident Research Award (Tie)

Anupama Horne, MD
2009 Third Place Resident Research Award

Bongsu Kim, MS
2009 Graduate Student Research Award

David Rogers, MD
2009 Makley-Battles Teaching Award

Michael Wells, MD
2009 Fellows Teaching Award

Amit Tandon, MD
2009 Excellence in Teaching Award

Resident Humanism Award

Carla D. Ford, MD, a recent graduate of the OSU Department of Ophthalmology, was honored with Robyn D. Howson Humanism Award. The Humanism Award is given to recognize a housestaff member who is widely regarded as routinely exhibiting attributes of ethics, integrity, caring, and compassion for patients and patients’ family members; effective communication with patients, physicians, and other healthcare professionals; and excellent customer service.

Of the nearly 670 OSUMC residents and fellows training, Dr. Ford was one of 5 recipients of this award. Dr. Ford is very deserving of this award. She routinely received thank you letters from patients while in training. Her nomination letter stated that, “Dr. Ford works selflessly and effectively. She is enthusiastic about ophthalmology and her enthusiasm is contagious. Dr. Ford truly makes our department better just by being in it. While we will certainly miss having her around next year, we will certainly be proud to call her a graduate of our program.”

20/20 SEMINARS

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Future events will cover a variety of topics and will qualify for continuing education credit. We hope that the success of these educational events will continue to foster the community spirit that is an important part of the Havener Eye Institute’s Mission.

Left to Right: Bob LaFollette, Dr. David Castellano, Dr. Rebecca Kuennen, and Dawn Pelfry.
“Vision is so important. I want my patients to enjoy theirs for a long time.”

Amit Tandon, MD

Slack Fund Purchases Camera

In the rapidly developing technology of digital cameras, retinal imaging techniques have been advancing quickly towards more sophisticated methods. Thanks to the generosity of Muskingum County Community Foundation and the Sarah Slack Retina Research Fund, we have acquired a Topcon TRC-50DX Retinal Camera.

John Christoforidis, MD, an OSU retina specialist and assistant professor, said, “This new camera will help to resolve diagnostic dilemmas and direct treatment decisions in patients with a wide array of macular disorders.” The TRC-50DX incorporates new functions such as autofluorescence, which enhances its versatility without sacrificing Topcon’s unsurpassed quality of image resolution.
Patient in Focus: Mildred Glover

Mrs. Mildred Glover is a retired nurse from Ohio State who was blind for several years due to a combination of glaucoma and corneal edema. She had two failed cornea transplants and it seemed unlikely that she would ever see again.

In view of the failed transplants, Dr. Thomas Mauger elected to perform an artificial corneal transplant or keratoprosthesis (K-pro) on Mrs. Glover. Development of the Boston K-pro began in the 1960’s and received FDA approval in 1992. The K-pro is made of PMMA (polymethyl methacrylate) and consists of two basic parts. The center button or optic portion and the outer skirt are clamped together on the outer rim of a donor cornea. The entire prosthetic cornea is then sutured to the host cornea like a normal cornea transplant. A soft bandage contact lens is placed, and the patient must use lifelong topical antibiotics. The benefit of the K-pro is that the central portion will always remain clear.

After the surgery, she was delighted to find that her vision had improved to 20/70. For the holidays, she was able to go to see her family in North Carolina which she had not been able to do in years.

Patricia Shuter was told years ago that she had a slow-growing cataract. This clouding of the natural lens of the eye would mean that the lens would eventually need to be removed and be replaced by an artificial lens implant known as intraocular lens (IOL). When she came across an article on the AcrySof® IQ ReSTOR Multifocal IOL, she cut it out and saved it. She knew that when the time came, these were the lenses she wanted. ReSTOR IOL implants are designed to provide enhanced image quality and a full range of vision—up close, far away, and everything in between—giving cataract patients the best opportunity to live life free of glasses.

Mrs. Shuter started seeing Dr. Amit Tandon when he joined the OSU Havener Eye Institute two years ago. “Oh, I think that he has been a very wonderful guy to work with,” said Mrs. Shuter. “He’s friendly and he’s fun.” Earlier this year when she came in for her annual vision exam, Dr. Tandon noticed that her cataracts had progressed and needed to be removed. He discussed cataract surgery and the different IOL options available to her. They both agreed that the ReSTOR IOL would give her a full range of vision near and was the best IOL for her to eliminate her need for glasses. The possibility of being glasses-free after cataract surgery was very attractive to Mrs. Shuter, who has worn glasses since she was 12 years old.

