



Global Neuro

Event Program

First Live Annual Summit on Neurosonography

Including Practical Exercises

Provided by: GLOBAL NEURO FOUNDATION

December 2 – 3, 2022, New York City, USA



Content

- 3 Welcome
- 4 Course description
 - Target participants
 - Goal of the course
 - Learning Objectives
- 5 Chairpersons
 - Faculty
 - Special guest
- 6 Course Opening reception
 - Friday, December 2, 2022
 - Event venue
- 7 Saturday, December 3, 2022
- 9 Course venue
- 9 Event organization
- 10 Event information
- 11 Global Neuro Foundation
 - Principles of Educational Events
- 12 Sponsors
- 13 Notes

Global Neuro welcomes you

On January 1, 2018, AONeuro became Global Neuro for the purpose of broadening our geographical reach and for the opportunity to work with multiple partners. Our new foundation is incorporated in Switzerland, and is ready to serve you to improve the educational and practical experiences in patient care and outcomes.

We offer educational events across the world, with rigorously prepared and evaluated curricula, in multiple cultural and educational formats. Global Neuro's educational offerings include lecture presentations, interactive case discussions, small group discussions, practical exercises, simulation exercises, and online education. Global Neuro strives to increasingly collaborate with regional, national, and international societies and organizations to deliver symposia and courses at congresses and annual meetings. These partnerships enable us to provide the best formats possible.

While our initial educational efforts began with neurosurgeons, we are increasingly collaborating with neurologists, neurointensivists, neuroanesthesiologists, neuroradiologists, and other neuro professionals to provide comprehensive education and program development opportunities. Medicine, neurological care, and recovery are too complex to depend upon a single discipline. As such, collaboration is required to be able to make the greatest impact in our patients progress and outcomes.

We hope this program meets your expectations, as it is based on continuous development, study, evaluation, and discussion. Please let us know if you have ideas or suggestions for how we can enhance your learning and educational experience.

Please join our network of professionals as we work together to improve the results in neuro care and rehabilitation for all our patients.

Warm regards,

Paul N Manson
Chairman Global Neuro Foundation



Course description

This live event covers the initiation of intracranial sonography, its strategies, and considerations for multiple entities among neurosurgical patients. It is based on ultrasonography fundamentals from different disciplines, as well as early experience in the neurosurgical field.

The content is delivered using multiple methods, including aviation-inspired methodologies, undraped self-learning, and personal after-action revisions. Basic comprehensive lectures concentrate on the understanding of the essence of ultrasound and the implications of intracranial ultrasound in various neurosurgery subspecialties. Interactive case presentations further deepen this knowledge and enrich the discussion on this new intracranial imaging modality.

Practical sessions teach the application of Global Neuro principles to the management of the different neurosurgical pathologies. Group discussions link the lecture material and practical skills with the clinical problems encountered in clinical practice

Target participants

The event has been developed for:

- Neurosurgeons interested in innovative concepts
- Physicians interested in neurosurgical oncology / hydrocephalus / cerebrovascular pathologies.
- Neuroradiologists
- Critical care physicians
- Emergency room physicians

Goal of the course

The Summit on Neurosonography covers the theoretical basis and practical principles for innovative intracranial sonography in assessments and follow ups of brain pathologies, allowing the establishment of this new intracranial imaging modality.

Learning objectives

Upon completion of this course, participants will be better able to:

- Recognize the current capabilities of intracranial neurosonography.
- Select the best ultrasound protocols for different intracranial pathologies.
- Utilize neurosonography in multiple neurological fields, enhancing neurological diagnosis and monitoring.
- Personally diagnose and monitor relevant neurological conditions through the practical experience provided in the course.
- Apply combat aviation-inspired learning, performance, and assessment methodologies to their clinical practices to facilitate a competent neurosonography practice.

Chairpersons



David Langer
Lenox Hill Hospital
New York, United States



Erez Nossek
NYU
New York, United States



Netanel Ben-Shalom
Lenox Hill Hospital
New York, United States

Faculty

Mark Luciano	Johns Hopkins Medicine	Baltimore, United States
Jorge Otero	Yale School of Medicine	New Haven, United States
Zsolt Garami	Houston Methodist Hospital	Houston, United States
Charles Liu	Keck Medicine of USC	La Canada, United States
Eran Bornstein	Northwell Health	New York, United States
Christopher Kellner	Mount Sinai	New York, United States
Andres Rubiano	University El Bosque	Bogota, Colombia
Ryan Lee	Johns Hopkins University	Baltimore, United States

Special guest

Rani Elinav	Alpha CHECK	Tel Aviv, Israel
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Course Opening Reception (non-accredited activity) Friday, December 2, 2022

