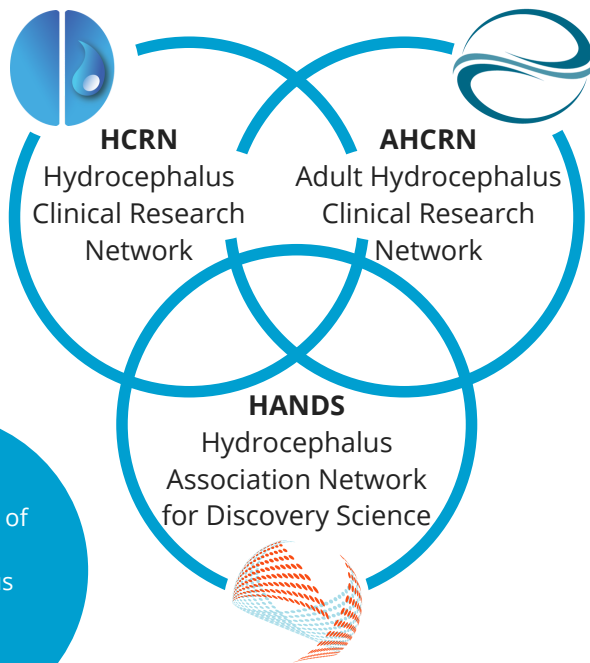


# HYDROCEPHALUS IN NEW YORK

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

**\$13.8M**  
HA INVESTMENT

**\$73M**  
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
- 11 Preclinical Drug Therapies in testing
  - 1 New Patent for a Drug Target
- 1 FDA Investigational New Drug Application

## WALKS TO END HYDROCEPHALUS

Western New York, Beaver Island, September 7, 2024  
[hydroassoc.org/westernnywalk](http://hydroassoc.org/westernnywalk)

Long Island, Belmont Lake State Park, October 6, 2024  
[hydroassoc.org/longislandwalk](http://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



# 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