Now 85, she is thrilled that she no longer needs to wear glasses for distance or near vision. After her cataract surgery, she continues to maintain her lifestyle and her driving ability.

“Autofluorescence photography is a non-invasive diagnostic tool,” said Christoforidis. “It is very helpful in detecting and assessing patients with subtle lesions in a variety of retinal diseases that are not easily seen with other imaging modality.” This equipment can be used for early detection of unhealthy or damaged retinal pigment epithelial cells (RPE). It can also monitor the effects of new treatments. The TRC-50DX will aid in research of hereditary retinal diseases.

Muskingum County Community Foundation funded the camera through the Sarah Slack Retina Research Fund in a large part because Sarah Slack was a long-time patient of Dr. Alan Letson, Director of the Retina Division. “I know Sarah would be extremely pleased with the use of her funds for this camera equipment that detects early retinal damage,” Letson said.

“It took me a long time to finally remember I didn’t have to put on any glasses. I kept thinking, ‘Oh, I forgot them,’ but I didn’t. I just don’t need them anymore.”

Patricia Shuter
THE NUMBERS ADD UP TO **BIG CHANGE.**

- **110,000** Sqft Flooring
- **2,000** Glass Panes
- **10,000** Drywall Sheets
THE NUMBERS ADD UP TO BIG CHANGE.

150 Lobby Seats

06.15.09 Opening Day

275,000 Cable Ft

150 Lobby Seats
Research is an important catalyst for change. The effects ripple outward, changing lives and saving sight.

Paul Weber, MD

Resident Dr. Adam Cloud examines slides in the pathology lab for a research project.
15-Year Ocular Hypertension Treatment Study (OHTS) Comes to a Close

In December 2008, the Ocular Hypertension Treatment Study (OHTS) officially ended. This highly acclaimed clinical trial had been in existence for fifteen years. The Havener Eye Institute, OSU Department of Ophthalmology, was one of only 22 research sites nationwide. For the past 10 years, Dr. Paul Weber has served as Principal Investigator for this important study.

It is known that people with elevated eye pressure are at risk for developing glaucoma. However, prior to the first phase of OHTS, there was conflicting evidence as to whether early medical treatment with eye pressure lowering drops was effective in delaying or preventing the onset of glaucoma. The OHTS study enrolled over 1,600 participants with elevated eye pressure, but no evidence of glaucoma. They were randomized into two groups: treatment with eye drops or no treatment. After 5 years, it was determined that the individuals in the observation group were developing glaucoma at a much greater rate. This conclusion was indeed an exciting finding, but it also posed another question: Is there a penalty or disadvantage of delaying treatment for ocular hypertensive individuals? In 2002, a transition was made from OHTS I to OHTS II to answer this question.

Participants in the OHTS study have provided a unique and valuable information base concerning the long-term effects of ocular hypertension. This one study has yielded a wealth of information. It is now known that treating ocular hypertension is beneficial in delaying the onset of glaucoma. It identified racial risk factors for African American individuals with elevated eye pressure. The thickness of the clear front of the eye (cornea) was also found to be a risk factor in the development of glaucoma. The data from OHTS II is currently being collected and analyzed. Results will be available in the coming months.

“The OHTS study has already changed the way that physicians in this country and around the world treat people with high pressure” said Weber. “In addition, it will stimulate new research that will lead to earlier diagnosis and better treatment to help prevent glaucoma.” The OHTS clinical trial has been an important and very beneficial study. The Havener Eye Institute is very proud to have been a part of this landmark study.

With all of this information, OHTS Study Group has devised a “5-year Risk Factor Estimator” (http://ohts.wustl.edu/risk/). This Risk Factor Estimator may be useful to clinicians and patients in deciding the frequency of tests and examinations and the potential benefits of starting treatment. Be sure to log on and calculate your risk factor for developing glaucoma.
Groundbreaking MRI Study

Nearly 100,000 cases per year present with blockage of the central retinal artery and vein as well as the posterior ciliary vessels. Despite this, we have no method that exists for imaging these vessels to determine where the blockage has occurred because they are located behind the surface of the optic nerve (Figures B & C).

