

## William Steven Benko, M.D.

### Philosophy of Care

Dr. Benko utilizes a very personal approach, allowing the child, when appropriate, to help guide the treatment plan allowing the best outcome. If they have any questions, he will be happy to answer them. To help ease any anxiety of visits, no "shots" will be given. Since the COVID-19 pandemic, Dr. Benko has transitioned a vast amount of patient care to video visits (via various platforms) to minimize travel and risk of virus exposure.

### Clinical Interests

William S. Benko is a Professor of Neurology and the Director of the Leukodystrophy Clinic in the Division of Pediatric Neurology within the Department of Neurology. Though he see pediatric patients from birth up until adulthood with conditions related to Developmental Delays, Seizures and Epilepsy, Tic disorders, Headaches and Migraines, he does hold special interest in the rapidly expanding knowledge and management of Neurogenetics, with an emphasis on Leukodystrophies.

### Research/Academic Interests

Dr. Benko is active in several projects in academic medicine. In addition to teaching residents and fellows, he is the site director for the Child Neurology Rotation for the Child Psychiatry Fellowship Program at UC Davis.

He also actively collaborates with other Leukodystrophy centers around the country in research projects.

He is passionate about medical education and has been very active and proactive in using several platforms of Tele-Neurology especially in the time of COVID-19 pandemic for both patient care and medical education of fellows, residents and medical students.

**Title** Director, UC Davis Leukodystrophy Clinic  
Professor, Division of Pediatric Neurology

**Specialty** Neurodegenerative Conditions, Epilepsy, Pediatric Neurology

**Department** [Neurology](#)  
[Pediatrics](#)

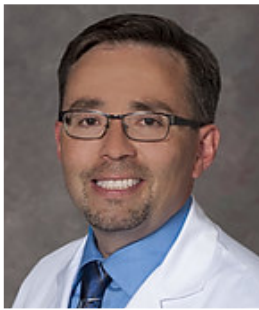
**Division** Pediatric Neurology

**Center/Program Affiliation** [UC Davis Children's Hospital](#)

**Address/Phone** UC Davis Midtown Ambulatory Care Center, Midtown Neurology Clinic, 3160 Folsom Blvd Suite 2100 Sacramento, CA 95816

**Phone:** 916-734-3588

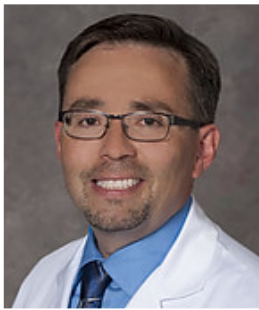
**Additional Phone** Clinic Fax: 916-734-7188  
Physician Referrals: 800-4-UCDAVIS (800-482-3284)



## William Steven Benko, M.D.

<b>Languages</b>	French, Hungarian, Spanish
<b>Education</b>	M.D., Semmelweis University of Medicine, Budapest, Hungary 1999 B.A., University of Rochester, Rochester NY 1993
<b>Internships</b>	Pediatrics, Atlantic Health System/Morristown Memorial Hospital, Morristown NJ 2000-2001
<b>Residency</b>	Pediatrics, Atlantic Health System/Morristown Memorial Hospital, Morristown NJ 2001-2002
<b>Fellowships</b>	Pediatric Neurology, Children's National Medical Center - George Washington University, Washington DC 2002-2005 Developmental and Metabolic Neurology, National Institutes of Health, Bethesda MD 2005-2007
<b>Board Certifications</b>	American Board of Psychiatry and Neurology, Child Neurology
<b>Professional Memberships</b>	American Academy of Neurology Child Neurology Society United Leukodystrophy Foundation
<b>Honors and Awards</b>	Outstanding Junior Member Award, Child Neurology Society 2004, 2005 Top Scholar Award, Ortho McNeil, 2003
<b>Select Recent Publications</b>	To view a detailed list of Dr. Benko's publications, please <a href="#">click here</a> .

