

Enduring Learner Notification

Cervical Spine Research Society
2023 Instructional Course - Enduring
Date of CE Release: 11-30-2023
Date of CE Expiration: 11-30-2024
Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

Learners must listen to each self-directed audio recording while following along with the visual slides/read the articles and complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. You must participate in the entire activity as partial credit is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Joint Accreditation Statement



In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Cervical Spine Research Society. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Amedco Joint Accreditation Provider Number: 4008163

Physicians

ACCME Credit Designation Statement

Amedco LLC designates this material for a maximum of 6.00 *AMA PRA Category 1 Credits™* for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Objectives - After Attending This Program You Should Be Able To

1. Review appropriate anatomy of the cervical spine.
2. Compare the methods for diagnosis of neck disorders
3. Evaluate operative and non-operative treatment options for cervical spine disorders
4. Recognize and respond to complications of surgical treatment
5. Exchange information on cervical spine research, diagnosis and treatment with both US and international surgeons.

Disclosure of Conflict of Interest

The following table of disclosure information is provided to learners and contains the relevant financial relationships that each individual in a position to control the content disclosed to Amedco. All of these relationships were treated as a conflict of interest, and have been resolved. (C7 SCS 6.1-6.2, 6.5)

All individuals in a position to control the content of CE are listed below.

Name	AM2023 Disclosure
Abtahi, Amir (MD)	No Relevant Financial Relationships

Agarwal, Nitin (MD)	Consultant relationship with Springer International Publishing; Consultant relationship with Thieme Medical Publishers; Author relationship with Springer International Publishing; Author relationship with Thieme Medical Publishers; Fellowship relationship with AO Spine; Fellowship relationship with AO Spine
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Arzani, Artine (BS)	No Relevant Financial Relationships
Asada, Tomoyuki (MD)	No Relevant Financial Relationships
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Bernatz, James (MD)	No Relevant Financial Relationships
Boakye, Maxwell (MD, FAANS)	No Relevant Financial Relationships
Bible, Jesse (MD)	No Relevant Financial Relationships
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Chan, Andrew (M.D.)	No Relevant Financial Relationships
Chan, Justin (MD)	No Relevant Financial Relationships
Changoor, Stuart (MD)	No Relevant Financial Relationships
Chen, Daniel (BS)	No Relevant Financial Relationships
Chen, Xiongsheng (MD)	No Relevant Financial Relationships
Choi, Hoon (MD PhD)	Speakers Bureau relationship with Globus Medical; Consultant relationship with Globus Medical
Choi, Sung Hoon (MD)	No Relevant Financial Relationships
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Chryssikos, Timothy (MD, PhD)	No Relevant Financial Relationships

