Stanford

# Keith Van Haren, MD

Assistant Professor of Neurology (Pediatric Neurology) and of Pediatrics


### CLINICAL OFFICE (PRIMARY)

- **Child Neurology**

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  Palo Alto, CA 94304

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## Bio

### CLINICAL FOCUS

- Autoimmune Diseases of the Nervous System
- Adrenoleukodystrophy
- Multiple Sclerosis
- Autoimmune encephalitis
- MOGAD
- Leukodystrophies
- Neurology with Special Qualifications in Child Neurology

### ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Neurology
- Assistant Professor - University Medical Line, Pediatrics
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

### HONORS AND AWARDS

- Excellence in Clinical Neurology, Stanford Dept of Neurology (2021)
- Ann Moser Award for Science & Humanism, ALD Connect (2020)
- Finalist, DP2 New Innovator Award, NIH (2019)
- Morgridge Endowed Faculty Scholar in Pediatric Translational Medicine, Stanford Maternal & Child Health Research Institute (2019)
- K23 Clinician-Scientist Training Award, NIH/NINDS (2015)
- PERF-CNF Scientific Award, Child Neurology Foundation (2011)
- Chief Resident, Stanford Dept Neurology (2009)
- Medical Student Teaching Award, Stanford Dept Neurology (2009)

- Commencement Speaker, University of Rochester School of Medicine (2005)
- Inductee, Arnold Gold Humanism Honor Society (2004)
- Moore Award, Honorable Mention, American Association of Neuropathology (2003)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Founding Member, ALD Connect (2014 - present)
- Founding Member, The Global Leukodystrophy Initiative (GLIA) (2014 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Neurology with Special Qualifications in Child Neurology, American Board of Psychiatry and Neurology (2010)
- BA, College of the Holy Cross , Chemistry (1999)
- MD, University of Rochester School of Medicine , Medicine (2005)
- PGY1-2 Pediatrics, Massachusetts General Hospital , Pediatrics (2007)
- PGY3-5 Neurology, Stanford University Hospitals & Clinics , Child & Adult Neurology (2010)
- Fellowship, Stanford University Hospital & Clinics , Neuroimmunology (2012)
- Post-doc, Steinman & Robinson Labs, Stanford University , Neuroimmunology (2014)

### LINKS

- The VH Lab at Stanford: http://med.stanford.edu/van-haren-lab.html
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our research group is dedicated to developing novel interventions for children at risk for neurodegenerative disorders. We are focused primarily on multiple sclerosis and X-linked adrenoleukodystrophy, both of which involve inflammatory and metabolic disruption to brain myelin. We are particularly interested in the role of childhood nutrient deficiencies in disease mechanisms and prevention.

### CLINICAL TRIALS

- A Clinical Study to Assess the Efficacy and Safety of Leriglitazone in Adult Male Subjects With Cerebral Adrenoleukodystrophy, Recruiting
- A Study of Participants With Cerebral Adrenoleukodystrophy (CALD) Treated With Elivaldogene Autotemcel, Recruiting
- A Study to Evaluate the Safety and Efficacy of ION373 in Patients With Alexander Disease (AxD), Recruiting
- The Myelin Disorders Biorepository Project, Recruiting
- A Pilot Study of Vitamin D in Boys With X-linked Adrenoleukodystrophy, Not Recruiting

## Teaching

### STANFORD ADVISEES

**Postdoctoral Faculty Sponsor**

Danielle Kim

## Publications

### PUBLICATIONS

- **A Phase 1 Study of Oral Vitamin D3 in Boys and Young Men With X-Linked Adrenoleukodystrophy.** *Neurology. Genetics*

Van Haren, K. P., Cunanan, K., Awani, A., Gu, M., Peña, D., Chromik, L. C., Považan, M., Rossi, N. C., Goodman, J., Sundaram, V., Winterbottom, J., Raymond, G. V., Cowan, et al

2023; 9 (2): e200061

- **Effect of vitamin D supplementation on cerebral blood flow in male patients with adrenoleukodystrophy.** *Journal of neuroscience research*

  Zhao, M. Y., Dahlen, A., Ramirez, N. J., Moseley, M., Van Haren, K., Zaharchuk, G.

