



Congress of  
Neurological  
Surgeons

# 2023 CONGRESS OF NEUROLOGICAL SURGEONS ANNUAL MEETING

September 9-13, 2022  
Washington, D.C.

RELEVANT CONFLICT OF INTEREST DISCLOSURES AND EDUCATIONAL GRANTS

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## ACCREDITATION

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### ACCME Accreditation Statement

The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### AMA Credit Designation Statement(s)

The CNS designates this live activity for a maximum of 44.00 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

\* A maximum of 21.50 AMA PRA Category 1 Credits™ may be earned for general sessions only.

### ADDITIONAL CME CREDITS CAN BE EARNED BY ATTENDING THE FOLLOWING:

#### **SYMPOSIA - (SATURDAY/SUNDAY)**

##### Half Day Sessions

Registered attendees will receive a maximum of 3.75 *AMA PRA Category 1 Credits™* for each eligible half-day morning symposia (A) and a maximum of 3.25 *AMA PRA Category 1 Credits™* for each half-day afternoon symposia (B).

##### Full Day Sessions

Registered attendees will receive a maximum of 7.00 *AMA PRA Category 1 Credits™* for each full-day symposia.

#### **LUNCHEON SEMINARS**

Attendees will receive a maximum of 1.50 *AMA PRA Category 1 Credits™* for all eligible luncheon seminars.

#### **DINNER SEMINARS**

Attendees will receive a maximum of 2.00 *AMA PRA Category 1 Credits™* for all eligible dinner seminars.

#### **Physician Assistant/Physician Extender:**

Attendees will receive credits for attendance at the general Scientific Sessions and for any optional events attended. Each physician assistant/physician extender should contact his or her individual membership association and certification board to determine the requirements for accepting credits. All attendees will receive a Certificate of Attendance.

## NON-CME SESSIONS

Per the ACCME Standards for Integrity and Independence in Accredited Continuing Education, all NON-CME sessions at the 2022 CNS Annual Meeting will be held in a separate room from accredited continuing education.

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## RELEVANT CONFLICT OF INTEREST DISCLOSURES

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### CNS Disclosure Policy

The Congress of Neurological Surgeons controls the content and production of this CME activity and attempts to assure the presentation of balanced, objective information. In accordance with the Standards for Integrity and Independence in Accredited Continuing Education established by the Accreditation Council for Continuing Medical Education (ACCME), speakers are asked to disclose all relationships they have with ineligible companies\* over the previous 24 months which may be related to the content of their lecture. Speakers who have disclosed a relationship with an ineligible company whose products may have a relevance to their presentation are listed below.

**Any planner, reviewer, or faculty member not on the disclosure list has reported they have nothing to disclose.**

**All relevant financial relationships listed for these individuals have been mitigated.**

*\*Ineligible companies are those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. An ineligible company is not eligible for ACCME accreditation or participation in Joint Providership.*

*Agenda and faculty subject to change*

### Reviewers

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Tiffany Hodges		Nothing to Disclose
Akash Patel		Nothing to Disclose

### Planners- Scientific Program Committee

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Ellen L. Air	Medtronic, Inc.	Contracted Research
	Functional Neuromodulation, Stryker	Consulting Fee
Garni Barkhoudarian	Vascular Technologies Inc (VTI), Cerevasc (Data Monitoring Committee)	Consulting Fee
Justin M. Brown	NuVasive	Royalty
Domagoj Coric	Spine Wave, Globus Medical, Stryker, Integrity Implants, Medtronic, Inc., RTI Surgical	Royalty
	Spine Wave, Globus Medical, Stryker, Integrity Implants, Medtronic, Nuvasive	Consulting Fee
Jason Davies	NIH R21/R01, NSF SBIR, UB-CAT, Buffalo Translational Consortium, Cummings Foundation, nVidia, Google	Contracted Research
	Medtronic, Inc.	Consulting Fee

