

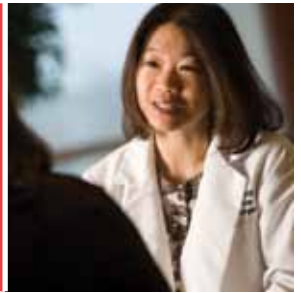


University Hospitals
Case Medical Center

Cleveland | Ohio

The Difference in Rheumatology

Division of Rheumatology





Among the nation's leading academic medical centers, University Hospitals Case Medical Center is the primary affiliate of Case Western Reserve University School of Medicine, a nationally recognized leader in medical research and education.







University Hospitals Case Medical Center

University Hospitals Case Medical Center has been at the forefront of patient care, physician education and medical research for more than 144 years.

Founded after the Civil War as a place of healing, the institution embraced a broader role as medical science advanced. By the turn of the twentieth century, a modern general hospital was enhanced by specialty facilities for women, children and infants. An affiliation with the medical school of what was then Western Reserve University – today Case Western Reserve University – made University Hospitals of Cleveland one of the first true academic medical centers in the United States, joining Johns Hopkins Hospital and Massachusetts General in combining the training of young physicians and the pursuit of laboratory research with delivery of the most advanced patient care.

Our mission:

To Heal.

To Teach.

To Discover.



University Hospitals Case Medical Center is located in University Circle, Cleveland's district of innovation in health care, education, arts and culture.

(Inset) The Rapid Transit Authority's HealthLine joins downtown Cleveland to University Circle.

In 1931, new facilities brought University Hospitals and the School of Medicine onto the same medical campus in University Circle. Over the years the complex continually expanded both its physical presence and the scope of its professional activities, adding diagnostic and treatment capabilities as well as top-flight physicians and surgeons. Eleven Nobel laureates have been affiliated with the medical center, helping to develop leading-edge treatments and therapies in such areas as heart disease, cancer, cystic fibrosis, neonatology and a host of subspecialties.

Today, as the primary affiliate of Case Western Reserve University School of Medicine, the **University Hospitals Case Medical Center** boasts a strengthened relationship to research and teaching and a large academic medical campus that incorporates nationally acclaimed hospitals including UH Rainbow Babies & Children's Hospital, UH Ireland Cancer Center and UH MacDonald Women's Hospital. In addition new institutes have emerged: The UH Neurological Institute, UH Harrington-McLaughlin Heart & Vascular Institute, UH Eye Institute, the UH Digestive Health Institute and the UH Urology Institute. The UH Case Medical Center campus, which provides patient-centered care with the most sophisticated diagnostic and therapeutic technologies, is augmented by a regional network of affiliated hospitals and suburban satellite locations.

University Hospitals is in the midst of completing Vision 2010, a five-year, \$1.2 billion strategic plan, which includes building a new freestanding 120-bed inpatient and outpatient UH Cancer Hospital to house the UH Ireland Cancer Center; a Center for Emergency Medicine at UH Case Medical Center for adults and children; a recently opened Neonatal Intensive Care Unit at UH Rainbow Babies & Children's Hospital, which was ranked second in the nation for newborn care by U.S. News & World Report; and building the UH Ahuja Medical Center, a 432,000-square-foot hospital and office building in Beachwood, Ohio, and several outpatient health centers throughout Northeast Ohio. A key portion of Vision 2010 focuses on implementing a new state-of-the-art Electronic Medical Record system throughout the health system.



As part of our strategic plan, the UH Cancer Hospital will open for patients in 2011. The 120-bed facility will bring together diagnostics, outpatient and inpatient treatment, surgery, clinical trials and professional education and research all under one roof.



Our History

From humble beginnings University Hospitals Case Medical Center has led the ranks of academic medicine in patient care, physician education and biomedical research, fulfilling all three elements of its ongoing mission – “To Heal. To Teach. To Discover.”

The world's earliest blood transfusion took place here in 1906, Dr. Spock began his child development research here, and CPR was first developed and taught here. UH Case Medical Center is where iodine's role in thyroid disease was discovered, where Dr. Claude Beck performed the first surgical treatment of coronary artery disease, and where research in cystic fibrosis was launched. Throughout its history, University Hospitals has led medical advancements that have improved the lives of people around the world.

Learn more about pioneering advancements, current research and future investments in **Rheumatology**, one of University Hospitals Case Medical Center's most comprehensive and esteemed specialty areas.

Division of Rheumatology

The Division of Rheumatology at University Hospitals Case Medical Center is widely recognized as a center for superb health care, offering unsurpassed education and cutting-edge research through its relationship with Case Western Reserve University School of Medicine.

Division History

The division was established in 1963 by Paul Vignos, MD, more than 11 years before the first Board of Rheumatology was given by the American Board of Internal Medicine. Dr. Vignos, a myologist, had a distinct vision. He established the muscle clinic at University Hospitals to care for both acquired and inherited muscle diseases, in addition to running an experimental animal myopathy laboratory. Dr. Vignos was also known for his philanthropic activities, including endowing a chair in The Division of Rheumatology in 2006.

