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<p>Sepideh Amin-Hanjani, MD</p>	<p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p> <p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p> <p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p> <p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p> <p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p>	<p>Chicago Neurological Society</p> <p>Brain Aneurysm Foundation</p> <p>Interurban Neurosurgical Society</p> <p>American Heart Association Stroke Council</p> <p>ACGME RC member</p>
<p>Terence Calvin Burns, MD, PhD</p>	<p>BoardTrusteeOfficerLeadership position that could affect an entities' finances</p> <p>Grants/Research Support</p> <p>Other Financial Support</p> <p>Consultant Fees</p>	<p>Neuramatrix</p> <p>Multiple federal and state granting agencies and foundations (NIH, Regenerative Medicine Minnesota, Minnesota Partnership for biotechnology and genomics, Humor to fight the Tumor</p> <p>Mayo Clinic</p> <p>Alector</p>

Sarah Chiang	<p>Consultant Fees Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>Consultant Fees</p> <p>Consultant Fees</p> <p>Consultant Fees Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>Consultant Fees</p> <p>Consultant Fees Other Financial Support Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>Consultant Fees Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>Consultant Fees</p>	<p>Neuroolutions</p> <p>Monteris Medical</p> <p>E15</p> <p>Acera</p> <p>Alcyone</p> <p>Intellectual Ventures</p> <p>Caeli Vascular</p> <p>Osteovantage</p> <p>Pear Therapeutics, Inc.</p>
Dean Chou, MD	<p>Consultant Fees</p> <p>Expert Medical Opinion Services Income Honorarium Other Financial Support</p> <p>Consultant Fees</p>	<p>Globus</p> <p>Globus</p> <p>Orthofix</p> <p>none</p>
Juan Carlos Fernandez-Miranda, MD	Other Financial Support	KLS Martin
Paul A. Gardner, MD	<p>Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>Consultant Fees</p> <p>Speaker's Bureau</p>	<p>SPIWay</p> <p>Lazic</p> <p>Zeiss</p>
Zohar Ghogawala, MD	<p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity</p> <p>BoardTrusteeOfficerLeadership position that could affect an entities' finances</p> <p>BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p> <p>BoardTrusteeOfficerLeadership position that could affect an entities' finances Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)</p>	<p>North American Spine Society</p> <p>Cervical Spine Research Society</p> <p>Nidus</p> <p>AANS-CNS Spine Section</p>

Michael W. Groff, MD	Consultant Fees	Depuy Spine
	Grants/Research Support	
	Other Financial Support	
	Consultant Fees	EBI Spine
	Other Financial Support	SpineArt
	Other Financial Support	Nuvasive
	Consultant Fees	none
		None
	None	
	None	
	None	

Regis W. Haid Jr., MD	Consultant Fees	NuVasive
	Other Financial Support	
	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)	
	Other Financial Support	Globus Medical
	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)	
	Other Financial Support	Medtronic Sofamor Danek
	Other Financial Support	Spine Wave
	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)	Remedy Health Media (formerly Vertical Health; formerly SpineUniverse)
	Other Financial Support	Elsevier, Inc.
	BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entityBoardTrusteeOfficerLeadership position that could affect an entities' finances	AANS
BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entityBoardTrusteeOfficerLeadership position that could affect an entities' finances	NREF	

Pascal Marcel Jabbour, MD	Consultant Fees	Medtronic
	Grants/Research Support	cerenovus
	Consultant Fees	microvention

Larry T. Khoo, MD	Consultant Fees	Zimmer- Consultant
	Speaker's Bureau	
	Consultant Fees	Globus Medical
	Speaker's Bureau	
	Consultant Fees	Aesculap
Consultant Fees	Zimmer Spine	
Consultant Fees	Spineguard	
Speaker's Bureau		
Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)		

Michael T. Lawton, MD	Consultant Fees	Mizuho America, Inc. (Royalty)
	Consultant Fees	Stryker
	Consultant Fees	Carl Zeiss

Adel M. Malek, MD, PhD	Consultant Fees	CereVasc Inc.
Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)		

Joseph Charles Maroon, MD	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Consultant Fees Employee (any industry)	ImPACT Applications, Inc.  The Pittsburgh Steelers The National Football League University of Pittsburgh Medical Center
J Mocco, MD	Consultant FeesOther Financial SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant FeesOther Financial SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Other Financial SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant FeesOther Financial Support	Rebound Therapeutics  Endostream  CVAid, Perflow  Cerebrotech  Viseon  Vastrax  NTI  Blink TBI, VizAI, RIST, Myra Medical, Instylla, and Serenity  Imperative Care
Jacques J. Morcos, MD	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Consultant Fees	Kogent  LEICA  STRYKER
Praveen V. Mummaneni, MD	Consultant FeesOther Financial Support BoardTrusteeOfficerLeadership position specifically with a neurosurgical or medical-related associatednon-profit or similar entity Consultant Fees Other Financial Support Grants/Research Support Consultant Fees Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Grants/Research Support Grants/Research Support	Depuy spine  CNS  Stryker Thieme publishers, Springer Publishers NREF Globus Spinicity/ISD  AO Spine ISSG
David O. Okonkwo, MD, PhD	Consultant FeesOther Financial Support Consultant FeesOther Financial Support	NuVasive  Zimmer Biomet

