

PANS and Related Inflammatory Brain Disorders – Advances in Immunopsychiatry

On-Demand CME



PANS and Related Inflammatory Brain Disorders – Advances in Immunopsychiatry: On-Demand CME

Hosted by Neuroimmune Foundation and accredited
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PANS and Related Inflammatory Brain Disorders: Advances in Immunopsychiatry features nationally and internationally renowned experts skilled in diagnostic and therapeutic approaches who will present a diverse range of emerging clinical and research challenges, insights, and advances in the field of inflammatory brain disorders.

The intended audience is pediatric and adult physicians. Both generalists as well as specialists will find this on-demand CME content valuable to their practices. The content is designed for pediatricians, family physicians, psychiatrists, rheumatologists, immunologists, neurologists, and infectious disease physicians. Though the content is designed for physicians, physician assistants and nurse practitioners will find the series valuable to their practices as well.

Learning and Outcome Objectives

- Learn how to accurately diagnose and effectively treat inflammatory brain conditions including PANS.
- Recognize that neuropsychiatric sequelae can result from infections, autoimmune, and inflammatory conditions.
- List several immune and inflammatory markers that can be present in patients with inflammatory brain disorders.
- Report the cognitive and psychiatric effects that can occur post-infection.
- Describe appropriate treatments for patients with inflammatory brain disorders.

Please find the complete CME details at: neuroimmune.org/on-demand-cme

**\$200 per credit hour for
North Carolina physicians
who complete all 20 credits
by April 1, 2025!**

Please note: there are limited
spaces for compensated CME!

You must email
anna@neuroimmunenc.org
to verify space remains and
complete a contract in order to
receive payment.

Passing the post-test is also
required though unlimited
attempts are allowed.



On-Demand CME

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Speakers and Videos

as of Sept. 6, 2024



Jennifer Frankovich, MD

Clinical Professor, Dept. of Pediatrics, Division of Immunology & Rheumatology, Stanford University School of Medicine

Rheumatology & Psychiatry – What We Can Learn From Overlapping Conditions



Elizabeth Mellins, MD

Professor of Pediatrics, Pediatric Rheumatologist and Molecular Immunologist, Stanford University School of Medicine

Monocyte Research in PANS



Jennifer Frankovich, MD

Clinical Professor, Dept. of Pediatrics, Division of Immunology & Rheumatology



Elizabeth Mellins, MD

Professor of Pediatrics, Pediatric Rheumatologist and Molecular Immunologist, Stanford University School of Medicine

Stanford Research Update – Evidence for PANS as an Inflammatory Brain Disorder



Shreyas Vasanawala, MD, PhD

Chief of Pediatric Radiology, Associate Chair of Radiology, Stanford University School of Medicine



Meiqian Ma, MD

Clinical Assistant Professor, Pediatrics / Rheumatology, Stanford University School of Medicine

Arthritis, Enthesitis, and Development of Autoimmune/Inflammatory Disease in Patients with PANS



Juliette C. Madan, MD, MS

Associate Prof. of Pediatrics, Psychiatry, Epidemiology & Quantitative Biomedical Data Sciences, Geisel School of Medicine



Pawel R. Kiela, DVM, PhD

Prof. of Pediatrics and Immunobiology, PANDA Endowed Professor in Autoimmune Disease Research, University of Arizona

The Emerging Role of the Gut Microbiome in the Gut-Brain Axis and Neuroinflammation in PANS/PANDAS



Brian A. Fallon, MD, MPH

Director of the Center for Neuroinflammatory and Somatic Disorders, Director of the Lyme and Tick-Borne Diseases Research Center, Columbia University

Neuropsychiatric Lyme Disease: Symptoms, the Immune Response, and the Vagus Nerve



Terence Sanger, MD, PhD

Vice President, Chief Scientific Officer, CHOC Children's Hospital; Child Neurology and Movement Disorders, CHOC Children's Hospital, UC-Irvine

Movement Disorders in Pediatric Inflammatory Brain Disease



Josep Dalmau, MD, PhD, FAAN

Research Professor ICREA-IDIBAPS, Service of Neurology, Hospital Clinic, University of Barcelona; Adjunct Professor Neurology, University of Pennsylvania

The Antibody-Mediated Encephalitis From Discovery to New Clinical Insights and Mechanisms



Avindra Nath, MD

Chief of Section of Infections of the Nervous System, Clinical Director, NINDS, NIH*
*Dr. Nath is presenting in his personal capacity. The views expressed are his own and do not necessarily represent the views of the National Institutes of Health or the United States Government.