John Christoforidis, MD, a retina specialist at the Havener Eye Institute, has been working in collaboration with Michael Knopp, MD and other members of the Department of Radiology to image these structures with the use of a 7 Tesla MRI machine in conjunction with a dedicated eye coil (Figures A & D). This is currently the only such system in the world and the initial images are already unprecedented in terms of their resolution.

Dr. Christoforidis presented the initial results at the Association for Research in Vision and Ophthalmology (ARVO) on normal volunteers this past year, but there is still research to be done. Dr. Christoforidis hopes for additional funding which would allow for the continued improvement of the parameters and optimize the resolution of the imaging system.

Clinical Trials

Havener Eye Institute is currently involved in many clinical trials in nearly every area of ophthalmology including Age-Related Macular Degeneration Drug Comparison Study (CATT) and Diabetic Macular Edema Dose Comparison Study (RIDE).

Clinical trials are conducted to allow safety and efficacy data to be collected for new drugs or devices. These trials can only take place once satisfactory pre-clinical information has been gathered and Health Authority/Ethics Committee approval is granted.

Depending on the type of product and the stage of its development, investigators enroll healthy volunteers and patients into small pilot studies initially, followed by larger scale studies in patients that often compare the new product with the currently prescribed treatment. As positive safety and efficacy data are gathered, the number of patients is typically increased. Clinical trials can vary in size from a single center in one country to multicenter trials in multiple countries.

We want to thank all of our clinical trial participants. These incredible volunteers are helping to shape the future of medicine.

CATT Study

The National Institute of Health (NIH) sponsored CATT study evaluates patients with wet age-related macular degeneration (AMD).

Qualifying participants have untreated, newly diagnosed wet AMD. CATT is being conducted to compare two different AMD medications Lucentis and Avastin. The study will also compare treatment schedules: half of the patients will be treated on a fixed visit schedule and half will be treated on an as-needed visit basis. Over a two-year period, the 10 participants will be closely monitored.

RIDE Study

The RIDE study, sponsored by Genentech Pharmaceuticals, evaluates the safety and efficacy of Lucentis intravitreal injections for diabetic macular edema (DME).

RIDE is the first trial using Lucentis for patients with diabetes mellitus. The participants are randomized to one of three treatment groups: 0.3mg, 0.5mg, or placebo. The study visits are monthly over a 3-year period. After 2 years of study participation, all participants are eligible to receive the full standard dose of 0.5mg. The Havener Eye Institute has 11 participants in this trial.
Grants


Letson AD (PI), Davidorf FH, Christoforidis JB. RIDE: A Phase III, Double- Masked, Multicenter, Randomized, Sham-Controlled Study of the Efficacy and Safety of Ranibizumab Injection in Subjects with Clinically Significant Macular Edema with Center Involvement Secondary to Diabetes Mellitus. Genetech Pharmaceuticals. 2006-2012.

Letson AD (PI), Davidorf FH, Christoforidis JB, Chang S. Phase IV, Open Label, Multi-center Trial of Maintenance intravitreous injections of Macugen given every 6 weeks for 48 weeks in subjects with subfoveal neovascular AMD initially treated with a modality resulting in maculopathy improvement. Eyetech/OSI Pharmaceuticals. 2006-08.

Letson AD (PI), Christoforidis JB, Davidorf FH, Chang S. Age-Related Eye Disease Study 2 (AREDS2): A Multi-Center, Randomized Trial Of Lutein, Zeaxanthin, and Omega-3 Long-Chain Polysaturated Fatty Acids (Docosahexaenoic Acid [DHA] and Eicosapentaenoic Acid [EPA]) in Age-Related Macular Degeneration. National Eye Institute /National Institute of Health. 2006-12.


Mauger TF (PI), Lembach RG, Castellano D, Harder Smith R. A double-masked randomized study of the safety and effectiveness of DYME as an agent for selective staining of the anterior capsule during cataract surgery. Aquumen Biopharmaceuticals. 2007-08.


Weber PA (PI), Liu J, Roberts CJ. The Impact of Corneal Elasticity on IOP and CCT measurements in Glaucoma Management. Columbus Foundation. 2009-10.

Division Reports

"We have specialists to treat every condition, so patients get the care they need, fast."

Steve Katz, MD

Anterior Segment
Rebecca Kuennen, MD

The Anterior Segment Division includes the areas of Cornea and External Disease, Comprehensive Ophthalmology, Optometry, and Refractive Surgery. The division is actively involved in teaching, research, and clinical care.

