Hydrocephalus Association

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 Joseph

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

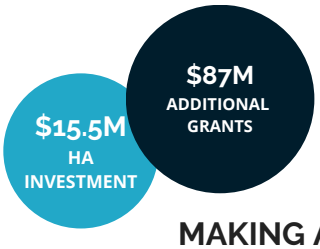
2019 NIH NICHD **$182,940**
Measuring CSF shunt flow with MRI using flow enhancement of signal intensity (Shunt-FENSI). Principal Investigator: Sutton, Bradley P.

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



MAKING AN IMPACT

The Big Picture

2 Clinical Research Networks

1 Basic & Translational Research Network

2 Biobanks

1 Hydrocephalus Patient-Powered Registry

36% Decrease in Shunt Infection Rates

12 Preclinical Drug Therapies in testing

2 New Patent for a Drug Target

1 FDA Investigational New Drug Application



CHICAGO
WALK TO END HYDROCEPHALUS

Independence Grove, Libertyville, IL
September 21. 2024
hydroassoc.org/chicagowalk

COMMUNITY SUPPORT GROUP

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