Pelletier F, Perrier S, Cayami FK, Mirchi A, Saikali S, Tran LT, Ulrick N, Guerrero K, Rampakakis E, van Spaendonk RML, Naidu S, Pohl D, Gibson WT, Demos M, Goizet C, Tejera-Martin I, Potic A, Fogel BL, Brais B, Sylvain M, Sebire G, Lourenço CM, Bonkowsky JL, Catsman-Berrevoets C, Pinto PS, Tirupathi S, Strømme P, de Grauw T, Gieruszczak-Bialek D, Krägeloh-Mann I, Mierzewska H, Philippi H, Rankin J, Atik T, Banwell B, Benko WS, Blaschek A, Bley A, Boltshauser E, Bratkovic D, Brozova K, Cimas I, Clough C, Corenblum B, Dinopoulos A, Dolan G, Faletta F, Fernandez R, Fletcher J, Garcia Garcia ME, Gasparini P, Gburek-Augustat J, Gonzalez Moron D, Hamati A, Harting I, Hertzberg C, Hill A, Hobson GM, Innes AM, Kauffman M, Kirwin SM, Kluger G, Kolditz P, Kotzaeridou U, La Piana R, Liston E, McClintock W, McEntagart M, McKenzie F, Melançon S, Misbahuddin A, Suri M, Monton FI, Moutton S, Murphy RPJ, Nickel M, Onay H, Orcesi S, Özk?nay F, Patzer S, Pedro H, Pekic S, Pineda Marfa M, Pizzino A, Plecko B, Poll-The BT, Popovic V, Rating D, Rioux MF, Rodriguez Espinosa N, Ronan A, Ostergaard JR, Rossignol E, Sanchez-Carpintero R, Schossig A, Senbil N, Sønderberg Roos LK, Stevens CA, Synofzik M, Sztriha L, Tibussek D, Timmann D, Tonduti D, van de Warrenburg BP, Vázquez-López M, Venkateswaran



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S, Wasling P, Wassmer E, Webster RI, Wiegand G, Yoon G, Rotteveel J, Schiffmann R, van der Knaap M, Vanderver A, Martos-Moreno GÁ, Polychronakos C, Wolf NI, Bernard G. Endocrine and Growth Abnormalities in 4H Leukodystrophy Caused by Variants in POLR3A, POLR3B, and POLR1C. *J Clin Endocrinol Metab*. 2020 Oct 1:dga700. doi:10.1210/clinem/dga700. Epub ahead of print. PMID:33005949.

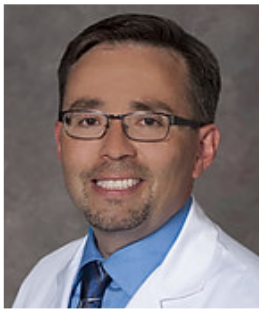
Dayal P, Chang CH, Benko WS, Ulmer AM, Crossen SS, Pollock BH, Hoch JS, Kisee JL, Warner L, Marciniak JP. Appointment completion in pediatric neurology telemedicine clinics serving underserved patients. *Neurol Clin Pract*. 2019 Aug;9(4):314-321. doi:10.1212/CPJ.0000000000000649. PMID:31583186.

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Jany PL, Agosta GE, Benko WS, Eickhoff JC, Keller SR, Köehler W, Koeller D, Mar S, Naidu S, Marie Ness J, Pareyson D, Renaud DL, Salsano E, Schiffmann R, Simon J, Vanderver A, Eichler F, van der Knaap MS, Messing A. CSF and Blood Levels of GFAP in Alexander Disease. *eNeuro*. 2015 Oct 1;2(5):ENEURO.0080-15.2015. doi:10.1523/ENEURO.0080-15.2015. PMID:26478912.

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Wolf NI, Vanderver A, van Spaendonck RM, Schiffmann R, Brais B, Bugiani M, Sistierra E, Catsman-Berrevoets C, Kros JM, Pinto PS, Pohl D, Tirupathi S, Strømme P, de Grauw T, Fribourg S, Demos M, Pizzino A, Naidu S, Guerrero K, van der Knaap MS, Bernard G; 4H Research Group. Clinical spectrum of 4H leukodystrophy caused by POLR3A and POLR3B mutations. *Neurology*.



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2014 Nov 18;83(21):1898-905. doi:10.1212/WNL.0000000000001002. Epub 2014 Oct 22. PMID:25339210.

Benko W, Ries M, Wiggs EA, Brady RO, Schiffmann R, Fitzgibbon EJ. The saccadic and neurological deficits in type 3 Gaucher disease. PLoS One. 2011;6(7):e22410. doi:10.1371/journal.pone.0022410. Epub 2011 Jul 20. PMID:21799847.

Mochel F, Yang B, Barritault J, Thompson JN, Engelke UF, McNeill NH, Benko WS, Kaneski CR, Adams DR, Tsokos M, Abu-Asab M, Huizing M, Seguin F, Wevers RA, Ding J, Verheijen FW, Schiffmann R. Free sialic acid storage disease without sialuria. Ann Neurol. 2009 Jun;65(6):753-7. doi:10.1002/ana.21624. PMID:19557856.

Schiffmann R, Fitzgibbon EJ, Harris C, DeVile C, Davies EH, Abel L, van Schaik IN, Benko W, Timmons M, Ries M, Vellodi A. Randomized, controlled trial of miglustat in Gaucher's disease type 3. Ann Neurol. 2008 Nov;64(5):514-22. doi:10.1002/ana.21491. PMID:19067373.

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