TIME	AGENDA ITEM	FACULTY
19:30 – 19:35	Welcome remarks	D. Langer
19:35 – 19:40	Global Neuro introduction	A. Rubiano
19:40 – 20:00	The Space Race	R. Elinav
20:00 – 20:20	Invisible forces: how they shape a career	D. Langer
20:20 – 20:35	Testimonial	J. L. Hager
20:35 – 21:30	Dinner	All
21:30	End of opening reception	All

Event venue



Orsay restaurant

1057 Lexington Ave, New York, NY 10021

Phone: (212) 517-6400

Summit Agenda

Saturday, December 3, 2022

TIME	AGENDA ITEM	FACULTY
07:00 – 08:00	Registration/ Continental Breakfast	All
	Introduction	
08:00 – 08:30	Welcome remarks and course goals, Introduction to the topic and Global Neuro	D. Langer E. Nossek N. Ben-Shalom A. Rubiano
Module 1	History & Standard of Care (ultrasound) in Different Disciplines	Moderator: E. Nossek / A. Rubiano
08:30 – 08:50	Evolution of Emergency Ultrasound and Basic Principles	J. Otero
08:50 – 09:30	Dedicated Prenatal Neurosonography: The OB/GYN Experience	E. Bornstein
09:30 – 09:50	Point of Care Ultrasound (POCUS) on the Emergency Room	J. Otero
09:50 – 10:00	Q&A session	E. Nossek / A. Rubiano
10:00 – 10:20	COFFEE BREAK	All
Module 2	Ultrasound in Neurosurgery	Moderator: D. Langer
10:20 – 10:40	Introduction: Past, Present, and Future of Ultrasound in Neurosurgery	A. Rubiano
10:40 – 11:00	Transcranial Ultrasound Applications in Hydrocephalus & Chiari Malformation	M. Luciano
11:00 – 11:20	Transcranial Doppler in NICU, Vasospams, and Brain Death Protocol	Z. Garami
11:20 – 11:40	Sonolucent Cranioplasty for Cranial Bypass Surgery	E. Nossek
11:40 – 12:00	Transcranioplasty Ultrasound for Brain Tumor Surveillance	N. Ben-Shalom
12:00 – 12:20	Intracranial hemorrhage (ICH)	C. Kellner
12:20 – 12:40	New Directions in Functional Neuroimaging – Transcending fMRI	C. Liu
12:40 – 12:50	Q&A session	D. Langer
12:50 – 13:50	LUNCH	All

Course Agenda

Saturday, December 3, 2022

TIME	AGENDA ITEM	FACULTY
Module 3	Operative Approaches and Implanting Cranial Windows	Moderators: N. Ben-Shalom
13:50 – 14:20	Practical and Technical Considerations for Point-of-Care B-mode imaging	R. Lee
14:20 – 14:40	Interactive Panel of Discussion of Different Equipment, Applicability, Portability, Pros, and Cons	E. Nossek N. Ben-Shalom All faculty
14:40 – 14:50	Checklists	R. Elinav
14:50 – 15:00	Workstations Instructions, groups assignment (4) for rotation, and Faculty Overview	D. Langer
	LAB	
	Workstations (20–30 minutes per station)	
15:00 – 16:50	<ul style="list-style-type: none"> • Basic Phantoms (20 min) • Complex Phantoms (20 min) • Ultrasound Simulator Designated for Self-Training (20 min) • Real patient exercise • Augmented Reality (30 min) 	(2 faculty members per station)
16:50 – 17:10	COFFEE BREAK	All
17:10 – 17:20	The future of this group	R. Elinav
17:20 – 17:30	Final Q&A /Wrap-up/Closing remarks	D. Langer E. Nossek N. Ben-Shalom
17:30	End of the event	All

Event venue



The Penn Club of New York

30 West 44th Street, New York, NY 10036

Phone: (212)-764-3550

Event organization

Global Neuro Foundation

Clavadelerstrasse 1

7270 Davos, Switzerland

Event Organizer

Ximena Rodriguez / Linda Domeisen

Phone +1 321 732 2199

E-mail: Ximena.rodriguez@globalneuro.org

Event information

Event fee

Attending physicians: \$500 USD
Resident/Fellow/Researcher/Allied health practitioner: \$200 USD
Included in the course fee are course material and certificate, breakfast, coffee breaks and lunch

Registration

For registration please visit:
<https://globalneuro.org/EN/education/event-detail/44.html>

Continuing Medical Education Accreditation (CME)

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by CME Outfitters, LLC, and the Global Neuro Foundation. CME Outfitters, LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (AACME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

CME Outfitters, LLC, designates this Live activity for a maximum of 7.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Course certificate

The course certificates can only be provided if the participant attends the entire event (100%) and will be available at the end of the event.