Isabelle M. Germano	Brainlab, Integra	Consulting Fee
Ramesh Grandhi	Biogen - ASTRAL Study, University of Utah Site Principal Investigator Abbott - Abbott iSTAT Study, University of Utah Site Principal Investigator Medtronic - EMBOLISE Study, University of Utah Site Principal Investigator	Contracted Research
	Balt Neurovascular, Medtronic Neurovascular, Cerenovus Neurovascular, Integra	Consulting Fee
Jason Heth	Northwest Biotherapeutics	Contracted Research
Christopher Michael Holland	Medtronic, Globus Medical	Speakers Bureau
	Medtronic, Globus Medical	Consulting Fee
Michael Lim	Patent for combining focused radiation and immunotherapy and patent for combining local chemotherapy and immunotherapy	Receipt of IP
	Tocagen, VBI, InCephalo Therapeutics, Pyramid Bio, Merck, BMS, Insightec, Biohaven, Sanianoia, Hemispherian, Black Diamond Therapeutics, Novocure, Noxxon, InCando, Stryker	Consulting Fee
Mark Alexander Mahan	Joimax Inc	Consulting Fee
Guy M. McKhann	Koh Young Inc	Consulting Fee
Jeffrey Paul Mullin	Medtronic, Inc.	Contracted Research
	Nuvasive, Medtronic Inc., SI bone	Consulting Fee
Peter Nakaji	AcuMed   OsteoMed	Royalty
	AcuMed   OsteoMed	Receipt of IP
Joseph Samir Neimat	Abbott Inc, Monteris Inc, Medtronic Inc.	Consulting Fee
David O. Okonkwo	NuVasive, ZimmerBiomet	Royalty
	NuVasive	Consulting Fee
Daniel A. Orringer	Invenio Imaging Inc.	Ownership Interest - Future Stock Options
	Stryker Instruments, NX Development Corp	Consulting Fee
Parag G. Patil	NeuroOne Medical Technologies Corporation	Consulting Fee
Charles A. Sansur	Stryker, Nuvasive	Royalty
	Nuvasive	Consulting Fee
Clemens M. Schirmer	Principal Investigator ASPIRE, SLEEP SMART, SURF, ENRICH, MIND, INVEST, EXCELLENT trials	Contracted Research
Sameer A. Sheth	Boston Scientific, Koh Young, Zimmer Biomet, Abbott, Neupace	Consulting Fee
Laura A. Snyder	Globus Medical, Medtronic, Nuvasive	Consulting Fee
Jennifer A. Sweet	NIH R56 Grant	Contracted Research
	Koh Young Inc.	Consulting Fee
Khoi Duc Than	SI-Bone	Speakers Bureau

	Bioventus, DePuy Synthes, Accelus, Cerapedics	Consulting Fee
Stavropoula I. Tjoumakaris	Microvention, Medtronic	Consulting Fee
Anand Veeravagu	NuVasive, Stryker, Surgical Theater, OsteoCentric	Consulting Fee
Ben Waldau	K08NS105914 - Mechanism of Memory Decline after Intraventricular Hemorrhage	Contracted Research
	Stryker, Siemens/Corindus	Consulting Fee
Chengyuan Wu	Abbott, Boston Scientific, Medtronic, Neuropace, Nevro, Microsystems Engineering	Consulting Fee

## Planners

Adib Adnan Abla	Stryker Neurovascular, Silk Road Medical Inc	Consulting Fee
J. Alex Thomas	NuVasive	Consulting Fee
		Contracted Research
		Royalty
Jan-Karl Burkhardt	Q`Apel Medical, Longevity Neuro Solutions	Consulting Fee
Francesco DiMeco	BK	Consulting Fee
	Ultrasound compatible prosthesis	Receipt of IP
Rose Du	Grand Rounds	Consulting Fee
Benjamin D. Elder	Johnson & Johnson/Depuy Synthes	Consulting Fee
	SI Bone SILVIA study, Stryker Adherus study	Contracted Research
	Medical Advisory Board-Inject Sense	Ownership Interest - Future Stock Options
Kai-Ming G. Fu	Johnson and Johnson, Inc.	Consulting Fee
Christopher Michael Holland	Medtronic, Globus Medical	Consulting Fee
		Speakers Bureau
Peter Kan	Stryker Neurovascular, Imperative Care	Consulting Fee
Tyler R. Koski	NuVasive, Alphatec, SeaSpine	Consulting Fee
	NuVasive, Medtronic, Inc.	Royalty
Rohan R. Lall	Medtronic, SynerFuse	Consulting Fee
Yi Lu	Depuy/Synthes	Consulting Fee
André Machado	Abbott	Consulting Fee
	Abbott, Enspire	Contracted Research
	Enspire, Ceraxis, and Cardionomics	Receipt of IP
Juan Carlos Fernandez-Miranda	Integra	Consulting Fee
	KLS Martin, Hotry	Royalty
Praveen V. Mummaneni	Depuy, Stryker, Globus	Consulting Fee
	AO Spine; Spineart	Receipt of IP
	Depuy Spine; Springer Publishers, Thieme Publishers	Royalty
Brian V. Nahed	React Neuro, Robeaute, Unclear	Consulting Fee
	React Neuro	Ownership Interest - Future Stock Options

