

# HYDROCEPHALUS IN ILLINOIS

HYDROCEPHALUS IS A CHRONIC NEUROLOGICAL CONDITION THAT HAS NO CURE. ANYONE AT ANY TIME CAN DEVELOP HYDROCEPHALUS, FROM INFANTS TO SENIORS. THE ONLY TREATMENT REQUIRES BRAIN SURGERY.



# CONTRIBUTIONS TOWARD A BETTER TOMORROW

### **UNIVERSITY OF CHICAGO**

2015 Hydrocephalus Association **\$49,785** A Molecular Shunt for Curing Hydrocephalus. Principal Investigator: Linninger, Andreas

### 2021 NIH NIBIB \$339,292

Transfontanelle photoacoustic imaging to study the pathophysiology of neonatal brain injury. Principal Investigator: Avanaki, Kamran

### NORTHWESTERN UNIVERSITY

2020 NIH NINDS **\$45,520** A Predictive Model for Assessment of CSF Flow Through Ventricular Shunts. Principal Investigator: Arafa, Hany Mohamed

### 2021 NIH NINDS \$42,104

A Predictive Model for Assessment of CSF Flow Through Ventricular Shunts. Principal Investigator: Arafa, Hany Mohamed

### NORTHWESTERN UNIVERSITY AT CHICAGO

2020 NIH NIGMS **\$329,248** Developmental Dynamics of Ciliated Epithelia. Principal Investigator: Mitchell, Brian JosephYOUr

## UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

2019 NIH NICHD **\$182,940** grap Measuring CSF shunt flow with MRI using flow enhancement of signal intensity (Shunt-FENSI). Principal Investigator: Sutton, Bradley P.

### RHAEOS, INC.

### 2021 NIH NINDS \$1,000,000

Noninvasive, wireless thermal sensors for the quantitative monitoring of ventricular shunt function in patients with hydrocephalus. Principal Investigator: Somera, Anna Lisa

### **RUSH UNIVERSITY**

2021-2026 NIH NINDS Grant **\$14,000,000** Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting, Principle Investigator: Sani Sepehir



2 Clinical Research Networks

1 Basic & Translational Research Network

2 Biobanks

1 Hydrocephalus Patient-Powered Registry

36% Decrease in Shunt Infection Rates

11 Preclinical Drug Therapies in testing

1 New Patent for a Drug Target

1 FDA Investigational New Drug Application



## CHICAGO WALK TO END HYDROCEPHALUS

Forest Preserve of Cook County- Miller Meadow 2024 Date TBD hydroassoc.org/chicagowalk

### COMMUNITY SUPPORT GROUP

Chicago Community Network State-wide Online Facebook Group One-on-one Peer Support Volunteers

### WWW.HYDROASSOC.ORG