Evaluation guidelines

All Global Neuro events apply the same evaluation process, either online (pre- and post-event evaluation) and/or on-site by an audience response system (ARS) or written questionnaires. This helps Global Neuro ensure that we continue to meet your training needs.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.

The Global Neuro Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The Global Neuro Foundation assumes participants agree that these recorded materials may be used for Global Neuro marketing, other purposes, and made available to the public

Security

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, practical exercises, and group discussions.

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Mobile phone use

Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate to others by turning off your mobile phone.

Dress code

Business Casual (Men's jacket required. **No jeans**).



Global Neuro Foundation— Principles of Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the Global Neuro network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the Global Neuro Education Institute (www.globalneuro.org). Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation

Council for Continuing Medical Education (www.uems.eu)

- Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:
- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the Global Neuro Foundation) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Personnel

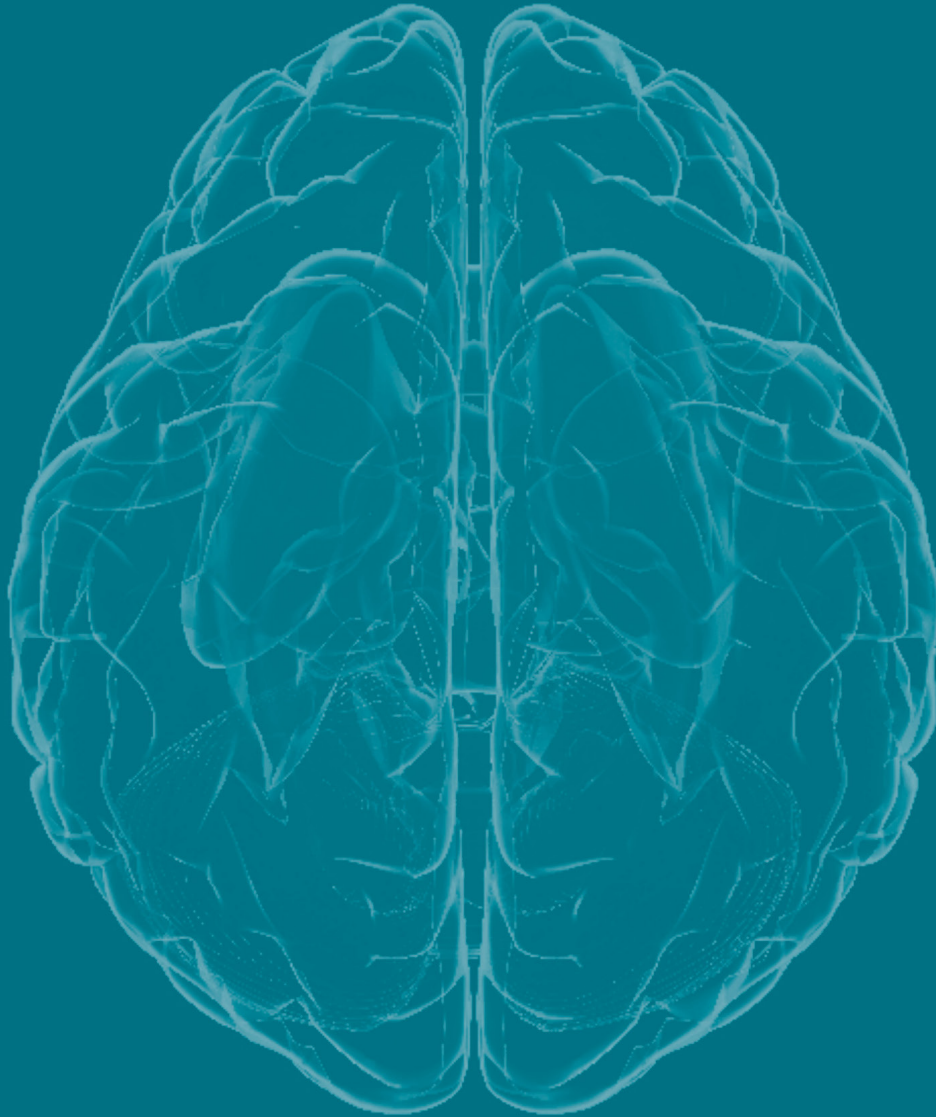
Industry staff are not allowed to interfere with the educational content or engage in educational activities during the event.

Sponsors

A special thanks to Longeviti for providing an unrestricted educational grant and in-kind support (material and logistics) for this event.



Global Neuro



Stay up to date with our educational activities.
Visit www.globalneuro.org today.

Global Neuro

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www.globalneuro.org