	Merck, BK	Speakers Bureau
Matthew Neal	Medtronic Inc.	Consulting Fee
Laura Benjamin Ngwenya	Biogen, Abbott	Contracted Research
Erika A. Petersen	Abbott, Medtronic, Nevro, Vertos, Saluda	Consulting Fee
	Nevro, Neuros Medical, ReNeuron, Saluda, SPR	Contracted Research
	SynerFuse	Ownership Interest - Future Stock Options
Wilson Zachary Ray	Globus Medical, Depuy Synthes, NuVasive	Consulting Fee
Daniel K. Resnick	NIDUS	Ownership Interest - Future Stock Options
Scott Douglas Simon	Member of PERFLOW clinical event committee for the European trial of their Cascade device	Consulting Fee
Andrew E. Sloan	Monteris Medical, Inc., Surgical Theatre, LLC	Consulting Fee
	Merck Pharmaceuticals, Monteris Medical	Contracted Research
	DVI	Receipt of IP
Robert J. Spinner	Mayo Medical Ventures	Consulting Fee
Alejandro M. Spiotta	Penumbra, Stryker, Terumo, Siemens, Rapid AI	Consulting Fee
Geirmund Unsgård	Sonoclear	Consulting Fee
		Ownership Interest - Future Stock Options
Babu Guai Welch	Medtronic, Inc. Stryker	Consulting Fee
	Peter Lasic, Inc	Royalty
Brad Evan Zacharia	Medtronic Inc.	Consulting Fee
	NICO Corp.	Speakers Bureau

## Faculty

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Wael Asaad	Vivonics, Medtronic, Inc.	Contracted Research
Ausaf A Bari	Medtronic, Inc.	Consulting Fee
David Charles	Abbott, AbbVie, Glaxo Smith Klien, Ipsen, Merz, Neuronika, Revance Supernus.	Consulting Fee
	Aeon, Allergan, Impax, Merz, Novartis, and Pharma 2B.	Contracted Research
	Medtronic, Inc.	Consulting Fee
	Medtronic, Inc.	Contracted Research
	PTC Therapeutics	Fees For Non-CME Services
	Aesculap	Speakers Bureau
Shabbar F. Danish	Medtronic, Inc.	Consulting Fee
Steven M. Falowski	Vertiflex, Medtronic, Inc., Abbott, Vertos, Saluda, CornerLoc, Surgentec, Mainstay, Relevant, Aurora	Consulting Fee

	Vertiflex, Medtronic, Inc., Abbott, Saluda, Mainstay, Aurora Spine, CornerLoc	Contracted Research
	Saluda, SPR therapeutics, Thermaquil, SpineThera, Aurora, Surgentec, Painteq, Cornerloc	Ownership Interest - Future Stock Options
	Aurora	Royalty
	Vertiflex, Medtronic, Inc., Abbott, Vertos, Saluda, CornerLoc, Surgentec, Mainstay, Relievent, Aurora	Speakers Bureau
Alfonso Fasano	Abbott, Abbvie, Boston Scientific, Ceregate, Inbrain Medtronic, Inc.	Consulting Fee
Albert J. Fenoy	Medtronic, Inc.	Consulting Fee
Kelly D. Foote	Medtronic, Inc., Boston Scientific, Functional Neuromodulation	Contracted Research
Saadi Ghatan	Neuropace, Monteris	Consulting Fee
Jamie Joseph Van Gompel	Neuro One	Contracted Research
		Royalty
Robert E. Gross	Medtronic, Inc., Abbott, Voyager, Zimmer Biomet, NeuroOne, Boston Scientific	Consulting Fee
		Contracted Research
		Fees For Non CME Services
	Nia Therapeutics	Ownership Interest - Future Stock Options
Jaimie M. Henderson	Boston Scientific	Contracted Research
	Enspire DBS, Circuit Therapeutics, Neuralink	Ownership Interest - Future Stock Options
Kathryn L. Holloway	Medtronic, Inc.	Consulting Fee
		Contracted Research
Ayanna Howard	Stern Strategy	Speakers Bureau

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Suneil Kumar Kalia	Medtronic, Inc.	Consulting Fee
		Speakers Bureau
Michael Gordon Kaplitt	MeiraGTx	Consulting Fee
		Contracted Research
Camilla Kilbane	Medtronic, Inc.	Consulting Fee
	TEVA, Accorda	Speakers Bureau
Albert H. Kim	Monteris medical	Consulting Fee
		Fees For Non CME Services
Paul S. Larson	Abbott, Aspen Neuroscience, Biogen,BlueRock, Boston Scientific, BrainXell, Corlieve, Galvani Bioelectronics Passage Bio,Sanofi, Sio Gene Therapies	Consulting Fee
	Voyager, uniQure, Neurocrine, Brain Neurotherapy Bio	Contracted Research