Luiz Pimenta, MD, PhD	Consultant Fees Speaker's Bureau Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Speaker's Bureau	Alphatec
John Pollina Jr., MD	Consultant Fees Grants/Research Support Consultant Fees Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Expert Medical Opinion Services Income	Medtronic Atec
Charles Sansur, MD, MHSc	Consultant Fees Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees	Stryker Maryland Development Corporation Nuvasive
Daniel M. Sciubba, MD	Consultant Fees Consultant Fees BoardTrusteeOfficerLeadership position that could affect an entities' finances Consultant Fees	Medtronic Depuy-Synthes Stryker Baxter
Christopher I. Shaffrey, MD	Consultant Fees Grants/Research Support Other Financial Support Other Financial Support Consultant Fees Grants/Research Support Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Grants/Research Support Other Financial Support Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Other Financial Support BoardTrusteeOfficerLeadership position that could affect an entities' finances Grants/Research Support Grants/Research Support Grants/Research Support Grants/Research Support	Medtronic Zimmer-Biomet Nuvasive SI Bone Scoliosis Research Society- President-elect Cervical Spine Research Society- BOD ISSG, AO, Department of Defense, NACTN- all grant support. Depuy-Synthes AO
John H. Shin, MD	Consultant Fees Consultant Fees Consultant Fees Consultant Fees	Stryker Medtronic Nuvasive Depuy Synthes

Adnan H. Siddiqui, MD, PhD	Grants/Research Support	NIH and University at Buffalo
	Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.)	Adona Medical, Inc., Amnis Therapeutics, Bend IT Technologies, Ltd., BlinkTBI, Inc, Boston Scientific Corp (for purchase of Claret Medical), Buffalo Technology Partners, Inc., Cardinal Consultants, LLC, Cerebrotech Medical Systems, Inc, Cognition Medical, CVAID, Ltd., Endostream Medical, Ltd, Imperative Care, Inc., Instylla, Inc., International Medical Distribution Partners, IRRAS, LaunchNY Seed Fund Management, LLC, NeuroRadial Technologies, Inc., Neurovascular Diagnostics, Inc., Perflow Medical, Ltd., Q'Apel Medical, Inc., Radical Catheter Technologies, Inc., Rebound Therapeutics Corp. (Purchased 2019 by Integra Lifesciences, Corp), Rist Neurovascular, Inc., Sense Diagnostics, Inc., Serenity Medical, Inc., Silk Road Medical, Spinnaker Medical, Inc., StimMed, Synchron, Three Rivers Medical, Inc., Truvic Medical, Inc, Vastrax, LLC, VICIS, Inc., Viseon, Inc., Viz.ai, Inc
	Consultant Fees	Amnis Therapeutics, Apellis Pharmaceuticals, Inc., Boston Scientific, Canon Medical Systems USA, Inc., Cardinal Health 200, LLC, Cerebrotech Medical Systems, Inc., Cerenovus, Corindus, Inc., Endostream Medical, Ltd, Imperative Care, Inc., Integra LifeSciences Corp., IRRAS, Medtronic, MicroVention, Minnetronix Neuro, Inc., Northwest University – DSMB Chair for HEAT Trial, Penumbra, Perflow Medical, Ltd., Q'Apel Medical, Inc., Rapid Medical, Rebound Therapeutics Corp., Serenity Medical, Inc., Silk Road Medical, StimMed, Stryker, Three Rivers Medical, Inc., VasSol, Viz.ai, Inc., W.L. Gore & Associates
Other Financial Support	Cerenovus NAPA Trial and ARISE II Trial; Medtronic SWIFT PRIME and SWIFT DIRECT Trials; MicroVention FRED Trial & CONFIDENCE Study; MUSC POSITIVE Trial; Penumbra 3D Separator Trial, COMPASS Trial, INVEST Trial;	

Michael Patrick Steinmetz, MD	Consultant Fees	Zimmer Biomet Spine
	Honorarium	Medtronic
	Honorarium	Globus
	Grants/Research Support	Stryker Spine
	Consultant Fees	Globus
	Honorarium	Globus Spine
	Consultant Fees	Elsevier
Other Financial Support	Globus	
Consultant Fees	NA	

William R. Taylor, MD	Consultant FeesGrants/Research SupportHonorariumOther Financial Support Consultant FeesOther Financial SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Consultant Fees	nuvasive  alpha tec  depuy depuy none
Nicholas Theodore, MD	Consultant FeesOther Financial Support Consultant FeesOther Financial SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Other Financial Support Grants/Research Support Grants/Research Support	Synthes Depuy Globus Medical  AO North America NREF N/A N/A N/A N/A N/A
Stavropoula I. Tjournakaris, MD		Medtronic, institutional support Cerenovus, institutional support
Eve C. Tsai, MD, PhD	Grants/Research Support Consultant Fees Consultant Fees Consultant Fees	Praxis Integra Spiderwort
Juan Santiago Uribe, MD	Consultant FeesGrants/Research SupportStock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Consultant Fees	Nuvasive, Inc.  SI-Bone Misonix
Michael Y. Wang, MD	Consultant FeesOther Financial Support Consultant Fees Consultant Fees Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Stock Shareholder (purchased directi.e. not through Mutual Fundretirement packageetc.) Consultant Fees	Depuy-Synthes Globus ISD Medtronic  Vallum Medical Device Partners  Kinesiometrics  Spineology  Stryker

Babu G. Welch, MD	Consultant Fees	Stryker Neurovascular
	Consultant Fees	Medtronic
	Other Financial Support	Peter Lasic, Inc
	Consultant Fees	Microvention

Aaron Michael Yengo-Kahn, MD	Consultant Fees Other Financial Support	BlinkTBI
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Gabriel Zada, MD	Consultant Fees	Stryker
	Consultant Fees	Integra
	Consultant Fees	Medtronic
	Speaker's Bureau	Nico



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