

Ortho in Motion

Winter 2024

Partnering with Orthopedic Private Practice Groups to Enhance Team Approach to Trauma Care

[Henry Ford Medical Group](#) and two large private groups (St. Clair Orthopedics and Associated Orthopedists of Detroit) have entered into a partnership agreement to work together to improve patient outcomes in the Macomb area community.



[Kenneth Scott, DO](#), Medical Director of Orthopedics at [Henry Ford Macomb Hospital](#) says this partnership facilitates a team approach to meet the needs of patients from a trauma perspective.

"The Henry Ford Medical Group and these groups have cared for our patient population for years," says Dr. Scott. "This collaboration allows us to take care of patients at Henry Ford Macomb Hospital who sustain serious fractures in a time sensitive fashion."

"Depending upon the day of the week, there is an orthopedic surgeon who has agreed to operate on all time sensitive fractures that day." These surgeons are either orthopedic traumatologists or seasoned surgeons with an interest in and passion for trauma surgery," explains Dr. Scott. "This collaboration allows us to work together with a common goal of improving patient outcomes, decreasing morbidity and mortality and providing the highest quality care."



[Joseph Hoegler, MD](#), Orthopedic Trauma Surgeon and Vice Chair, Department of Orthopedic Surgery, Henry Ford Health, who provides trauma surgery at Henry Ford Macomb Hospital, says having a dedicated surgeon to take care of all of the patients with orthopedic trauma improves efficiency.

"Having a qualified and dedicated surgeon, as well as a dedicated operating room available every day, allows us to care for patients with orthopedic injuries in a timely fashion," explains Dr. Hoegler.



[Lindsay Maier, MD](#), Henry Ford Health orthopedic trauma surgeon who began operating at Henry Ford Macomb Hospital in 2023 with Dr. Hoegler as part of the expansion of operating room coverage explains the new partnership increases access to trauma surgical care closer to home and family.

“The partnership between the Henry Ford Medical Group and private groups not only allows for orthopedic trauma patients to be cared for in a more time sensitive fashion, it also reduces the number of patient transfers between Henry Ford hospitals,” she says. “Prior to this collaboration, patients with more complex fractures would often require transfer to Henry Ford Hospital to see an orthopedic traumatologist.”

The collaboration, which began in early 2023, has resulted in an increase of dedicated operating room coverage of orthopedic trauma cases at Henry Ford Macomb Hospital to five days per week.

“With the successes we are seeing from this collaboration between Henry Ford Macomb Hospital, Henry Ford Medical Group and the private practice groups, we will look at expanding this care model to our other level 2 and level 3 trauma programs,” noted Dr. Hoegler.



Interested in joining the Henry Ford Orthopedics team?

Visit henryford.com/orthojobs to learn more and apply for current openings within the orthopedic and sports medicine department.

HENRY FORD HEALTH®

Awards and Recognitions

Congratulations to the following Henry Ford Orthopedic Surgeons on their accomplishments.



[Charles Day, MD, MBA](#), System Medical Director of Value Specialty Care, Executive Vice Chair and Chief of Orthopedic Hand Surgery, was invited to represent Henry Ford Health at the 2023 Hong Kong International Wrist

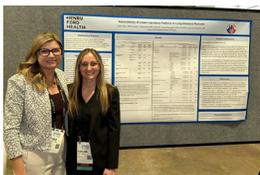
Arthroscopy Workshop and Seminar in December. Dr. Day spoke on the following topics: The Value of Wrist Arthroscopy and Carpal Ligament Injuries. He also shared his personal journey around the importance of finding the right work-life balance.



[Nicole Brouyette, DPM, FACFAS](#), has been appointed Vice President for the American College of Foot and Ankle Surgeons (ACFAS) Great Lakes Region. The American College of Foot and Ankle Surgeons is known for its preeminent education offerings and expert surgeon

members. The society consists of over 8,000 foot and ankle surgeons.

Innovative Foot and Ankle Research Gains National Recognition



Congratulations to the Henry Ford Podiatry resident team for having a research poster accepted into the American College of Foot and Ankle Surgery National

Conference. This innovative research initiative is aimed at investigating the foot and ankle pathology rate in runners participating at a high level of competition. The residents are in their second year of data collection and analysis, and they will continue to partner with the Detroit Marathon to gather participants for the study which is designed to help future runners.