Adrian Walter Laxton	Monteris Medical	Consulting Fee
Eric C. Leuthardt	Monteris Medical, Neuroolutions	Consulting Fee
	Neuroolutions	Royalty
Andres M. Lozano	Medtronic, Inc., Abbott, Boston Scientific, Insightec, Functional Neuromodulation	Consulting Fee
André Machado	Abbott	Consulting Fee
	Abbott, Enspire	Contracted Research
	Enspire, Ceraxis, Cardionomics	Receipt of IP
Robert Allen McGovern	NeuroOne Medical Technologies Corporation	Consulting Fee
Cameron C. McIntyre	Boston Scientific Neuromodulation	Consulting Fee
Edjah K. Nduom	Bristol-Myers Squibb	Contracted Research
Joseph Samir Neimat	Abbott Inc, Monteris Inc, Medtronic, Inc.	Consulting Fee
Parag G. Patil	NeuroOne Medical Technologies Corporation	Consulting Fee
Erika A. Petersen	Abbott, Medtronic, Inc., Nevro, Vertos, Saluda	Consulting Fee
	Nevro, Neuros Medical, ReNeuron, Saluda, SPR	Contracted Research
	SynerFuse	Ownership Interest - Future Stock Options
Julie G. Pilitsis	Boston Scientific, Nevro, Medtronic, Inc., Saluda and Abbott	Consulting Fee
	Medtronic, Inc., Boston Scientific, Abbott, Nevro,	Contracted Research
Francisco A. Ponce	Boston Scientific, Medtronic, Inc., Globus	Consulting Fee
Nader Pouratian	Abbott, Sensoria Therapeutics, Second Sight Medical Products, Boston Scientific	Consulting Fee
Robert Mark Richardson	NeuroPace, Biogen	Consulting Fee
John David Rolston	Medtronic, Inc., NeuroPace, Corlieve Therapeutics	Consulting Fee
Joshua M. Rosenow	Boston Scientific Neuromodulation	Consulting Fee
	Boston Scientific Neuromodulation, SPR, Monteris	Contracted Research
<b>Individual's Name</b>	<b>Name(s) of Ineligible Company</b>	<b>Nature of Relationship(s)</b>
Sepehr Sani	Insightec	Fees For Non CME Services
Jason M. Schwalb	Tegus	Consulting Fee
	Medtronic, Inc., Neuros, SetPoint	Contracted Research
Ashwini Dayal Sharan	Cerebral Therapeutics, Medtronic, Inc., Neuspera	Consulting Fee
	Cerebral Therapeutics, Medtronic, Inc., Neuspera	Ownership Interest - Future Stock Options
Sameer A. Sheth	Boston Scientific, Koh Young, Zimmer Biomet, Abbott Neuropace	Consulting Fee
Ludy Shih	Medtronic, Inc., Neurocrine, WCG Medavante	Consulting Fee
	Abbott, Praxis Precision Medicines	Contracted Research

Konstantin V. Slavin	Medtronic, Inc., Abbott, Boston Scientific, Neuros, Stryker, Nurami, NovoNordisk	Contracted Research
	Vycor, Higgs Boson, Neuramodix, Stimwave, Thermaquil	Ownership Interest - Future Stock Options
Adam M. Sonabend	BMS, CarThera	Contracted Research
	Provisional patnt on use of ultrasound for delivery of pactiltaxel-bound to albumin to the brain	Receipt of IP
Jennifer A. Sweet	Koh Young Inc.	Consulting Fee
Nitin Tandon	Nervonik, BrainGrade	Ownership Interest - Own The Company
Doris D. Wang	Boston Scientific, Iota Sciences	Consulting Fee
Peter C. Warnke	Medtronic, Inc.	Contracted Research
Jessica Wilden	ClearPoint Neuro Inc.	Consulting Fee
Jon Timothy Willie	AiM Medical Robotics, Inc.	Consulting Fee
Jon Timothy Willie	Medtronic, Inc., Neuropace, Inc., MicroTransponder, Inc. Inner Cosmos, Inc.	Contracted Research
	Medtronic, Inc., Neuropace, Inc., Clearpoint Neuro, Inc.	Speakers Bureau
Chengyuan Wu	Abbott, Boston Scientific, Medtronic, Inc., Neuropace, Nevro Microsystems Engineering, Janssen Pharmaceuticals	Consulting Fee



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## EDUCATION GRANTS & IN-KIND EQUIPMENT

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### **Commercial Support:**

Congress of Neurological Surgeons wishes to recognize and thank the following for providing an educational grant and/or use of equipment (in-kind):

<b>Name of Commercial Supporter</b>	<b>In-Kind Support</b>	<b>Financial Support</b>
Zimmer Biomet	Yes	Yes
FHC	Yes	No
Renishaw	Yes	No
Medtronic, Inc	Yes	Yes
Monteris Medical	Yes	Yes
Brainlab	Yes	No
Globus Medical	Yes	Yes
Zimmer Biomet	Yes	Yes
Elekta	Yes	Yes

