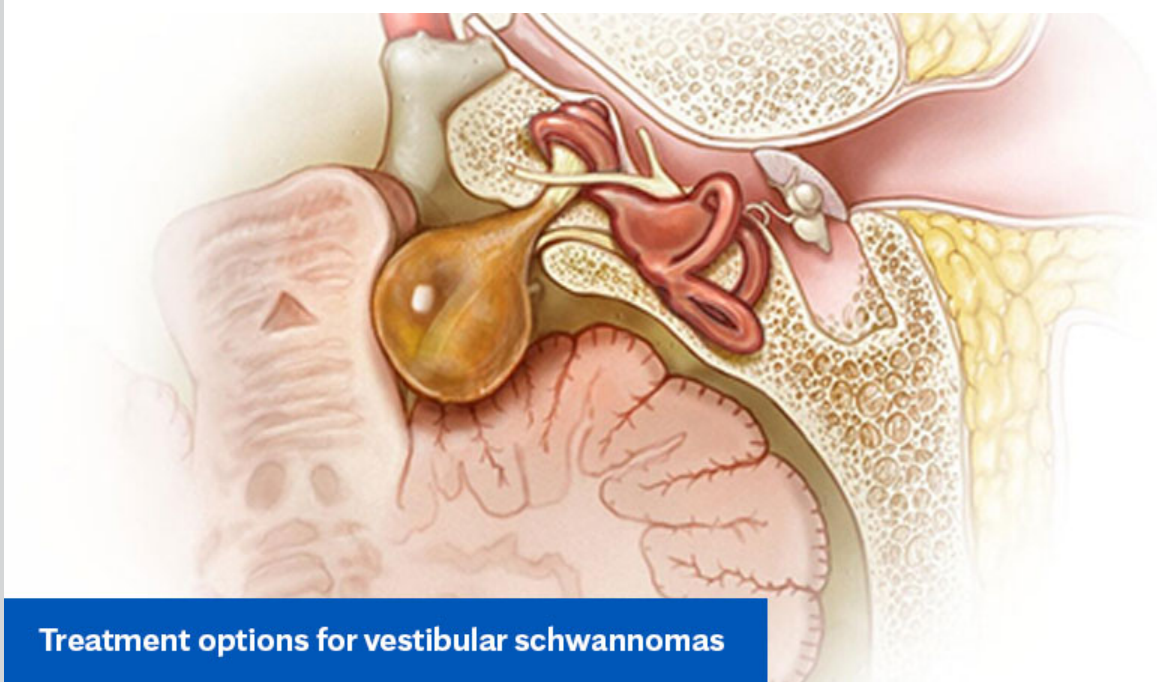
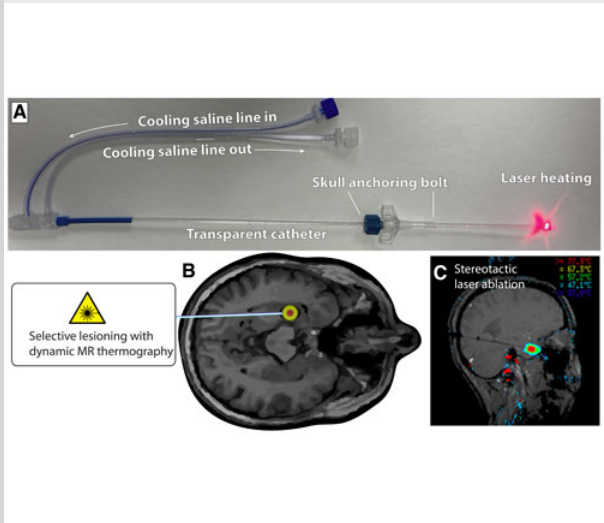


# Neurosciences Physician Update

September 2022



## Patient Care



### LITT provides minimally invasive treatment of brain lesions

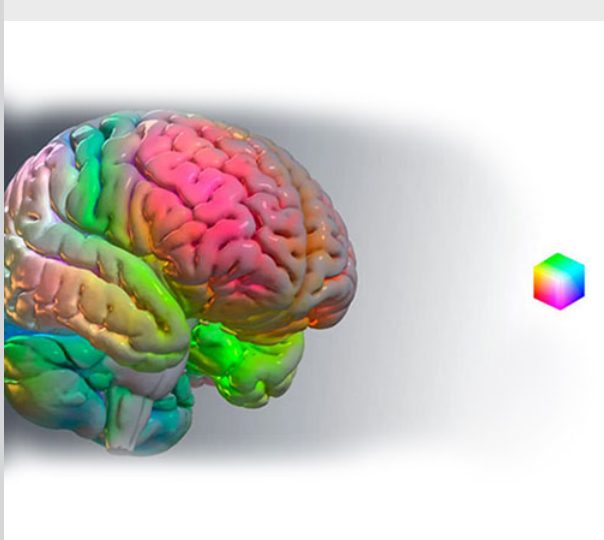
Mayo Clinic routinely performs laser interstitial thermal therapy (LITT) to treat epilepsy and brain tumors. LITT can be an option for individuals who wish to avoid open resection.