[Christina Chapski EdD, AT, ATC](#), Director, Athletic Training & Community Outreach, was selected to provide medical services as an athletic trainer for Team USA at the International Skating Union (ISU) Junior Grand Prix (JGP) of Figure Skating

Armenian Cup in October. The Junior Grand Prix is a series of junior international competitions organized by the ISU that are held from August to December annually. Medals are awarded in the disciplines of men's singles, women's singles, pair skating and ice dance.

Since 2019, Christina has been traveling two times per season with US Figure Skating to international competitions for singles, pairs, dance and synchro skating. Christina says the trip this past October was special from a personal perspective, as she has some Armenian heritage and was able to tour with her downtime. In February, she traveled to the 2024 Challenger Series PGE Hevelius Cup with synchro skating in Gdansk, Poland.



Orthopedic Surgery Residency Training Program Updates

The Henry Ford [Orthopedic Surgery Residency Program](#) is halfway through the academic year and time seems to be flying by. The new PGY1 class participated in their first ever "Intern Bootcamp" with four full weeks of introduction to the specialty. They had extensive hands-on labs, directed lectures for high-yield, introductory topics, and varied clinical experiences, all aimed at getting them ready to hit the ground running. They are now well integrated into the program and reaping the rewards from their early foundational learning.



[S. Trent Guthrie, MD](#), Henry Ford Residency Program Director and Orthopedic Trauma Surgeon, noted while there is excitement for everything that the current PGY1 class will accomplish in their burgeoning careers, it is never too early to start planning for next year's class.

"We are in the thick of recruiting season with interviews already scheduled and awaiting to meet these outstanding candidates," says Dr. Guthrie. "This is the second recruiting cycle using preference signaling in the application process."

Dr. Guthrie was involved in the planning and implementation of preference signaling in orthopedics through his position in the Council of Orthopaedic Residency Directors (CORD). Preference signaling is a process that has been used in other industries for years but has only recently caught on in medicine. This allows

applicants to indicate their most preferred programs at the time of application. Several other specialties had previously used 3-5 signals with mixed success. There was significant signal concentration with top programs getting the majority of signals, and the remainder getting few, if any. In an attempt to solve this issue, orthopedic surgery decided to disrupt the process and offer a much higher number of signals, thirty.

Preliminary data has been quite positive, according to Dr. Guthrie, showing that signal concentration was much less and that the vast majority of programs had a sufficient number of signals to include this as a factor in holistic review of applications.

"There were also benefits to a higher number of signals, including applicants matching more at one of their most preferred programs, programs filling their classes higher on their rank lists, and programs identifying interested applicants who they otherwise might have missed using traditional methods," he says.

The results were so compelling after just one year that multiple other specialties decided to change to a high number of signals for their own applicants this year.

"This process is quite new, and we will have to continue to study the outcomes over several years, but preference signaling seems to be a very promising development in the residency recruiting, interviewing and matching process," adds Dr. Guthrie.



CBO Process Kicks Off the Future of Health Project

Henry Ford Health, Michigan State University, Tom Gores and the Detroit Pistons, and the City of Detroit announced plans to begin an extensive Community Benefits Ordinance (CBO) process for a mission-driven community development and investment of \$3 billion over the next decade. The project aims to transform Detroit's New Center neighborhood into a vibrant, walkable community with state-of-the-art health care, residential, commercial, retail and recreational components.

The development will be anchored by a major expansion of Henry Ford Hospital that features a brand new one-million-square-foot-plus facility and patient tower. It also includes a new, cutting-edge medical research facility for Henry Ford Health + Michigan State University Health Sciences, part of the two organizations' 30-year landmark partnership.

Transforming the section of New Center which currently houses the headquarters for both Henry Ford Health and the Detroit Pistons, the partners plan to create a destination to work, live and play that's infused with mixed income living spaces, commercial/retail options, and green space, while bringing connectivity between Henry Ford's hospital footprint located north and south of West Grand Boulevard.