  2023

- **Peripheral T-Cells, B-Cells, and Monocytes from Multiple Sclerosis Patients Supplemented with High-Dose Vitamin D Show Distinct Changes in Gene Expression Profiles.** *Nutrients*

  Kim, D., Witt, E. E., Schubert, S., Sotirchos, E., Bhargava, P., Mowry, E. M., Sachs, K., Bilen, B., Steinman, L., Awani, A., He, Z., Calabresi, P. A., Van Haren, et al

  2022; 14 (22)

- **Clinical approach to the diagnosis of autoimmune encephalitis in the pediatric patient.** *Neurology(R) neuroimmunology & neuroinflammation*

  Cellucci, T., Van Mater, H., Graus, F., Muscal, E., Gallentine, W., Klein-Gitelman, M. S., Benseler, S. M., Frankovich, J., Gorman, M. P., Van Haren, K., Dalmau, J., Dale, R. C.

  2020; 7 (2)

- **Subacute Neuropsychiatric Syndrome in Girls With SHANK3 Mutations Responds to Immunomodulation.** *Pediatrics*

  Bey, A. L., Gorman, M. P., Gallentine, W. n., Kohlenberg, T. M., Frankovich, J. n., Jiang, Y. H., Van Haren, K. n.

  2020; 145 (2)

- **Measuring early lesion growth in boys with cerebral demyelinating adrenoleukodystrophy** *NEUROLOGY*

  van Haren, K., Engelen, M., Wolf, N.

  2019; 92 (15): 691–93

- **Safety and immunologic effects of high- vs low-dose cholecalciferol in multiple sclerosis.** *Neurology*

  Sotirchos, E. S., Bhargava, P., Eckstein, C., Van Haren, K., Baynes, M., Ntranos, A., Gocke, A., Steinman, L., Mowry, E. M., Calabresi, P. A.

  2016; 86 (4): 382-390

- **Acute Flaccid Myelitis of Unknown Etiology in California, 2012-2015.** *JAMA*

  Van Haren, K., Ayscue, P., Waubant, E., Clayton, A., Sheriff, H., Yagi, S., Glenn-Finer, R., Padilla, T., Strober, J. B., Aldrovandi, G., Wadford, D. A., Chiu, C. Y., Xia, et al

  2016; 314 (24): 2663-71

- **Identification of Naturally Occurring Fatty Acids of the Myelin Sheath That Resolve Neuroinflammation** *SCIENCE TRANSLATIONAL MEDICINE*

  Ho, P. P., Kanter, J. L., Johnson, A. M., Srinagesh, H. K., Chang, E., Purdy, T. M., Van Haren, K., Wikoff, W. R., Kind, T., Khademi, M., Matloff, L. Y., Narayana, S., Hur, et al

  2012; 4 (137)

- **Consensus guidelines for the monitoring and management of metachromatic leukodystrophy in the United States.** *Cytotherapy*

  Adang, L. A., Bonkowsky, J. L., Boelens, J. J., Mallack, E., Ahrens-Nicklas, R., Bernat, J. A., Bley, A., Burton, B., Darling, A., Eichler, F., Eklund, E., Emrick, L., Escolar, et al

  2024

- **Longitudinal natural history studies based on real-world data in rare diseases: Opportunity and a novel approach.** *Molecular genetics and metabolism*

  Adang, L. A., Sevagamoorthy, A., Sherbini, O., Fraser, J. L., Bonkowsky, J. L., Gavazzi, F., D'Aiello, R., Modesti, N. B., Yu, E., Mutua, S., Kotes, E., Shults, J., Vincent, et al

  2024; 142 (1): 108453

- **A novel mouse model of cerebral adrenoleukodystrophy highlights NLRP3 activity in lesion pathogenesis.** *bioRxiv : the preprint server for biology*

  Hashemi, E., Narain Srivastava, I., Aguirre, A., Tilahan Yoseph, E., Kaushal, E., Awani, A., Kyu Ryu, J., Akassoglou, K., Talebian, S., Chu, P., Pisani, L., Musolino, P., Steinman, et al

  2023

- **Immunotherapy in Autoimmune Encephalitis: So Many Options, So Few Guidelines.** *Neurology*

  Srivastava, I., Van Haren, K.