[Learn more](#)

[See more Neurology and Neurosurgery news](#)

[View Neurology and Neurosurgery specialty videos and Grand Rounds presentations](#)

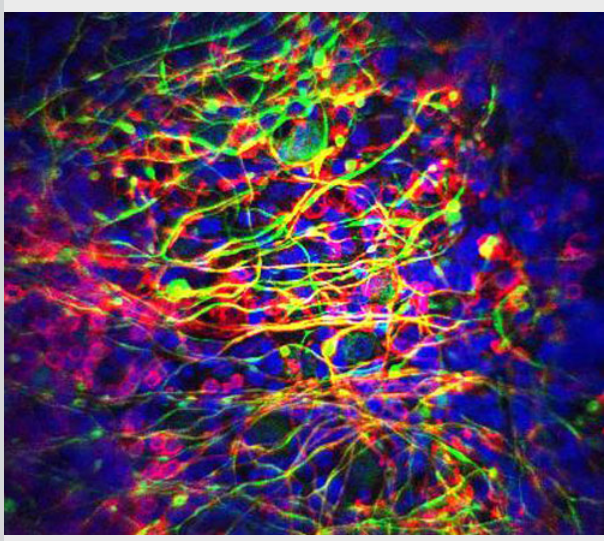
## Research



### Machine learning yields potential new approach to understanding neurodegeneration

Mayo Clinic's model localizes mental functions relevant for Alzheimer's disease and related disorders. The model can potentially impact the diagnosis, treatment and understanding of neurodegenerative disease.

[Learn more](#)



### Research indicates potential for generating re-myelination

Altered NAD+ metabolism is linked to high-fat diets and multiple sclerosis. Mayo Clinic found that normalizing levels of that enzyme promotes re-myelination in laboratory models.

[Learn more](#)

[See all Neurology and Neurosurgery Clinical Trials at Mayo Clinic](#)

## Education

Mayo Clinic School of Continuous Professional Development offers [live courses](#), [livestreaming courses](#), [online continuing medical education \(CME\) courses](#) and [podcasts](#) to meet your CME needs. Medical education from Mayo Clinic experts is also available through [GIBLIB](#), a new on-demand medical education library.

[See all Neurology and Neurologic Surgery Continuing Medical Education courses](#)

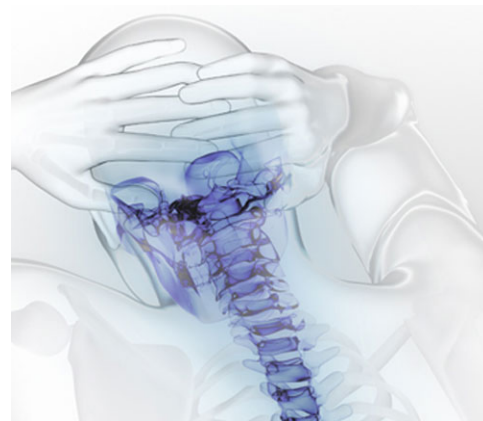


### Parkinson's Disease and Other Movement Disorders — 2022

Nov. 4-5, 2022  
Phoenix and Livestream

This course focuses on standard-of-care treatment algorithms for the management of movement disorders and video demonstrations to assist with diagnosis.

[Register Now](#)



### 6th Annual Multidisciplinary Spine Care Conference 2022

Nov. 18-19, 2022  
Amelia Island, Fla. and Livestream

This course focuses on the management of patients with diverse spinal disorders and conditions. Topics include technological advancements and spinal complications.

[Register Now](#)

## COVID-19 Updates and Resources

[Read more](#)

## Consults and Referrals

**Phoenix/Scottsdale, Arizona**  
844-464-0050

Admission and Transfer Center (ATC) line for urgent/emergent referrals  
480-342-1155

**Jacksonville, Florida**  
844-275-1062

Admission and Transfer Center (ATC) line for urgent/emergent referrals  
904-717-0206

**Rochester, Minnesota**  
844-384-4982

Admission and Transfer Center (ATC) line for urgent/emergent referrals  
507-255-2910

**Neurology**  
507-405-0786

**Neurosurgery**  
507-405-0873

[Online Referrals](#)

## Resources

[Life-Changing Careers](#)

[Clinical Trials](#)

[Mayo Clinic School of Continuous Professional Development](#)



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