



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

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

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 (AHCN)
University of Washington Medical Center

\$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



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