Dr. Julie Meier joined the Department as a comprehensive ophthalmologist in 2008. She completed her residency at the University of Wisconsin—Milwaukee. Along with Dr. David Castellano and Dr. Amit Tandon, this team provides comprehensive ophthalmic care to the university community and at our outreach clinics. They are integral to our resident clinical education on campus and through the Columbus VA clinic. They also provide outstanding role models of comprehensive ophthalmology to our residents and medical students. Dr. Kelly Kingsbury joined the Department to provide optometric care, including comprehensive examination, contact lens services, and visual rehabilitation services. Dr. Sara Huffman joined the department to provide visual rehabilitation service to the patients at the Dodd Hall Rehabilitation Hospital at the OSU Medical Center. Dr. Randy McLaughlin continues to provide comprehensive examinations and contact lens services. Drs. Kingsbury, Huffman, and McLaughlin are involved in resident education.
The Cornea Service remains active, performing a full spectrum of corneal procedures, including penetrating, lamellar, and endothelial keratoplasty, keratoprosthesis, corneal stem cell transplants, and phototherapeutic keratoplasty. The Cornea Service is routinely consulted for the evaluation of complex external disease problems such as acanthamoeba and fungal keratitis, ocular pemphigoid, herpetic keratitis, and ocular surface neoplasia. The service currently includes Drs. Richard Lembach, Matthew Dangel, Thomas Mauger, and Rebecca Kuennen. Dr. Matthew Ohr completed his cornea fellowship in June of 2009 and took a position on the staff of the Cleveland Clinic Loraine Campus. Dr. Andrew Hendershot was the Chief Resident in Ophthalmology and is the current cornea fellow for 2009–2010. The division is conducting clinical research trials with NSAID use in diabetic cataract surgeries, corneal cross-linking and intra-operative corneal topography.

The Ophthalmology Service at the Columbus VA clinic is led by Dr. Carol Laxson. The new VA outpatient clinic was opened less than one year ago and patient visits and surgeries continue to grow. The new ambulatory surgery center at the VA started treating eye cases in July of 2009 and the volume and spectrum of cases has continually increased. Currently, three residents are in attendance at the VA and the supervising ophthalmologists cover the entire spectrum of eye disease, ensuring that veterans in central Ohio get state-of-the-art eye care.

The Division has been involved in two ongoing international missions. Dr. Mauger performed cataract and severe pterygium surgeries in the village of Akima Akosa, Ghana in April 2009. Drs. Kuennen and Mauger traveled to Managua, Nicaragua in July of 2009 and performed successful keratoplasty procedures, thanks to the donation of corneal tissue by Tissue Banks International. Drs. Kuennen and Mauger had discussions with the Ministry of Health in Nicaragua about creating a new eye bank in their country. There are plans for additional trips during the coming year.

In the research arena, we just completed participation in the Ocular Hypertension Treatment Study. This 15 year NIH-NEI funded study was a ground-breaking study that has already changed how physicians around the world diagnose and treat glaucoma and will have a major impact on preventing loss of vision. The findings from this study have generated a whole new area of glaucoma research, the area of biomechanical properties of the eye and their effects in glaucoma. Partnering with our faculty from Biomechanical Engineering, Drs. Cynthia Roberts and Jun Liu, the Havener Eye Institute has some of the leading minds in this important area. Numerous clinical and laboratory research projects are underway in this area.

In the education mission, Glaucoma has been educating medical students, ophthalmic personnel, ophthalmology residents, residents of other medical disciplines, optometrists, and practicing physicians. This past year’s Annual Postgraduate Symposium partnered with the Midwest Glaucoma Society to host national and international glaucoma experts in our “Glaucoma—What’s Tried and True and New” symposium. It drew over 175 physicians. The ophthalmology module presented to the second-year medical students once again received one of the highest ratings by the students.

The glaucoma division takes great pride in contributing in a very positive and impacting way in all three mission areas critical to the success of the Ohio State University Medical Center and Havener Eye Institute.
The Oculoplastic Surgery Service is committed to excellence in clinical care, research and teaching. Active participation in medical school teaching occurs in core curriculum instruction, physical diagnosis instruction, clinical rotations, elective rotations, and research projects. Resident teaching is organized with didactic lectures, staffing of Oculoplastics Clinics at the OSU campus and the VA Clinic, weekly surgery and clinic for Ophthalmic Plastic Surgery during the second year pediatric rotation, and third year resident Oculoplastic Surgery rotations. The American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS) Fellowship training program complements the residency teaching program, and provides additional educational and research resources to the residents.