  2023

- **Clinical Outcomes in Aicardi Goutieres Syndrome: A Natural History Study**

Modesti, N. B., Barcelos, I., Jan, A. K., Isaacs, D., Gavazzi, F., Sevagamoorthy, A., Woidill, S., D'Aiello, R., Muirhead, K., Schmidt, J., Pizzino, A., Van Haren, K., Keller, et al
WILEY.2023: S210

- **Brain Magnetic Resonance Imaging Abnormalities in Acute Flaccid Myelitis.** *Pediatric neurology*
  Caceres, J. A., Saucier, L., Murphy, O. C., Gordon-Lipkin, E. M., Santoro, J. D., Van Haren, K., Pardo, C. A., Hopkins, S.
  2023; 149: 56-62

- **Developmental delay can precede neurologic regression in metachromatic leukodystrophy**
  Adang, L. A., Groeschel, S., Grzyb, C., Eichler, F. S., Fraser, J. L., Emrick, L., Van Haren, K., Keller, S., Poe, M., Bernat, J., Bonkowsky, J. L., Bernard, G., Stutterd, et al
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2023: 3

- **Safety and efficacy of leriglitazone for preventing disease progression in men with adrenomyeloneuropathy (ADVANCE): a randomised, double-blind, multi-centre, placebo-controlled phase 2-3 trial** *LANCET NEUROLOGY*
  Koehler, W., Engelen, M., Eichler, F., Lachmann, R., Fatemi, A., Sampson, J., Salsano, E., Gamez, J., Molnar, M., Pascual, S., Rovira, M., Vila, A., Pina, et al
  2023; 22 (2): 127-136

- **Safety and efficacy of leriglitazone for preventing disease progression in men with adrenomyeloneuropathy (ADVANCE): a randomised, double-blind, multi-centre, placebo-controlled phase 2-3 trial.** *The Lancet. Neurology*
  Kohler, W., Engelen, M., Eichler, F., Lachmann, R., Fatemi, A., Sampson, J., Salsano, E., Gamez, J., Molnar, M. J., Pascual, S., Rovira, M., Vila, A., Pina, et al
  2023; 22 (2): 127-136

- **Vitamin D status and latitude predict brain lesions in adrenoleukodystrophy** *Annals of the Child Neurology Society*
  Van Haren, K. P., Wilkes, J., Moser, A. B., Raymond, G. V., Richardson, T., Aubourg, P., Collins, T. W., Mowry, E. M., Bonkowsky, J. L.
  2023; 1 (2): 155-61

- **Pulmonological issues.** *Current problems in pediatric and adolescent health care*
  Perez, G., Young, L., Kravitz, R., Sheehan, D., Adang, L., Van Haren, K., Lin, J. L., Jaffe, N. N., Kuo, D., Ball, L., Keller, J., Sank, J., DiVito, et al
  2022: 101313

- **A Novel Mouse Model of Cerebral Demyelination in X-Linked Adrenoleukodystrophy Highlights NLRP3 Activation in Lesion Pathogenesis**
  Srivastava, I., Van Haren, K., Hashemi, E., Kaushal, E., Han, M., Lund, T., Bonkowsky, J., Yoseph, E.
  WILEY.2022: S174

- **A retrospective investigation of MOG-IgG titers in relapse and disability prediction in adult and pediatric myelin oligodendrocyte glycoprotein antibody-associated disease patients**
  McDonald, J., Santoro, J. D., Sattarnezhad, N., Tomczak, A., Sumera, J., Van Haren, K., Corwin, N., Kipp, L., Lock, C., Dunn, J., Hinman, J., Nelson, L., Han, et al
  SAGE PUBLICATIONS LTD.2022: 427-428

