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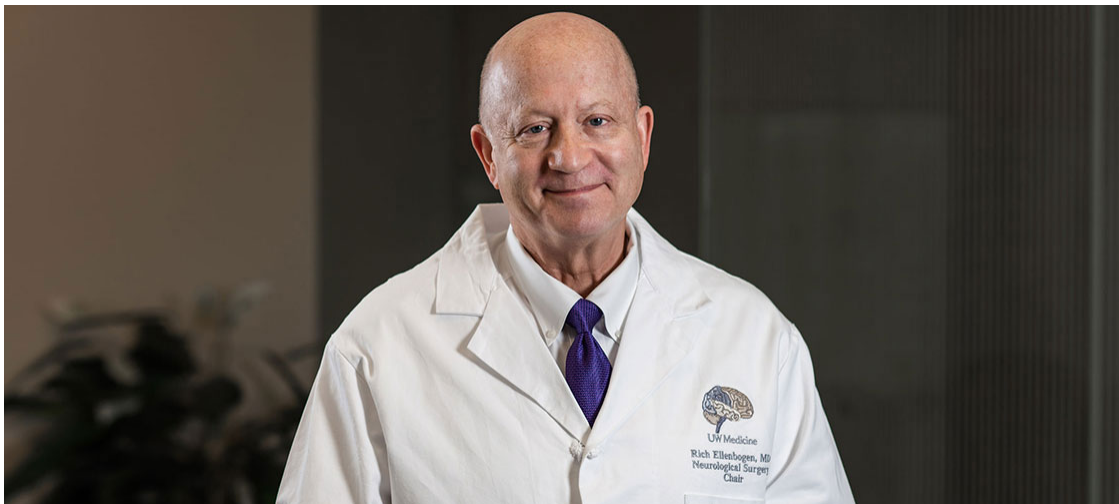
Trailblazing Educational and Clinical Work - Neurosurgery Catches National Attention

UW Medicine

NEUROSCIENCES INSTITUTE

Neurosurgery Special Issue

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Dr. Ellenbogen Receives Innovative Education Award

Richard Ellenbogen, MD, received a 2023 Parker J. Palmer Courage to Teach Award from the Accreditation Council for Graduate Medical Education (ACGME) for his dedicated mentoring of neurosurgery residents. Citing a highly diverse and innovative residency program with vast clinical and research opportunities, he sees UW Medicine as the cutting-edge neurosurgery leader.

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Harborview Medical Center Named Cerebral Cavernous Malformations (CCM) Clinical Center

Harborview Medical Center earned the designation as a Cerebral Cavernous Malformation (CCM) Clinical Center from the Alliance to Cure Cavernous Malformation. This recognition highlights Harborview's multidisciplinary efforts to treat and cure these raspberry-shaped collections of abnormal, leaky-wall blood vessels.

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Brain Technology Is Moving Forward, but Are Ethical Standards Up To Speed?

Andrew Ko, MD, neurological surgeon, and **Nancy Jecker, PhD**, professor of Bioethics and Humanities, discuss the long-term implications of new implantable brain-computer interfaces, or BCIs. Neuralink, a for-profit Elon Musk company, may start human trials in the next year, but what ethical standards those trials will be held to are unclear.

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The Latest in Leading Research

- **Jeffery G. Ojemann, MD**, co-authored an article on multiple mutations to PNKP, an enzyme vital to repairing broken DNA strands, make it harder for the body to recover from DNA injury and increase the risk of pediatric glioma in some patients.
- **Abdullah Feroze, MD, Samuel Emerson, MD, PhD**, and researcher **Anca Mihalas** published on *Cleavage Under Targets and Tagmentation (CUT&Tag)*, a low-cost method to identify the chromatin modification signal that turns genes on and off, can be used to pinpoint changes in differentiating human embryonic stem cells, peripheral blood mononuclear cells and glioblastoma biopsies.
- **Investigator John R. Williams, MD**, analyzed how white children are more likely to be diagnosed with central nervous system tumors than children of other racial or ethnic groups. The underlying reasons remain unclear, but research indicates interventions to improve access to care and diagnostic imaging could be beneficial.
- Lead investigator and vice chair of research in neurological surgery **Christine MacDonald, MD**, studied military men and women suffering combat-related traumatic brain injury (TBI) and evading full recovery. According to a 10-year follow-up study, their symptoms continue to progress over time.

UW Medicine's Neurological Surgery Department

UW Medicine is home to one of the largest and most experienced teams of neurological surgeons. They provide the best neurological care at four hospitals – University of Washington Medical Center, Harborview Medical Center, Seattle Children's Hospital and the VA (Veterans Affairs) Puget Sound.

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University of Washington Medical Center named state's top hospital for 11th year

UW Medical Center is again ranked #1 in Washington state highlighting the outstanding work of UW Medicine's 39,000-plus faculty, staff, students and trainees in support of our mission to improve the health of the public.

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