Members of the Oculoplastic service are John Burns, MD, Kenneth Cahill, MD, Kelly Everman, MD, Jill Foster, MD, Steven Katz, MD, Kevin Michels, MD, and James Moses, MD. Local, regional, and national instructional courses are presented in oculofacial surgery, pediatric oculoplastics, cosmetic facial surgery, blepharospasm, thyroid eye disease, and ptosis. Research presentations and publications during this past year included topics of ptosis, the lacrimal outflow system, minimally invasive surgery, thyroid eye disease, eye socket reconstruction, injectable tissue fillers, and fat grafting. Dr. Burns completed a prospective masked study of a new form of botulinum A toxin in the treatment of benign essential blepharospasm. We have developed techniques for virtual endoscopy of the lacrimal drainage system. This enables us to visualize anatomical structures and pathology that were previously only visable with surgical dissection.

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The Neuro-ophthalmology Division continues to contribute to the Departmental mission in the core areas of clinical care, teaching, and research. Departmental faculty, including David Hirsh, Susan Benes, and Steven Katz are responsible for the Resident lecture series as well as medical student teaching in neuro-ophthalmology. Dr. Hirsh organized the Resident morning lecture series and was an active clinical instructor. Drs. Hirsch and Benes were regular contributors to the Grand Rounds focused on neuro-ophthalmology.

Dr. Katz hosted a Symposium on Headache Management on February 7, 2009 at Ohio State where he also gave an update on the Diagnosis and Management of Headache in Giant Cell Arteritis. Dr. Katz serves as a scientific advisor for the foundation and regularly sees problem patients nationally who are referred through the foundation.

Dr. Katz had three publications in peer reviewed journals and one book chapter published in the past year. He was also a manuscript reviewer for the journals Ophthalmic Plastic & Reconstructive Surgery and Eye. Dr. Katz was a grant reviewer for eye and vision research for the American Institute of Biological Sciences and United States Army Medical Research and Material Command (as part of the Congressionally Directed Medical Research Program) in 2009. He also continues to review grants for the Ann Ellis Fund at the Columbus Foundation. In 2009, Dr. Katz was again selected for Best Doctors in America by his peers and he was also appointed to the Torrence A. Makley Research Professorship in Ophthalmology.

In January, 2010 we will embark on “A Multicenter, Double-blind Randomized Placebo-controlled Study of Weight Reduction and/or Low Sodium Diet plus Acetazolamide vs Diet plus Placebo in Subjects with idiopathic Intracranial Hypertension with Mild Visual Loss.” The study was proposed by NORDIC and is sponsored by the National Eye Institute. Ohio State is a study center for the trial and Dr. Katz is the Principal Investigator. There are currently 3 other clinical trials going on in the division.

The division received a generous donation of $100,000 from George and Justine Skestos toward the generation of a tissue bank for patients with Idiopathic Intracranial Hypertension.
Pathology Division
Elsion Craig, MD

For the 2008-2009 academic year a total of 556 cases were examined, reported, and filed in the Division Archives of Ophthalmic Pathology. This total included the following cases:

- 17 Enucleations, including 10 malignant melanomas
- 6 Eviscerations
- 30 Orbital tissues, including 7 lacrimal gland biopsies
- 51 Temporal artery biopsies
- 155 Eye lid lesions
- 85 Conjunctival lesions
- 153 Cornea tissues, including 62 Descemet’s membrane/endothelial specimens
- 9 Iris tissue, including 1 malignant memanoma
- 2 Intraocular lens removal
- 14 Miscellaneous specimens including 6 foreign bodies, 1 optic nerve sheath specimens, 7 nasal lacrimal tissues
- 34 Outside slides for consultation

The Division of Ophthalmic Pathology in the provides support to faculty, residents, and students when preparing presentations, publications, and for research projects. The Division has an extensive Archives of pathology cases and microscopic and photographic equipment available to support these activities.

Pediatric Division
Gary Rogers, MD

The outpatient clinic visits once again shows strong numbers. The report indicates we had 9,560 clinic visits for this reporting period, which is a 10% increase from last year. The clinic continues to be staffed by three first and second year residents from The Ohio State University and two optometrists 5 days a week.