- **Developmental Delay Can Precede Neurologic Regression in Metachromatic Leukodystrophy**
  Adang, L. A., Groeschel, S., Grzyb, C., D'Aiello, R., Sherbini, O., Bronner, N., Patel, A., Vincent, A., Jin, D., Eichler, F., Fraser, J. L., Emrick, L., Van Haren, et al
  WILEY.2022: S164

- **International Recommendations for the Diagnosis and Management of Patients With Adrenoleukodystrophy: A Consensus-Based Approach.** *Neurology*
  Engelen, M., van Ballegoij, W. J., Mallack, E. J., Van Haren, K. P., Köhler, W., Salsano, E., van Trotsenburg, A. S., Mochel, F., Sevin, C., Regelman, M. O., Tritos, N. A., Halper, A., Lachmann, et al
  2022

- **Presymptomatic Lesion in Childhood Cerebral Adrenoleukodystrophy: Timing and Treatment.** *Neurology*
  Mallack, E. J., Van Haren, K. P., Torrey, A., van de Stadt, S., Engelen, M., Raymond, G. V., Fatemi, A., Eichler, F. S.
  2022

- **Nocturnal hypoventilation as a respiratory complication of acute flaccid myelitis.** *The Journal of pediatrics*
  Aziz-Bose, R., Bhargava, S., Buu, M., Bove, R., van Haren, K.
  2022

- **Inadequate Vaccine Responses in Children with Multiple Sclerosis**
  Santoro, J. D., Saucier, L. E., Tanna, R., Pagarkar, D., Tempchin, A. G., Khoshnood, M., Ahsan, N., Van Haren, K.
  SAGE PUBLICATIONS LTD.2022: 204-205

- **Biochemical Studies in Fibroblasts to Interpret Variants of Unknown Significance in the ABCD1 Gene.** *Genes*
  van de Stadt, S. I., Mooyer, P. A., Dijkstra, I. M., Dekker, C. J., Vats, D., Vera, M., Ruzhnikov, M. R., van Haren, K., Tang, N., Koop, K., Willemsen, M. A., Hui, J., Vaz, et al
  1800; 12 (12)

- **A variant of uncertain significance in SDHAF1, the succinate dehydrogenase chaperone protein, in an adult patient with spastic paraparesis and leukoencephalopathy.** *Multiple sclerosis and related disorders*
  Vlahovic, L., Lock, C. B., Han, M. H., Van Haren, K., Sampson, J. B.
  2021; 54: 103132

- **Gastrostomy Tubes Placed in Children With Neurologic Impairment: Associated Morbidity and Mortality.** *Journal of child neurology*
  Lin, J. L., Rigdon, J. n., Van Haren, K. n., Buu, M. n., Saynina, O. n., Bhattacharya, J. n., Owens, D. K., Sanders, L. M.
  2021: 8830738211000179

- **Inadequate Vaccine Responses in Children With Multiple Sclerosis.** *Frontiers in pediatrics*
  Santoro, J. D., Saucier, L. E., Tanna, R., Wiegand, S. E., Pagarkar, D., Tempchin, A. F., Khoshnood, M., Ahsan, N., Van Haren, K.
  2021; 9: 790159

- **Acute flaccid myelitis: cause, diagnosis, and management.** *Lancet (London, England)*
  Murphy, O. C., Messacar, K., Benson, L., Bove, R., Carpenter, J. L., Crawford, T., Dean, J., DeBiasi, R., Desai, J., Elrick, M. J., Farias-Moeller, R., Gombolay, G. Y., Greenberg, et al
  2020

- **The NLRP3 Inflammasome as a Link Between Metabolic Failure and Cerebral Demyelination in X-linked Adrenoleukodystrophy**
  Aguirre, A., Cayrol, R., Srivastava, I., Vogel, H., Van Haren, K.
  OXFORD UNIV PRESS INC.2020: 675

