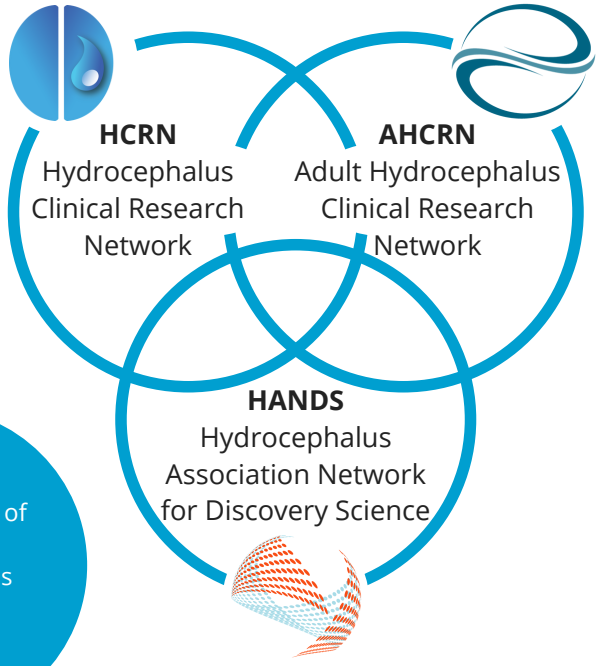
Hydrocephalus Association

HYDROCEPHALUS IN **NEW YORK**

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.

TOGETHER TOWARDS A CURE



PAGE 2 for a full listing of funded hydrocephalus research in New York

$15.5M HA INVESTMENT

$87M ADDITIONAL GRANTS

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

WALKS TO END HYDROCEPHALUS

Western New York, Beaver Island, September 7, 2024
hyroassoc.org/westernnywalk

Long Island, Belmont Lake State Park, October 6, 2024
hydroassoc.org/longislandwalk



COMMUNITY SUPPORT GROUPS

Western New York, Buffalo | New York City | Long Island | State-wide Online Facebook Group | One-on-one Peer Support Volunteers

Hydrocephalus Association

CONTRIBUTIONS TOWARD A CURE

ALBERT EINSTEIN COLLEGE OF MEDICINE

2013 Hydrocephalus Association & Rudi Schulte Research Institute **$458,242**
MR Elastography: A noninvasive tool for management of shunted pediatric hydrocephalus. Principal Investigator: Wagshul, Mark

2021 NIH NINDS **$585,059**
Intraventricular Hemorrhage Disrupts the Blood Brain Barrier in Premature Infants. Principal Investigator: Ballabh, Praveen

COLUMBIA UNIVERSITY HEALTH SCIENCES

2020 NIH NINDS **$445,500**
Machine Learning to Optimize Management of Acute Hydrocephalus Patients. Principal Investigator: Park, Soojin

2021 NIH NIA **$809,998**
An investigation of Alzheimer's Disease pathology, microglial immune response, and CSF proteomics in normal pressure hydrocephalus patients. Principal Investigators: Teich, Andrew Franklin & McKhann, Guy M.

CORNELL MEDICAL COLLEGE

2010 Hydrocephalus Association **$110,000**
Improve diagnosis of NPH through imaging. Principal Investigator: Moore, Dana

NEW YORK UNIVERSITY, LANGONE MEDICAL SCHOOL

2018 Hydrocephalus Association **$1,500**
HA – MRI Features of High Volume Lumbar Puncture (HVLP): Responders Compared to Non Responders. Travel Award. Awardee: Lotan, Eyal

2021-2026 NIH NINDS Grant **$14,000,000**
Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting

STATE UNIVERSITY OF NEW YORK

2020 Department of Defense **$324,000**
A Novel Nonsurgical Approach to Treat Post-Traumatic Hydrocephalus. Principal Investigator: Krishnamurthy, Satish

STONY BROOK UNIVERSITY

2017 NIH NIA **$3,201,522**
Nitric oxide-mediated changes in glymphatic and CSF systems in aging and Alzheimer's disease. Principal Investigators: Enikolopov, Grigori N and Enveniste, Helene D

2019 Hydrocephalus Association **$50,000**
Understanding how disturbances in the way the brain produces and uses energy are related to the development of hydrocephalus in both children and adults. Principal Investigator: Holdener, Bernadette

ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

2021-2026 NIH NINDS Grant **$14,000,000**
Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting

MEMBERS

Adult Hydrocephalus Clinical Research Network

Columbia University Medical Center, New York-Presbyterian Hospital

NYU Langone Medical Center, NYU School of Medicine