In summary, the project footprint will include:

- New state-of-the-art Henry Ford Hospital tower and expanded emergency department
- Cutting edge medical research facility
- Two new residential/commercial/retail/mixed-use buildings
- Renovation of One Ford Place to a new mixed-income residential/commercial/retail/mixed-use building
- New 800-space parking structure

Orthopedic Surgery Enhancements

[Joseph Hoegler, MD](#), Vice Chair, Department of Orthopedic Surgery and Co-Medical Director of Henry Ford Hospital OR, explains the new development includes significant operating room enhancements.

"Plans include 28 new state-of-the-art operating rooms with cutting edge technology. This will allow us to continue to advance the surgical care we provide with robotic surgery, navigation assisted surgery and minimally invasive surgery," says Dr. Hoegler.

For additional project information visit www.detroitmi.gov/futureofhealth.



Henry Ford Health, Ascension Michigan Agree to Joint Venture



Henry Ford Health and Ascension Michigan have signed an agreement to enter a joint venture that will bring together Ascension's southeast Michigan and Genesys healthcare facilities and assets with Henry Ford's. This will allow both organizations to advance the health of the communities they serve and improve outcomes, access and equity for all by establishing an integrated network focused on population health and community initiatives that support the region's most vulnerable populations, as well as innovation, academic medicine, and advanced, complex care.

"Together we can expand healthcare services and deliver innovations in care — from prevention and early detection through the treatment of complex conditions — to more people and communities across our state, including those who are most vulnerable," said [Robert Riney, President and CEO, Henry Ford Health](#).

"We are united in our shared values, cultures, and commitment to those we serve," said [Carol Schmidt, FACHE, Senior Vice President, Ascension, and Ministry Market Executive, Ascension Michigan](#). "Together, we will make significant strides in improving the health of Michigan communities through unparalleled investments in critical community health initiatives, as well as contributing secure, high paying jobs and other related employment."

The combined organization would employ approximately 50,000 team members at more than 550 sites of care across our region.

The expanded organization, slated to be branded Henry Ford Health, will remain headquartered in Detroit. It would be led by President and CEO Bob Riney and governed by a Board of Directors representative of both organizations. Both organizations are committed to working to maintain the Catholic identity of the Ascension Michigan facilities included in the partnership. Conversations on the future state of the Catholic identity of these facilities are ongoing.

"Patients across Michigan will have more access than ever to end-to-end healthcare services, from primary care through complex specialty care and procedures," said [Doug Apple, MD, Chief Clinical Officer, Ascension Michigan](#). "Together, we will coordinate existing and expanded services to surround our patients with what they need to live healthy lives – with more options closer to home. By focusing on the creation of an integrated, streamlined healthcare journey, we can improve the consumer experience, improve care coordination, and provide superior value."

This joint venture is also designed to expand opportunities for healthcare providers, including significantly enhanced patient-centered care delivery models and improved care coordination through interconnectivity between patients, providers and care management functions.

According to [Adnan Munkarah, MD, President, Care Delivery System & Chief Clinical Officer, Henry Ford Health](#), "The commitment of the new combined organization to clinical excellence, educational partnerships and research remains steadfast, as is the focus on continuing to advance research that has immediate clinical applications and will improve treatment and outcomes. Additionally, the expanded footprint created through this joint venture will allow Henry Ford Health to provide outstanding comprehensive medical care, train more physicians, nurses, and allied health professionals at more sites and in more specialties, across the communities we serve."

What this Means for Orthopedic Care in the Community

[Jonathan Braman, MD](#), Chair and Medical Director of the Orthopedic Service Line at Henry Ford Health explains the new joint venture offers a wonderful opportunity to improve orthopedic care to a wider network of people. "I look forward to creating relationships with the excellent clinicians and administrators at Ascension in order to enhance the opportunity to provide care to the people of southeast Michigan. This joint venture will allow patients with problems across the entire spectrum of musculoskeletal issues to receive the care that they need."

The organizations are in the process of submitting the agreement to state and federal regulatory agencies for review and hope the transaction will close in 2024.

Community Outreach

Henry Ford Medical Team Shines Bright at Detroit Free Press Marathon

Over 24,000 runners participated in the 2023 Detroit Free Press Marathon this past year, and the Henry Ford Health Medical Team, comprised of approximately 120 volunteers, was there every step of the way.