Pathophysiology of Neuropsychiatric Syndromes Post-COVID



Mark Pasternack, MD

Chief of Pediatric Infectious Disease, Massachusetts General Hospital Associate Professor of Pediatrics, Massachusetts General Hospital, Harvard

Use of Antibiotics in Infection Associated Neuropsychiatric Syndromes Including PANS



Sudarshini Ramanathan, BSc (Med), MBBS (Hons), FRACP, PhD

Head, Translational Neuroimmunology Group; Associate Professor, Sydney Medical School; Faculty of Medicine and Health, University of Sydney

Immunotherapy in Autoimmune Encephalitis



Michael Eriksen Benros, MD, PhD

Professor of Immunopsychiatry, Department of Immunology and Microbiology, Health and Medical Sciences, University of Copenhagen

Immunopsychiatry – Evidence From Large-Scale Studies to Detailed Clinical CSF Studies



Theresa Willett, MD, PhD

Clinical Assistant Professor, Pediatrics – Immunology, Allergy Medical Director, Children's Immune Behavioral Health Clinic, Stanford University School of Medicine

Clues from the Clinical Exam



Theresa Willett, MD, PhD

Clinical Assistant Professor, Pediatrics – Immunology, Allergy Medical Director, Children's Immune Behavioral Health Clinic, Stanford University School of Medicine

PANS/PANDAS for the Busy Primary Care Provider



Christopher Pittenger, MD, PhD

Professor of Psychiatry; Deputy Chair for Translational Research, Psychiatry; Director, OCD Research Clinic, Yale

Antibodies in Children with PANDAS Bind to and Inhibit Specific Interneurons in the Basal Ganglia



Janet Cunningham, MD, PhD

Associate Professor in the Department of Neuroscience; Associate Professor in Experimental Psychiatry, Psychiatrist, Uppsala University, Sweden

Clinical and Biological Heterogeneity in an Adult Patient Cohort with Psychiatric Symptoms Enriched for Suspected Immunological Involvement



Sarosh Irani, FRCP, DPhil, FEAN

Professor of Autoimmune Neurology, University of Oxford, Head of Autoimmune Neurology Group at University of Oxford

The Immune Underlying Autoantibody Associated CNS Diseases



Wei Zhao, MD, PhD

Professor and Chief, Division of Allergy and Immunology, Virginia Commonwealth University

Plasmapheresis in Treatment of PANS



Jill Hollenbach, PhD, MPH

Associate Professor, Department of Neurology, University of California, San Francisco

Immunogenetic Variation in PANS and Neuroinflammatory Disease

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Overview of the JCAP Clinical Management and Treatment Guidelines – Panel Presentation and Discussion



Jennifer Frankovich, MD

Clinical Professor, Dept. of Pediatrics, Division of Immunology & Rheumatology, Stanford University School of Medicine



Chris Ikonomidou, MD, PhD

Chief, Pediatric Neurology Section, American Family Children's Hospital Faculty, UW School of Medicine and Public Health



Mark Pasternack, MD

Chief of Infectious Disease, Associate Professor of Pediatrics, Massachusetts General Hospital, Harvard



Gail Bernstein, MD

Professor, Dept. of Psychiatry and Behavioral Sciences, University of Minnesota Medical School



Cynthia Kappahn, MD

Clinical Professor, Division of Adolescent Medicine, Stanford University School of Medicine



Kiki Chang, MD

Adjunct Prof. of Psychiatry, Dept. of Psychiatry and Behavioral Sciences, McGovern Medical School, UTHealth Houston