



## The Newest Advances in Neurology and Neurosurgery



### Ohio State Scientists Study How to Use the Immune System to Treat Neurological Diseases

The Ohio State University Wexner Medical Center is leading the way in neuroinflammation research. Researchers are studying how to use the body's immune system to treat neurological diseases like multiple sclerosis, stroke and amyotrophic lateral sclerosis. The team's research may be the first step in finding therapies that repair the nervous system, not just prevent or slow damage and deterioration.

[Learn more](#)



### New Approaches to Treating Movement Disorders With Deep Brain Stimulation and Other Advanced Treatments

The Ohio State University Wexner Medical Center's Movement Disorders Division offers advanced therapies to treat more than 100 patients a year with movement disorders like Parkinson's disease, essential tremor, dystonia and Tourette syndrome. Aristide Merola, MD, PhD, discusses these advanced therapies, including deep brain stimulation, gene therapy, MRI-guided focused ultrasound and infusion therapies.

[Learn more](#)



### The Past, Present and Future of Gene Therapy for Spinal Muscular Atrophy and Neuromuscular Diseases

Researchers at The Ohio State University Wexner Medical Center are connecting the dots between the past and the future of gene therapy for spinal muscular atrophy (SMA) to improve quality of life for patients. W. David Arnold, MD, details how the Ohio State team is leveraging past successes in gene therapy for SMA to apply to other neuromuscular and neurodegenerative diseases

[Learn more](#)



### One of America's Best Hospitals

One of the nation's leading academic health centers, The Ohio State University Wexner Medical Center offers healthcare services in virtually every specialty and subspecialty in medicine. In 2019, *U.S. News & World Report* for the 27th consecutive year named the Ohio State Wexner Medical Center to the magazine's list of "Best Hospitals," based on quality, outcomes and reputation.

[Learn more](#)

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To contact us for patient referral, information on clinical research or any other questions, call **614-293-4969**.



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