Kimberly Collier MS, AT, ATC, Supervisor of Athletic Training at Henry Ford and a member of the core medical team for the Detroit Marathon, explains more than 90 percent of the volunteer medical team consists of Henry Ford Health clinicians with additional volunteers from area health systems. In addition to Kimberly, the Henry Ford core medical team included Co-Medical Directors [Laura Owczarek, MD](#) and [Steven Rockoff, DO](#), and Christina Chapski, EdD, AT, ATC, Director of Athletic Training & Community Outreach. The team also included Emergency Department physicians and nurses, Sports Medicine Department physicians, Athletic Trainers, Primary Care physicians, ED and Sports Medicine residents, Physical Therapists and EMTs.

To support runners over the 26.2 miles there were a variety of medical assets along the way: 8 medical tents, 9 golf-cart teams, and one large medical central field hospital tent in the finish line area.

“All medical assets were fully staffed and able to treat both minor and major incidents from cuts and blisters to dehydration and cardiac arrest. Our partners from MedStar Ambulance were also positioned along the entire course to support our medical efforts,” Kimberly says.

Henry Ford Health has been the Official Healthcare Provider for the Detroit Marathon since 2020.



Medical Directors team at the completion of the 2023 race. L to R: Christina Chapski, Kim Collier, Steven Rockoff, Laura Owczarek, Andy Brown (VP of Stakeholder Integration, Medstar Ambulance)



Team members at a course medical tent

Innovative Research Helping Future Runners

The Henry Ford Health Department of Foot and Ankle Surgery was also onsite to assist with injuries while conducting foot and ankle research. Specifically, the study is aimed at assessing lower leg injury patterns among runners with differing ability and training levels in preparation for long distance events. The research team includes principal investigator of the study [Nicole Brouyette, DPM](#), Foot and Ankle Surgery Specialist at Henry Ford Hospital, along with PGY2 Podiatric Surgery Resident, Taylor Fillar, and [Laura Owczarek MD](#), Henry Ford Sports Medicine Specialist and Detroit Free Press Medical Director.



Race participants were allowed to contribute to the research initiative lead by the Henry Ford Foot and Ankle team. Following the race, they received a link to a survey with questions about running and training habits, as well as the history of injury in the lower leg.

Dr. Brouyette explains the survey data included participant demographics, training level, low leg injury patterns, treatments and footwear used. The research team is working on data analysis with some results to be presented in 2024.

“The outcome underscores the importance of tailored training programs for novice, intermediate and advanced runners that consider runners ability and gradual progression of training volume and intensity,” noted Dr. Brouyette. “Overall, the research contributes to a better understanding of how runners’ characteristics influence their injury susceptibility and highlights the need for targeted preventive measures based on individual training and ability levels.”

Henry Ford Hosts Fourth Perry Outreach Initiative

In a continued effort to expand upon diversity in orthopedics, the Henry Ford Department of Orthopedic Surgery hosted its fourth [Perry Initiative](#) outreach event at the end of the year. The Perry Initiative Program offers career exploration for young women in high school who are interested in careers in orthopedic surgery, engineering or both.

On the first day of this two-day event, the Henry Ford team welcomed 40 medical students from eight different medical schools to spend an evening learning about the field and participating in hands-on simulations of common orthopedic surgeries. The second day was spent teaching 40 local high-school students about orthopedics as well as careers in various fields of engineering. The students participated in hands-on surgical simulations and learned to cast and suture.

[Stephanie Muh, MD](#), Henry Ford Orthopedic Surgeon, initiated bringing the Perry Initiative Program to Henry Ford as part of an ongoing focus to improve diversity in orthopedics.

“This is a great initiative that I am passionate to be a part of to help invoke change for the next generation of orthopedic surgeons both at Henry Ford and throughout the orthopedic specialty,” says Dr. Muh. “Improving diversity to mirror the overall population improves healthcare disparity, access to care, and improved patient outcomes. And we look forward to providing more DEI initiatives from the Orthopedic Department and the return of the Perry Initiative in the fall of 2024.”



Scholarships Awarded to Visiting Medical Students

Four Diversity Equity Inclusion and Justice (DEIJ) scholarships were recently awarded to visiting medical students from backgrounds that are historically underrepresented in Orthopedic Surgery.

