Hydrocephalus Association

HYDROCEPHALUS IN **WASHINGTON**

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 WASHINGTON

2017 Hydrocephalus Association **$25,000**
Identify early imaging markers for infants at risk for posthemorrhagic hydrocephalus (PHH). Principal Investigator: Tully, Hannah

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

2023 Hydrocephalus Association **$50,000**
The Micro MRNA, MIR9 as a Network Regulator in Hydrocephalus. Principal Investigator: Cherry, Tim

UNIVERSITY OF WASHINGTON, SEATTLE CHILDREN'S RESEARCH INSTITUTE

2018 Hydrocephalus Association **$50,000**
Test a new drug to stop the development of posthemorrhagic hydrocephalus. Principal Investigator: Millen, Kathleen

2023 Hydrocephalus Association **$50,000**
The Micro MRNA, MIR9 as a Network Regulator in Hydrocephalus. Principal Investigator: Cherry, Tim

2019 NIH NINDS **$666,161**
Megalocephaly and segmental brain overgrowth in humans. Principal Investigator: Millen, Kathleen

TAPROOT MEDICAL TECHNOLOGIES, LLC

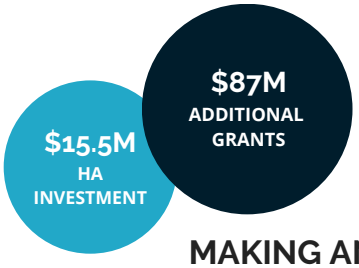
2019 Department of Defense **$290,512**
Development of a Stable Zwitterionic Polymer Coating on Ventricular Catheters to Prevent Hydrocephalus Shunt Failure. Principal Investigator: Sinclair, Andrew

2021 Department of Defense **$2,995,903**
An Innovative Zwitterion-Treated Ventricular Catheter to Prevent Shunt Failure in Hydrocephalus Treatment. Principal Investigator: Sinclair, Andrew

MEMBERS

Hydrocephalus Clinical Research Network (HCRN)
University of Washington, Seattle Children's Hospital

Adult Hydrocephalus Clinical Research Network (AHCRN)
University of Washington Medical Center



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



WALK TO END HYDROCEPHALUS

Warren G. Magnuson Park, Seattle
September 7, 2024
hydroassoc.org/seattlewalk

COMMUNITY SUPPORT GROUPS

Eastern WA Community Network
Seattle Community Network
State-wide Online Facebook Group
One-on-one Peer Support Volunteers