- **Natural history of brain lesions in X-linked adrenoleukodystrophy: On-again, off-again.** *Neurology*
  Thompson Stone, R., van Haren, K.
  2020

- **Genetic and phenotypic spectrum associated with IFIH1 gain-of-function.** *Human mutation*
  Rice, G. I., Park, S. n., Gavazzi, F. n., Adang, L. A., Ayuk, L. A., Van Eyck, L. n., Seabra, L. n., Barrea, C. n., Battini, R. n., Belot, A. n., Berg, S. n., Billette de Villemeur, T. n., Bley, et al
  2020

- **Randomized Clinical Trial of First-Line Genome Sequencing in Pediatric White Matter Disorders.** *Annals of neurology*
  Vanderver, A. n., Bernard, G. n., Helman, G. n., Sherbini, O. n., Boeck, R. n., Cohn, J. n., Collins, A. n., Demarest, S. n., Dobbins, K. n., Emrick, L. n., Fraser, J. n., Masser-Frye, D. n., Hayward, et al
  2020

- **MRI Surveillance of Boys with X-linked Adrenoleukodystrophy Identified by Newborn Screening: Meta-analysis and Consensus Guidelines.** *Journal of inherited metabolic disease*
  Mallack, E. J., Turk, B. R., Yan, H. n., Price, C. n., Mlis, M. D., Moser, A. B., Becker, C. n., Hollandsworth, K. n., Adang, L. n., Vanderver, A. n., Van Haren, K. n., Ruzhnikov, M. n., Kurtzberg, et al
  2020

- **Five men with arresting and relapsing cerebral adrenoleukodystrophy.** *Journal of neurology*
  Carlson, A. M., Huffnagel, I. C., Verrips, A. n., van der Knaap, M. S., Engelen, M. n., Van Haren, K. n.
  2020

- **Incidence, Risk Factors and Outcomes Among Children With Acute Flaccid Myelitis: A Population-based Cohort Study in a California Health Network Between 2011 and 2016** *PEDIATRIC INFECTIOUS DISEASE JOURNAL*
  Kane, M. S., Sonne, C., Zhu, S., Malhotra, A., Van Haren, K., Messacar, K., Glaser, C. A.
  2019; 38 (7): 667–72

- **Safety, tolerability, and efficacy of fluoxetine as an antiviral for acute flaccid myelitis** *NEUROLOGY*
  Messacar, K., Sillau, S., Hopkins, S. E., Otten, C., Wilson-Murphy, M., Wong, B., Santoro, J. D., Treister, A., Bains, H. K., Torres, A., Zabrocki, L., Glanternik, J. R., Hurst, et al
  2019; 92 (18): E2118–E2126

- **Incidence, Risk Factors and Outcomes Among Children With Acute Flaccid Myelitis: A Population-based Cohort Study in a California Health Network Between 2011 and 2016.** *The Pediatric infectious disease journal*
  Kane, M. S., Sonne, C., Zhu, S., Malhotra, A., Van Haren, K., Messacar, K., Glaser, C. A.
  2019

- **Consensus Guidelines: MRI surveillance of Children with Presymptomatic Adrenoleukodystrophy**
  Turk, B., Mallack, E., Adang, L., Becker, C., Eichler, F., Van Haren, K., Hollandsworth, K., Kurtzberg, J., Kwon, J., Lund, T., Maegawa, G., Moser, A., Orchard, et al
  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Measuring early lesion growth in boys with cerebral demyelinating adrenoleukodystrophy.** *Neurology*
  van Haren, K., Engelen, M., Wolf, N.
  2019

- **Clinical Subpopulations in a Sample of North American Children Diagnosed With Acute Flaccid Myelitis, 2012-2016** *JAMA PEDIATRICS*
  Elrick, M. J., Gordon-Lipkin, E., Crawford, T. O., Van Haren, K., Messacar, K., Thornton, N., Dee, E., Voskertchian, A., Nance, J. R., Munoz, L. S., Gorman, M. P., Benson, L. A., Thomas, et al
  2019; 173 (2): 134–39