“These scholarships were created to offset the costs of travel and housing associated with away rotations and are funded by the underrepresented in medicine (URiM) and DEIJ Orthopedics Scholarship Community Giving Fund,” says Elizabeth (Lisa) King, MD, Hand Surgeon at Henry Ford Health.

Each student completed a four-week rotation in the department, participating in trauma, joints and other subspecialty services alongside residents and attendings. Learn more by visiting the [HFH Scholarship](#) web page.

The scholarship recipients are:



Jennifer Sheasley
University of Washington



Chauncey Bridges
Howard University



Abdul-Lateef Shafau
Central Michigan



Alondra Diaz
University of Illinois

Comings and Goings

Henry Ford Bids Fond Farewell to Veteran Orthopedic Physicians

Henry Ford Orthopedics Department would like to recognize two physicians who have had a longstanding career at Henry Ford Health.



Jim Moeller, MD, has started a new position as Clinical Professor, West Virginia University School of Medicine. His tenure at Henry Ford Health includes Fellowship Director, Primary Care Sports Medicine and Team Physician – Wayne State University, Bloomfield Hills High School and Motor City Cruise (NBA G-League).

[Jonathan Braman, MD](#), Department Chair and Medical Director of Orthopedics, Henry Ford Health says during Dr. Moeller's time at Henry Ford, he was a consistent advocate for his patients and his fellows.

"This is a great description of what we want throughout the Henry Ford Health Department of Orthopedics. We wish him well in his next adventure," says Dr. Braman.



Terry Lock, MD, who has retired, has served as Orthopedic Surgeon in the Sports Medicine Division of the Department of Orthopedic Surgery at Henry Ford Hospital for more than three decades. He served as team physician for the Detroit Lions and University of Detroit Mercy for approximately 20 years, Detroit Tigers for 12 years and the Detroit Pistons the last two years.

[Patricia Kolowich, MD](#), Henry Ford Health Fellowship Director-Orthopedic Sports Medicine, worked with Dr. Lock for 34 years and says he was always someone you could count on and always available to help.

"He is an excellent surgeon and physician who is thoughtful, compassionate and thorough in caring for his patients. He will leave a large void in our department and will be greatly missed," says Dr. Kolowich.

"Dr. Lock is a great example of what can happen when a surgeon practices in one place for a long time and does outstanding clinical and educational work—the community responds, wonderful opportunities arise, and a great impact occurs for the physician and their patients," adds Dr. Braman. "Terry made the most out of every opportunity that presented itself."

Welcome Henry Ford Health Orthopedic and Sports Medicine Specialist



[Kian Setayesh, MD](#)

Specialty: Orthopedic Surgery

Location:

[Henry Ford Medical Center - Templin](#)

2070 Biddle Ave

Wyandotte, MI 48192

Contact: 734-225-9100

Ortho in Motion Spotlight

Henry Ford's Innovative Research Arm – The Bone and Joint Center



[The Bone and Joint Center \(BJC\)](#), the research arm of the Henry Ford Health (HFH) Department of Orthopedic Surgery, is located within the state-of-the-art [Wayne State University Integrative Biosciences Center](#) research facility in midtown Detroit. The overall mission of the HFH BJC is to improve the understanding and treatment of musculoskeletal diseases across a wide spectrum of research fields including molecular biology, biomechanics and motion analysis.



Shabana Amanda Ali, PhD, who joined Henry Ford Health in 2020, has more than 15 years of experience in osteoarthritis research. She serves as Assistant Scientist in the Bone and Joint Center and heads the Musculoskeletal Genomics division with a research program aimed at identifying novel diagnostic and therapeutic strategies for osteoarthritis (OA).

“By applying cutting edge technologies such as sequencing to emerging areas of research such as epigenetics, our laboratory is focused on identifying underlying molecular mechanisms of complex joint pathologies such as OA,” expresses Dr. Ali.

Promising Class of Therapeutic Targets

Though it's among the most common joint diseases, there is currently no cure nor any disease-modifying drugs for OA. Dr. Ali notes that a promising class of potential therapeutic targets is microRNAs (miRs) – small RNA molecules that are found in tissues and fluids throughout the body.

“Through an epigenetic mechanism, miRs directly target and inhibit gene expression and therefore play specific roles in diseases like OA,” Dr. Ali says.

