

Advanced Applications in Medical Practice

17.5 AMA Category-1 CME Hours

Scottsdale, Arizona: June 1-2-3, 2018

Theme: The Brain - Advanced Approaches in Integrative Neurobiology

Friday: BRAIN TRAUMA AND MEMORY SYNDROMES – Latest Clinical Strategies

7:15 - 8:15 AM **BREAKFAST** - Organic, vegetarian and gluten free options

8:15 – 8:30 AM Jeremy Phillips Introductory comments and Opening

Morning Session: What is the latest science and how can this improve practice?

8:30 – 9:00 AM Dr. Anderson: TBI, mild TBI and CTE – Who and How?

In this scene setting talk Dr. Anderson will briefly relay the mechanisms, characteristics and patient types associated with these common brain trauma syndromes.

9:00 – 9:30 AM Dr. Harch: The Injured Brain, Genomics and Oxygen - Understanding Hyperbaric Oxygen Therapy after 354 years: Oxygen, Pressure, and Gene Therapy.

9:30 – 10:30 AM Dr. Harch: The latest in chronic mild TBI/HBOT studies.

A summary of the latest related studies including a forthcoming Department of Defense publication. Updates regarding appropriate dosing and other clinical factors.

10:30 – 11:00 AM **Morning Break**

11:00 AM – 12:00 PM Dr. Harch: HBOT in CTE: Review of the literature and presentation of cases.

In this session Dr. Harch will present cases from his clinical practice as well as published peer-reviewed cases from the literature and discuss the clinical implications of each.

12:00 – 12:30 PM Dr. Anderson: Clinical wrap-up merging the science with genomic and supportive clinical modalities.

In this brief session Dr. Anderson will summarize the morning sessions importance for treating the injured brain and set up the afternoon discussion regarding the synergy of multiple modalities in brain healing.

12:30 – 1:00 PM Clinical Presentation (Non-CME)

1:00 - 2:15 PM **LUNCH** - Organic, vegetarian and gluten free options

Afternoon Session: Synergy and clinical take home points in brain injured patients

2:15 – 4:00 PM Dr. Anderson: Clinical Practice Synergy in Brain Injury Syndromes

In this session Dr. Anderson will continue building on the morning's information and share clinical protocols he has used providing synergy for oxygen and genomic therapies, restoring oxidative-reductive balance, healing damaged blood-brain barriers and more.

4:00 – 4:30 PM **Afternoon Break**

4:30 – 5:15 PM Dr. Annibali: Neuropsychiatric considerations in traumatic brain injury

In this session Dr. Annibali will discuss the main clinical neuropsychiatric considerations in patients with TBI or related injuries. Warning signs, referral points and primary neuropsychiatric considerations in clinical care. (This will also be continued in Dr. Annibali’s contributions later in the conference).

5:15 – 5:45 PM All Faculty Panel: Brain Trauma and Healing – What is the state of the art in clinical practice.

In this forum the three faculty will give final comments on the topics from the day and offer opportunity for attendee questions and expert discussion.

Saturday: PAN SYNDROME (PANDAS) – Adult and Child CNS Infectious/Autoimmune Syndromes

8:00 - 9:00 AM **BREAKFAST** - Organic, vegetarian and gluten free options

Morning Session: Latest clinical data and just how complex can this syndrome be?

9:00 – 9:30 AM Dr. Anderson: PANS - Latest Diagnostic Criteria, Assessment and Workup

In this session Dr. Anderson will update the latest patient assessment criteria as well as elaborate on atypical and “non-Strep” considerations in PAN or “PAN like” patients.

9:30 - 10:30 AM Dr. Anderson: Therapeutics in PAN and PAN-like patients, young and old.

Over the years Dr. Anderson has developed a step wise therapeutic order for patients in this syndrome to minimize the amount of therapy required but also to “catch” the recalcitrant cases and not allow them to fall through the cracks.

10:30 – 11:00 AM **Morning Break**

11:00 – 12:30 PM Dr. Anderson: When it’s more than PANS - Adults, co-infections, other triggers and more.

In this session Dr. Anderson will use the latest data and case examples to illustrate assessment and treatment of the more complex cases. When to consider other infections, how to sequence therapies and much more will be discussed.

12:30 – 1:00 Clinical Presentation (Non-CME)

1:00 – 2:15 PM **LUNCH** - Organic, vegetarian and gluten free options

Afternoon Session: When it’s more than PANS or “PAN-like” What do I think and how do I proceed?

2:15 – 2:45 PM Dr. Harch: Clinical presentation of a PANS-like case

2:45 – 4:00 PM Dr. Annibali: Other causes of encephalopathy and clinical pathways to consider

In this session Dr. Annibali will discuss non-Strep encephalopathy assessment and treatment in the area of encephalopathy related to tick-borne infections. Specifically treating the neuropsychiatric aspects.

4:00 – 4:30 PM	Afternoon Break
4:30 – 5:00 PM	Dr. Anderson: Clinical Practice Summary – Tying the day together
5:00 – 5:30	Clinical Presentation (Non-CME)
5:30 – 6:00 PM	All Faculty Panel: PANS, PAN-like and related syndromes – Making it work in the clinic.

In this forum the three faculty will give final comments on the topics from the day and offer opportunity for attendee questions and expert discussion.

Sunday: ATTENTION, MEMORY AND FOCUS – Strategies for Adults and Children Alike

8:00 – 9:00 AM	BREAKFAST - Organic, vegetarian and gluten free options
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Morning Session: Metabolomics and Neurological Inflammation – From Bench to Bedside

9:00 – 10:30 AM	Dr. Annibali: An integrated approach to memory deficits
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A discussion of integrated therapies for memory issues. Dr. Annibali will relate extensive clinical experiences in the treatment of memory impairment/early dementia/Alzheimer's using multiple interventions to optimize brain and body function.

10:30 – 11:00 AM	Morning Break
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11:00 – 12:00 PM	Dr. Nick: Glutathione, Detoxification and Neuroinflammation
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12:00 – 12:30 PM	Clinical Presentation (Non-CME)
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12:30 – 1:30 PM	LUNCH – Organic, vegetarian and gluten free options
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1:30 – 2:30 PM	Dr. Nick: Brain Nutrients and New Medical Technologies for Optimizing Brain Function
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The effects of nutrition and various forms of transcranial electrical stimulation (TES) on cognitive processes has long been studied. There are newly described influences of key brain nutrients and TES technologies on cognitive function that reveal important mechanisms of action that provide neuronal protection and improve brain metabolism and mental health.

Afternoon Session: Synthesis – Something to take back to your clinical practice

2:30 – 3:45 PM	Dr. Anderson: Tying it all together
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What is the best way to take the information garnered from the three days and implement it in your patient population next week?

3:45 – 4:15 PM	All Faculty Panel: Best practices for your patient's brain health and cognition
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In this forum the three faculty will give final comments on the topics from the day and offer opportunity for attendee questions and expert discussion.

4:15 PM

Adjourn