The Pediatric Division continues to be enormously active surgically, continuously showing improved numbers in the surgery center. The division participates in both funded and unfunded research. Several amblyopia protocols and a randomized nasolacrimal duct study are being conducted in association with the Pediatric Eye Disease Investigator Group (PEDIG). Drs. Don Bremer and Rick Golden are the Principal Investigators for these PEDIG trials.

Larry Leguire, PhD, continues to work with the OSU Department of Ophthalmology in functional MRI research with an interest in congenital ocular motor nystagmus. An eye tracker in the MRI scanner has been acquired for these studies. Dr. David Rogers has been active in teaching and in clinical research.

Dr. David Rogers submitted six abstracts for presentation at the American Association for Pediatric Ophthalmology meeting in San Francisco, CA. This could represent the greatest number of abstracts presented from a single department. Dr. David Rogers and Dr. Rick Whitehead won a first-place award earlier this year for their poster entitled “Corneal Power Measurements in Fixating Versus Anesthetized Non-fixating Children Using a Handheld Keratometer.” Dr. Gary Rogers was the honoree of the David S. Friendly award at the Costenbader Society Annual Meeting in Annapolis, MD, this past September.

I am very pleased with the progress of our division and its continued success. We have worked with the hospital and have increased lab space, freeing up space for our clinic. It continues to be our goal to be a leader in the research of fMRI and changes to the visual cortex in patients with amblyopia and nystagmus. PEDIG has recognized our previous research with sinemet and amblyopia and has just completed the first multi-center study in amblyopia involving the treatment of older children using a similar levodopa-carbidopa combination.

Pediatric Patient
Refractive Surgery
David Castellano, MD

In the spring of 2009, the Refractive Surgery Division implemented the Allegretto W A VE® Excimer Laser. This laser utilizes Wave-front-Optimized software which considers the unique curvature of the eye, preserves quality of vision and addresses the spherical distortions that may induce glare and affect night vision. We use the Allegretto W A VE® laser in conjunction with the IntraLase femtosecond (FS) laser which allows us to perform bladeless, customized refractive treatments while preserving more corneal tissue.

With the large range of correction, even patients with high degrees of myopia, hyperopia, and astigmatism are typically treatable. Another correction option is monovision or blended correction for patients over 40 with presbyopia. Our surgical outcomes have been excellent and our patients are extremely satisfied with their results.

Toric and Multifocal intraocular lenses continue to be popular treatment options for patients needing cataract surgery and desiring the best possible post-operative vision. Toric intraocular lenses allow patients to obtain astigmatism correction during cataract surgery and multifocal lenses are used to correct both distance and near vision.

Research Division
Deborah Grzybowski, PhD

The Research Division, which covers all subspecialties in Ophthalmology, continued to expand and attain national and international recognition. The department now has research efforts in retinal detachments, cataract and macular edema, Dry AMD, topical VEGF inhibitors, wound healing, melanoma, regulation of cerebrospinal fluid outflow, corneal biomechanics in normal and pathologic eyes, glaucoma, idiopathic intracranial hypertension, bacterial conjunctivitis, fungal keratitis, managing ocular hypertension, and others. The addition of Mohamed Abdel Rahman, MD, PhD in the Retina Division gives the Department expertise in both pathology and genetics and adds uveal melanoma genetics research to our program.

For the 2009 academic year, the Department of Ophthalmology received 9 new research awards and continued work on 12 multiple year grants. These awards focused on age-related macular degeneration, corneal biomechanics in normal and pathologic eyes, diabetic macular edema, retinal vein occlusion, glaucoma, idiopathic intracranial hypertension, bacterial conjunctivitis, fungal keratitis, managing ocular hypertension, and others. Funding sources included the National Institutes of Health, the Columbus Foundation, and the Ohio Lions Eye Research Foundation, as well as numerous industry awards.

The research findings produced 18 peer-reviewed publications and 3 book chapters, and were reported in multiple presentations at a variety of Ophthalmology-related conferences around the world, including the American Academy of Ophthalmology and ARVO, the major annual international scientific meeting for vision research.

The resident research program exposes the residents to the scientific research process by involving them with a faculty mentor in either basic science or clinical studies. Many residents choose a project that spans all three years of their residency to allow adequate time for a fully developed project. All residents, fellows, and medical students are encouraged to attend ARVO and present their research. Graduate students in either an MS or PhD program are advised by either Cynthia Roberts, PhD, or Deborah Grzybowski, PhD in their vision-related research. In addition, some of our affiliated faculty also advise graduate students in vision research.