- **Allogeneic HSCT for adult-onset leukoencephalopathy with spheroids and pigmented glia.** *Brain : a journal of neurology*
  Gelfand, J. M., Greenfield, A. L., Barkovich, M. n., Mendelsohn, B. A., Van Haren, K. n., Hess, C. P., Mannis, G. N.
  2019

- **Pneumonia Prevention Strategies for Children With Neurologic Impairment.** *Pediatrics*
  Lin, J. L., Van Haren, K. n., Rigdon, J. n., Saynina, O. n., Song, H. n., Buu, M. C., Thakur, Y. n., Srinivas, N. n., Asch, S. M., Sanders, L. M.
  2019

- **Clinical Subpopulations in a Sample of North American Children Diagnosed With Acute Flaccid Myelitis, 2012-2016.** *JAMA pediatrics*
  Elrick, M. J., Gordon-Lipkin, E., Crawford, T. O., Van Haren, K., Messacar, K., Thornton, N., Dee, E., Voskertchian, A., Nance, J. R., Munoz, L. S., Gorman, M. P., Benson, L. A., Thomas, et al
  2018

- **Safety, tolerability, and efficacy of fluoxetine as an antiviral for acute flaccid myelitis.** *Neurology*
  Messacar, K., Sillau, S., Hopkins, S. E., Otten, C., Wilson-Murphy, M., Wong, B., Santoro, J. D., Treister, A., Bains, H. K., Torres, A., Zabrocki, L., Glanternik, J. R., Hurst, et al
  2018

- **Natural History of Vanishing White Matter** *ANNALS OF NEUROLOGY*
  Hamilton, E. C., van der Lei, H. W., Vermeulen, G., Gerver, J. M., Lourenco, C. M., Naidu, S., Mierzewska, H., Gemke, R. J., de Vet, H. W., Uitdehaag, B. J., Lissenberg-Witte, B. I., van der Knaap, M. S., VWM Res Grp
  2018; 84 (2): 274-288

- **MRI Brain Abnormalities in Acute Flaccid Myelitis: Characteristics and Differentiation from Acute Disseminated Encephalomyelitis**
  Hopkins, S., Gordon-Lipkin, E., Van Haren, K., Santoro, J., Munoz-Arcos, L., Matesanz, S., Pardo-Villamizar, C., Banwell, B.
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **Pediatric Bickerstaff brainstem encephalitis: a systematic review of literature and case series** *JOURNAL OF NEUROLOGY*
  Santoro, J., Lazzareschi, D. V., Campen, C., Van Haren, K. P.
  2018; 265 (1): 141–50

- **Neonatal detection of Aicardi Goutieres Syndrome by increased C26:0 lysophosphatidylcholine and interferon signature on newborn screening blood spots** *MOLECULAR GENETICS AND METABOLISM*
  Armangue, T., Orsini, J. J., Takanohashi, A., Gavazzi, F., Conant, A., Ulrick, N., Morrissey, M. A., Nahhas, N., Helman, G., Gordish-Dressman, H., Orcesi, S., Tonduti, D., Stutterd, et al
  2017; 122 (3): 134–39

- **Neonatal detection of Aicardi Goutières Syndrome by increased C26:0 lysophosphatidylcholine and interferon signature on newborn screening blood spots.** *Molecular genetics and metabolism*
  Armangue, T., Orsini, J. J., Takanohashi, A., Gavazzi, F., Conant, A., Ulrick, N., Morrissey, M. A., Nahhas, N., Helman, G., Gordish-Dressman, H., Orcesi, S., Tonduti, D., Stutterd, et al
  2017; 122 (3): 134-139

- **26:0 Lysophophatidylcholine Elevations in Newborn Screening Spots in Aicardi Goutieres Syndrome**
  Armangue, T., Orsini, J., Gavazzi, F., Conant, A., Ulrick, N., Morrissey, M., Nahhas, N., Helman, G., Gordish-Dressman, H., Orcesi, S., Tonduti, D., Stutterd, C., van Haren, et al
  WILEY.2017: S302