Dr. Vignos' leadership was followed by Roland W. Moskowitz, MD, who joined University Hospitals in 1962. During his tenure, he elevated the division to national and international levels by establishing its models of osteoarthritis studies, which culminated in a textbook on osteoarthritis and 11 other books on rheumatic diseases. He received the highest level of honor from the American College of



Helping Shape the Profession

The Division of Rheumatology at UH Case Medical Center is one of the sponsors of the Annual Rheumatic Review and regularly participates in local and regional fireside conferences and annual conferences on Sjögren's syndrome.

The division will sponsor the 19th Cleveland Annual Review of Rheumatic Diseases, April 9 and 10, 2010. The conference, which features lectures by leading figures on topics such as vasculitis, systemic lupus, anti-phospholipid syndrome, pain management, Behcet's syndrome, myopathies, gout and osteonecrosis of the bone, is expected to be attended by rheumatologists from nearly every state in the nation.

Rheumatology, the President's Gold Medal. While he remains active in the Division of Rheumatology with an endowed chair, Dr. Moskowitz was succeeded by Ali Askari, MD, in 2001 as chief of the division.

Dr. Askari helped develop systemwide rheumatology care at UH Case Medical Center and initiated collaborative studies with the School of Dental Medicine over the past five years, which have resulted in four national publications, four graduating theses and three papers, the last one of which was recognized by a number of health care agencies including the BBC, ABC, WebMD and Pittsburgh Science Report. These studies of the relationship between Rheumatoid Arthritis and Periodontal Disease, both of which are inflammatory diseases, were also published in the Value of Research and Think Magazine and have paved the way for large-scale research in this area.

The Division of Rheumatology at UH Case Medical Center has conducted pioneering work on cartilage and osteoarthritis, T and B cell functions, models of osteoarthritis, and role of complement in diseases such as systemic lupus, myopathies and Sjögren's syndrome.



Commitment to Education

Education has been one of the utmost priorities of the division since its inception. Over the past four decades more than 50 highly qualified rheumatologists graduated and were certified by the Board of Internal Medicine and subspecialty of Rheumatology, and most are now involved in academic practice or research across the country. The division's post-doctoral fellowship program, through the Case Western Reserve University School of Medicine, is nationally recognized and fully accredited with commendation – the highest honor – by the Accreditation Council for Graduate Medical Education.





Clinical Endeavors

The Division of Rheumatology treats a host of rheumatic diseases, delivering personalized care so that patients benefit from the most recent diagnostic and therapeutic care of rheumatic diseases.

The division boasts clinical practices at 14 sites in the Cleveland metropolitan area. Specialized care is offered to patients with muscle disease, Sjögren's syndrome, osteoarthritis and systemic lupus erythematosus.

The recently formed Sjögren's Syndrome Center is an intradepartmental clinical concept with participation of faculty members from the Departments of Ophthalmology, Otolaryngology, Neurology, Urology, Dental Medicine, Gynecology, Gastroenterology and Pathology. This highly specialized center provides first-in-class care to patients, and physicians have compiled clinical data on 300 patients with this autoimmune disorder.

Research and Advancements

NIH Research funding to Case Western Reserve University School of Medicine supports scientific, translational and clinical research at UH Case Medical Center.

The Division of Rheumatology at UH Case Medical Center directs a number of local and national research projects on basic and clinical rheumatology.

Dr. Askari has led research in steroid-induced myopathies, cardiac involvement in inflammatory myopathies, treatment of polycondritis with Colchicine, arthritis of hemochromatosis, rheumatic complications after intestinal bypass surgery for obesity, and rheumatoid arthritis and periodontitis treatment. His ongoing research includes the role of Vitamin D in psoriasis, compliance in osteoporosis treatment and clinical aspects of Sjögren's syndrome.

Donald Anthony, MD, PhD, studies the role of cellular immunity and the human host response to Hepatitis-C and HIV infections with funding from the Veteran's Administration, National Institutes of Health, National Institute of Allergy and Infectious Diseases, and Arthritis Foundation.

Charles Malemud, PhD, is active in basic research studies related to signal transduction pathways in human chondrocytes that are induced by pro-inflammatory cytokines. As an author of more than 180 publications, Dr. Malemud has contributed to research in the areas of osteoarthritis, rheumatoid arthritis and fibromyalgia.

After joining the faculty of the Division of Rheumatology, Edward Medof, MD, was the first to structurally characterize human GPI anchors. Over the past five years, he has turned his attention to T cells and has uncovered a heretofore unknown role of local complement production and its regulation by DAF in T cell immunity.

Physicians & Scientists

at UH Case Medical Center and
Case Western Reserve University School of Medicine

Division of Rheumatology

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Case Western Reserve University
Chief, Division of Rheumatology
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UH Case Medical Center
Awarded Division of Rheumatology
MVP, 2006

Physicians and scientists at University Hospitals Case Medical Center and Case Western Reserve University School of Medicine have published over 44 articles this past year. To review these current publications, visit **UHhospitals.org/RHEUpub**

Physicians & Scientists at UH Case Medical Center and Case Western Reserve University School of Medicine *(continued)*

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Arminda Lumapas, MD

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Award for Juvenile Arthritis

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**For additional information,
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