Many small research projects are supported by the Ohio Lions Eye Research Foundation, from which the department receives an annual endowment. The past year has witnessed many accomplishments in the Research Division, accomplishments that move us to the forefront of vision research in multiple areas.
The Retina Division faculty for the 2008—2009 academic year included John Christoforidis, MD, Susie Chang, MD, Fred Davidorf, MD, Paul Kurz, MD, and Alan Letson, MD. Dr. Kurz joined the faculty in November 2008 after having completed fellowships in Medical Retina at Duke, as well as two additional one year fellowships in Uveitis and Ocular Genetics at the Casey Eye Institute. The end of the year was highlighted by the move to the new Gowdy Fields facility, acquisition of a Zeiss Cirrus Spectral Domain OCT, an additional Zeiss Stratus OCT and upgrades for the other 2 Stratus machines for clinical trial work, additional Fundus Autofluorescence capability for use at all retina locations, and two new Alcon Constellation Vitrectomy units for use in the new surgical facility at Gowdy Fields.

Patient care activity included over 9,000 patient visits, with over 7,200 diagnostic imaging procedures for the division and the department, including time and spectral domain OCT, Fluorescein Angiography, A and B scan Diagnostic Ultrasound (anterior and posterior segments) and Fundus Auto Fluorescence. The surgical retina team performed over 1039 major vitreo-retinal procedures. Over 1732 intravitreal injections were given for wet AMD and other causes of CNV and macular edema. Fred Davidorf, MD managed the ocular oncology portion of the service with a steady inflow of ocular melanoma patients.

Research efforts increased significantly during the year. Led by research manager Laura Sladoje and clinical coordinators Jill Salerno, Jill Milliron, and Kathy McKinney, the division was actively involved in studies sponsored by National Eye Institute/National Institutes of Health, DRCR and Genentech. Applications and preparations were made for additional clinical trials and funding for studies to begin in the upcoming year, including studies on retinal detachments, cataract and macular edema, Dry AMD, and topical VEGF inhibitors. Scott Savage and his team of photographers of Stephen Shelley and Amanda Barnett contributed to imaging for these retinal trials as well as other trials performed by other departmental divisions.

In addition to the sponsored clinical trials listed below, Fred Davidorf continued his research in ocular melanoma. John Christoforidis has been developing high-resolution MRI for ocular diseases in conjunction with the radiology department and completed studies on wound healing and VEGF inhibitors in mouse models.

The basic science research effort was boosted by the addition of Mohamed Abdel Rahman MD,PhD who has a PhD in Pathology from Ohio State and recently completed a 2-year fellowship in cancer genetics at OSU in 2006. He is currently working with Dr. Davidorf on various projects involving uveal melanoma genetics.

The division maintained its teaching activity by supporting two retinal fellows, Mark Barsamian, DO and Mike Wells, MD, and working with residents in their first-year and second-year retina rotations. We have medical students also rotate on the service. Retina faculty deliver weekly retina lectures to residents and hold imaging conferences with residents and fellows. The faculty also serves as preceptors for resident research projects and is active in the curriculum of the College of Medicine.

*Indicates a community faculty member. For a complete list of our community faculty visit www.eye.osu.edu/directory/community.
Publications & Presentations

OSU Eye & Ear Institute conference room for on-site presentations and continuing education
Publications


Grzybowski DM. “Retinoblastoma, a paradigm for the practice of clinical cancer genetics.” Children Cancer Hospital of Egypt. Cairo, Egypt. April 16, 2009.


Lewis JR, Mahmoud AM, Beran RF, Roberts CJ. “Clinical Comparison between single- and dual-Scheimpflug keratometry and pachymetry and response to misalignment,” European Society of Cataract and Refractive Surgery (ESCRS) International Meeting. Berlin, Germany. September 15, 2008.


Ophthalmology Faculty
This is a list of our full-time, onsite faculty. For a complete list of our faculty, visit www.eye.osu.edu/directory.
Havener Eye Institute has witnessed amazing developments in Ophthalmology since it was established in 1929. The past 80 years have seen the field of medicine advance further than in the rest of human history. We are able to treat eye conditions and ocular diseases that were unknown at the beginning of the 20th Century. With each patient, we renew our efforts to save sight and restore hope. We believe that the contribution we make today will echo forever in the lives of our patients.