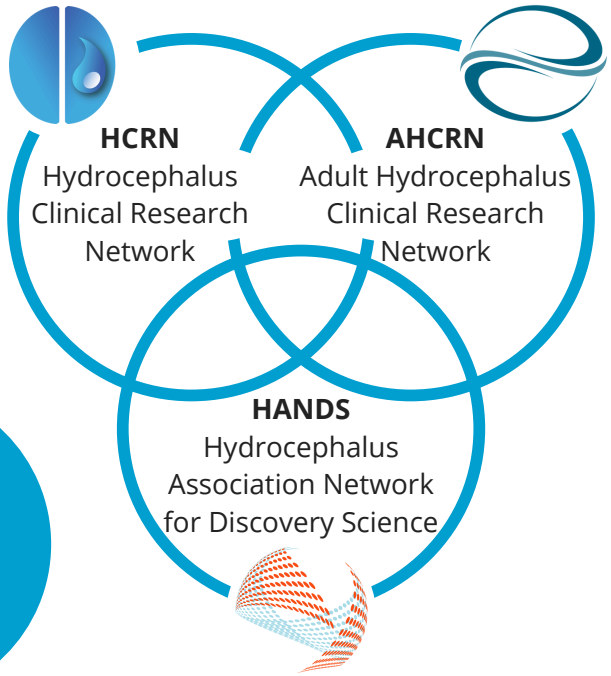
Hydrocephalus Association

HYDROCEPHALUS IN **OHIO**

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 Ohio

$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

Columbus, Glacier Ridge Metro Park, Sept 28, 2024
Greater Cincinnati, Friendship Park, Sept 28, 2024
Cleveland, Edgewater Park, October 5, 2024



COMMUNITY SUPPORT GROUPS

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

Hydrocephalus Association

CONTRIBUTIONS TOWARD A CURE

CLEVELAND CLINIC

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

CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER

2013 Hydrocephalus Association **$400,000**
The role of neural progenitor cells in the development of neonatal hydrocephalus. Principal Investigator: Vogel, Timothy

2015 Hydrocephalus Association **$50,000**
Insights into Fetal Onset Hydrocephalus in a novel mouse model. Principal Investigator: Goto, June

2015 Hydrocephalus Association **$22,000**
Development of HydroAssist, first mobile app for hydrocephalus patients.

2017 Hydrocephalus Association **$50,000**
Understand the mechanisms of CSF accumulation in Posthemorrhagic Hydrocephalus (PHH). Principal Investigator: Goto, June

2018 Hydrocephalus Association **$1,500**
A new rat model of congenital hydrocephalus. Travel Award. Awardee: Emmert, Scott A.

2019 Hydrocephalus Association/Rudi Schulte Research Institute **$50,000**
Impaired neocorticogenesis and glymphatic-mediated CSF flow in the new genetic rat model of neonatal hydrocephalus. Principal Investigator: Goto, June

2020 Hydrocephalus Association/Rudi Schulte Research Institute **$50,000**
Develop a technique to treat congenital hydrocephalus by performing an endoscopic third ventriculostomy (ETV) in utero. Principal Investigator: Peiro, Jose

CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER CON'T

2020 Hydrocephalus Association **$1,500**
L1cam Mutation Exacerbates Neonatal Hydrocephalus in a CCDC39-Deficient Rat Model Characterized by Impaired Glymphatic CSF Flow. Travel Award. Awardee: Emmert, Scott A.

2020-2022 Rudi Schulte Research Institute **$150,000**
Targeting microglia activation to support healthy neural development in a shunt-treated neonatal hydrocephalus model. Principal Investigator: Goto, June

2018 Hydrocephalus Association **$1,500**
Inflammation and Impaired Neural Differentiation in CCDC39 Rat Model of Neonatal Hydrocephalus. Travel Award. Awardee: Iwasawa, Eri

2023 Rudi Schulte Research Institute **$100,000**
Principle Investigator: Goto, June

UNIVERSITY OF CINCINNATI

2020 NIH NINDS **$198,141**
The Impact of Intracranial Pressure on Cortical Functioning and Cognitive Outcome after Traumatic Brain Injury. Principal Investigator: Foreman, Brandon

2021 NIH NINDS - ICH **$700,355**
Recovery Grant. Principal Investigator: Woo, Daniel

MEMBERS

Hydrocephalus Clinical Research Network (HCRN)
Ohio State University, Nationwide Children's Hospital

Adult Hydrocephalus Clinical Research Network (AHCRN)
Cleveland Clinic