The Ali lab recently published [a study](#) exploring a pair of miRs, miR-335-5p and miR-335-3p, that were initially identified by sequencing liquid biopsies from OA patients. A series of experiments utilizing primary human OA biospecimens revealed that miR-335-5p is highly expressed in knee OA fat pad and can regulate lipid content.

“Since excess fat is generally associated with worsened OA outcomes, this suggests that miR-335-5p could be pursued as a therapeutic target for OA, though further testing is required,” adds Dr. Ali.

Benefits of Clinical Biospecimens for Research, Patients and Care

Dr. Ali emphasizes the use of clinical biospecimens in basic science research is critically important for supporting translation of findings from bench to bedside. Accordingly, engagement of patients in research is a priority of the Ali lab, where clinical biospecimens are used in almost all experiments.

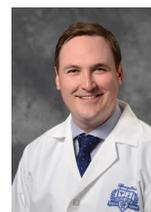
In 2020, together with [Jason Davis, MD](#), the HFH OA Biobank was established in the Ali lab for collection of joint tissues and biofluids from patients undergoing knee and hip surgeries. Over the past three years, this repository has grown to include biospecimens from roughly 500 consenting HFH patients, with additional support provided by [Vasilios \(Bill\) Moutzouros, MD](#) and [T. Sean Lynch, MD](#).



Dr. Davis



Dr. Moutzouros



Dr. Lynch

“The lab has banked multiple aliquots of each biospecimen collected in an effort to create a resource for the broader orthopedic research community,” says Dr. Ali. “To promote use of these biospecimens, we have [published](#) our protocol for collecting and analyzing seven primary knee OA tissues.”

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The Importance of Collaboration Between Clinicians and Researchers

When it comes to the ultimate goal of improving the quality of patient care, collaboration is key.

“Resources such as the HFH OA Biobank that are so integral to translational research would not exist without engagement of patients and clinicians,” says Dr. Ali. “This highlights a major strength of the HFH Department of Orthopedic Surgery, where ground-breaking basic science research discoveries are made possible through team effort.”

Clinicians interested in collaborating with the Bone and Joint Center are encouraged to contact Dr. Ali at sali14@hfhs.org.

Return to Sport Program Offers Customized Performance Plans to Meet and Exceed Athletic Goals

With a state-of-the-art [Center for Athletic Medicine](#) facility housing the latest technology and specialists in athletic medicine, Henry Ford Health’s Return to Sport Program provides a crucial step in getting athletes back to their peak performance and reduce reinjury risk.

Nick Parkinson, supervisor of Athletic Training and Sports Performance, explains the Return to Sport Program allows all athletes, whether they are recreational players or in competitive play, to bridge the gap between rehabilitation and full return to activity.

“Although insurance often does not cover this phase of the athletic recovery process, it’s the most important step for athletes,” says Nick. “The program offers equipment not normally available to athletes in a healthcare setting, including motion capture, force plates, 1080 Motion and AlterG.

“In addition to our state-of-the-art technology, it’s the outstanding skill level of the performance staff and their ability to work hand in hand with sports rehabilitation, sports psychology and integrative medicine to address the whole athlete that sets our return to sport programming apart from competitors,” Nick adds.

Open Communication with Referring Physicians

The Return to Sport staff includes athletic trainers who communicate with referring physicians at every step to make sure athletes meet the ultimate goal of returning to their sport.



“We provide not only quantitative information but also qualitative to make sure the athlete is moving well and not just meeting benchmarks,” says Nick. “For example, after returning from an ACL surgery, an athlete may achieve a return of normal or better quadriceps strength and symmetry with hop testing (quantitative symmetry), but they may demonstrate a neuromuscular deficit that causes them to move in ways that increases their re-injury risk (qualitative deficits) as they return to their sport.”

The cost for the program is about the same as a copay. An initial evaluation is \$75 with a pay by session option for \$50 each. Packages are also available with 12 sessions for \$565 or 24 sessions for \$985. Return to sport testing is \$150.

Physicians interested in learning more about the benefits of the program for their patients are encouraged to call (313) 651-1917, email sportsperformance@hfhs.org or visit [Henry Ford Sports Performance Program](#).



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visit henryford.com/RPO
or call 877.434.7470.