

# Breakthroughs in Clinical Care and Cutting-Edge Research

## LEVERAGING THE ONLY PROTON CENTER IN IL TO SUPPORT PATIENTS WITH INTRAOCULAR TUMORS

Since opening in 2010, our experienced multidisciplinary team of physicians, who are among the most highly-regarded thought leaders in the country, have been providing advanced radiation therapies to our patients. We are one of the few hospitals in the U.S. to offer both [proton beam therapy and plaque brachytherapy](#) for uveal melanoma, which allows for personalized care and improved outcomes. Chris Bowen, MD, an ophthalmic oncologist and retina surgeon at Northwestern Medicine, talks about the treatment options available to patients at their facility. For more information, please click [here](#).



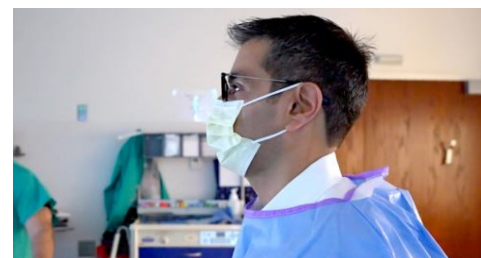
## POWERFUL CHEMOTHERAPY DRUG REACHES BRAIN TUMORS USING NOVEL ULTRASOUND TECHNOLOGY



As one of the [world's leading centers](#) for brain tumor research, Northwestern Medicine is dedicated to finding new treatments and bringing it to our patients. Our scientists report results of the first in-human clinical trial in which they used a novel, skull-implantable ultrasound device to open the blood-brain barrier and repeatedly permeate large, critical regions of the human brain to deliver chemotherapy that was injected intravenously. This treatment is groundbreaking, read more about it in the article, please click [here](#).

## LEVERAGING AI TO DETECT AND REMOVE 13% MORE COLORECTAL POLYPS

Recent research by Northwestern Medicine have shown that physicians using AI-assisted colonoscopies have seen a 13% increase in the detection and removal of colorectal polyps. The FDA-approved Medtronic GI Genius™ system has proven to be highly effective in detecting and removing adenomas, the most common type of colorectal polyp. The results are impressive and demonstrate the potential for AI technology to improve patient outcomes and advance medical practices. Northwestern Medicine continues to push boundaries with innovative research. Rajesh Keswani, MD, MS, Director of Endoscopy for Northwestern Memorial Hospital and Director of Quality for Digestive Health Center, talks about advanced technology in healthcare. To learn more, please click [here](#).



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## 2,500<sup>th</sup> LIVER TRANSPLANT SURGERY – FIRST IN ILLINOIS TO REACH MILESTONE



Surgeons and staff at Northwestern Memorial Hospital performed their **2,500<sup>th</sup> liver transplant** surgery on June 8, 2023, becoming the first health system in Illinois to reach this milestone. This accomplishment is a testament to our dedication to providing lifesaving liver care and advancing medical practices. Our advanced approach has allowed us to transplant marginal livers that may have been rejected by other transplant centers. With more than 90 clinical trials related to transplant and \$8 million in federal funding for transplant research, Northwestern Medicine is at the forefront of liver care.

## INTRODUCING THE FIRST COMPLEX UROLOGIC INFECTIOUS DISEASES CLINIC IN THE U.S.

The **Northwestern Medicine Complex Urologic Infectious Diseases Clinic** is the first of its kind in the country. The clinic offers a coordinated approach to care for patients who have upper urinary tract infections (UTIs) and structural or functional abnormalities that affect the effectiveness of antimicrobial therapy. These patients are at a higher risk for treatment failure and morbidity, such as bacteremia and sepsis, perinephric abscess, renal deterioration and emphysematous pyelonephritis. Northwestern Medicine provides advancements in the medical field that offer better care and treatment options for patients.



## FROM PERSONALIZED PATIENT CARE TO GLOBAL HOSPITAL PARTNERSHIPS, ONE OF THE TOP-RANKED HOSPITALS AND MEDICAL SCHOOLS IN THE U.S. IS HERE TO SERVE YOU

### PATIENT EXPERIENCE

Elevating the patient experience through personalized support.

### TRAINING & EDUCATION

Offering opportunities to learn from our world-renowned physicians.

### RESEARCH

Providing access to our latest innovations and breakthroughs.

### GLOBAL ADVISORY & CONSULTING SERVICES

Partnering to develop clinics, new facilities, and innovative programs.