- **Postmortem Whole Exome Sequencing Identifies Novel EIF2B3 Mutation With Prenatal Phenotype in 2 Siblings** *JOURNAL OF CHILD NEUROLOGY*
  Song, H., Haeri, S., Vogel, H., van der Knaap, M., Van Haren, K.
  2017; 32 (10): 867–70

- **Revised consensus statement on the preventive and symptomatic care of patients with leukodystrophies** *MOLECULAR GENETICS AND METABOLISM*
  Adang, L. A., Sherbini, O., Ball, L., Bloom, M., Darbari, A., Amartino, H., DiVito, D., Eichler, F., Escolar, M., Evans, S. H., Fatemi, A., Fraser, J., Hollowell, et al
  2017; 122 (1-2): 18–32

- **Decision Making in Adrenoleukodystrophy: When Is a Good Outcome Really a Good Outcome?** *JAMA neurology*
  Van Haren, K., Engelen, M.
  2017

- **Arresting and Relapsing Cerebral Adrenoleukodystrophy, A Treatable Mimic of Multiple Sclerosis**
  Carlson, A. M., Huffnagel, I. C., Engelen, M., Van Haren, K.
  SAGE PUBLICATIONS LTD.2017: 27

- **The Effect of Vitamin D on Markers of Oxidative Stress in X-linked Adrenoleukodystrophy**
  Van Haren, K., Waubant, E., Enns, G., Mowry, E., Raymond, G., Aubourg, P., Steinman, L.
  WILEY-BLACKWELL.2016: S244

- **Acute flaccid myelitis: A clinical review of US cases 2012-2015.** *Annals of neurology*
  Messacar, K., Schreiner, T. L., Van Haren, K., Yang, M., Glaser, C. A., Tyler, K. L., Dominguez, S. R.
  2016; 80 (3): 326-338

- **Acute disseminated encephalomyelitis: Updates on an inflammatory CNS syndrome.** *Neurology*
  Pohl, D., Alper, G., Van Haren, K., Kornberg, A. J., Lucchinetti, C. F., Tenembaum, S., Belman, A. L.
  2016; 87 (9): S38-45

- **Magnetic Resonance Imaging Spectrum of Succinate Dehydrogenase-Related Infantile Leukoencephalopathy** *ANNALS OF NEUROLOGY*
  Helman, G., Caldovic, L., Whitehead, M. T., Simons, C., Brockmann, K., Edvardson, S., Bai, R., Moroni, I., Taylor, J. M., Van Haren, K., Taft, R. J., Vanderver, A., van der Knaap, et al
  2016; 79 (3): 379-386

- **Acute Flaccid Myelitis of Unknown Etiology in California, 2012-2015** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Van Haren, K., Ayscue, P., Waubant, E., Clayton, A., Sheriff, H., Yagi, S., Glenn-Finer, R., Padilla, T., Strober, J. B., Aldrovandi, G., Wadford, D. A., Chiu, C. Y., Xia, et al
  2015; 314 (24): 2663-2671

- **Statewide Prospective Surveillance of Acute Flaccid Myelitis in California, 2012-2014**
  Van Haren, K., Ayscue, P. R., Clayton, A., Sheriff, H., Yagi, S., Wadford, D., Harriman, K., Watt, J., Glaser, C.
  WILEY-BLACKWELL.2015: S157

- **Emerging Treatments for Pediatric Leukodystrophies** *PEDIATRIC CLINICS OF NORTH AMERICA*
  Helman, G., Van Haren, K., Escolar, M. L., Vanderver, A.
  2015; 62 (3): 649-?

- **A novel outbreak enterovirus D68 strain associated with acute flaccid myelitis cases in the USA (2012-14): a retrospective cohort study** *LANCET INFECTIOUS DISEASES*
  Greninger, A. L., Naccache, S. N., Messacar, K., Clayton, A., Yu, G., Somasekar, S., Federman, S., Stryke, D., Anderson, C., Yagi, S., Messenger, S., Wadford, D., Xia, et al
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