Colman, Matthew (MD)	Consultant relationship with Spinal Elements; Research Grant Site Principal Investigator relationship with CSRS; Consultant relationship with OrthoFix, Inc; Research Grant Overall Principal Investigator relationship with CSRS; Speakers Bureau relationship with Orthofix, Inc; Consultant relationship with K2M/Stryker Spine; Speakers Bureau relationship with DePuy, A Johnson & Johnson Company; Consultant relationship with Alphatec Spine
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Fehlings, Michael (MD, PhD, FRCSC)	President and Founder relationship with Inteligex
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Furlan, Julio (MD,LLB,MBA,MSc,PhD)	Research Grant Overall Principal Investigator relationship with J P Bickell Foundation; Research Grant Overall Principal Investigator relationship with Ontario Neurotrauma Foundation; Research Grant Overall Principal Investigator relationship with Ministry of Health of Ontario; Research Grant Overall Principal Investigator relationship with Ministry of Health of Ontario; Research Grant Overall Principal Investigator relationship with Cervical Spine Research Society; Research Grant Overall Principal Investigator relationship with Cervical Spine Research Society; Research Grant Overall Principal Investigator relationship with Craig H Neilsen Foundation; Research Grant Overall Principal Investigator relationship with Craig H Neilsen Foundation
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Kepler, Chris (MD, MBA)	Research Grant Site Principal Investigator relationship with NIH; Deputy Editor relationship with Clinical Spine Surgery; Royalty Agreement relationship with Camber; Royalty Agreement relationship with Inion
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Kim, Nam Yeop (MD)	No Relevant Financial Relationships
Lambrechts, Mark (MD)	No Relevant Financial Relationships
Lavadi, Raj (M.B.B.S.)	No Relevant Financial Relationships
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Martinez, Orlando (BS)	No Relevant Financial Relationships
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Matsumoto, Shogo (MD)	No Relevant Financial Relationships
Mesfin, Addisu (MD)	Speakers Bureau relationship with Medtronic; Stock Shareholder relationship with Axiomed
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Mir, Jamshaid (MD)	No Relevant Financial Relationships
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Moore, Don (MD)	No Relevant Financial Relationships
Mroz, Thomas (MD)	royalties relationship with stryker
Mummaneni, Praveen (MD, MBA)	Fellowship funding relationship with Pacira Biosciences; Research grant relationship with NIH/NIAMS U19AR076737; Consultant relationship with Depuy Spine; Consultant relationship with Globus; Consultant relationship with Nuvasive; Consultant relationship with BK Medical; Royalty relationship with Depuy Spine; Royalty relationship with Thieme Publishing; Royalty relationship with Springer Publishing; Stock Shareholder relationship with Spinicity/ISD; Speakers Bureau relationship with Brainlab; Speakers Bureau relationship with SI Bone; Research Grant Site Principal Investigator relationship with AO Spine; Research Grant Site Principal Investigator relationship with ISSG; Research Grant Site Principal Investigator relationship with NREF; Research Grant Site Principal Investigator relationship with PCORI
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Neo, Masashi (MD, PhD)	Consultant relationship with DePuy Synthes Products, LLC
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Patel, Alpesh (MD, MBA, FACS)	Consultant relationship with Johnson and Johnson; Scientific/Medical Advisory Board Member relationship with nView; Deputy Editor relationship with Journal of American Academy of Orthopaedic Surgeons; Consultant relationship with Alphatec; Consultant relationship with CTL Amedica; Investor relationship with Cytonics; Investor relationship with Nocimed; Consultant relationship with CTL Amedica; Investor relationship with Endoluxe; Investor relationship with TDI Inc; Consultant relationship with Zimmer Biomet; Scientific/Medical Advisory Board Member relationship with Kuros Biosciences; Consultant relationship with Depuy Synthes; Consultant relationship with Nuvasive; Consultant relationship with Nuvasive; Consultant relationship with Alphatec
Patel, Vikas (MD)	Research grant relationship with Medtronic; Research grant relationship with Pfizer; Research grant relationship with Mainstay Medical; Consultant relationship with Zimmer Biomet; Consultant relationship with Baxter Healthcare; Consultant relationship with Stryker; Consultant relationship with Aesculap; Consultant relationship with DePuy Synthes; Research grant relationship with Spinal Kinetics
Pinter, Zachariah (MD)	No Relevant Financial Relationships
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Protopsaltis, Themistocles (MD)	Consultant relationship with Medtronic; Stock Shareholder relationship with OnePoint Surgical; Research Grant Site Principal Investigator relationship with Medtronic; Consultant relationship with Stryker K2M; Consultant relationship with Altus; Consultant relationship with NuVasive; Consultant relationship with Globus

	<p>Scientific/Medical Advisory Board Member relationship with Spinal Simplicity; Editorial Board relationship with Contemporary Spine Surgery; Scientific/Medical Advisory Board Member relationship with Lifelink.com; Consultant, Royalties relationship with Stryker K2M; Private investments relationship with Vital 5 (Past relationship); Private investments relationship with Tissue Differentiation Intelligence; 1) Publications Committee member (2019-2022) 2) Professional relationship with Cervical Spine Research Society (CSRS); Ownership/Equity/Investment relationship with Tissue Differentiation Intelligence; Consultant relationship with Stryker K2M; 1) Program Committee member 2) Professional Society member 3 relationship with Society of Lateral Access Surgery; Clinical Events Committee member relationship with Simplify Medical, Inc.; Designer relationship with Stryker K2M; Royalties from Intellectual Property relationship with Stryker K2M; Speaker address relationship with RTI Surgical Inc. (Past relationship); Consultant relationship with Paradigm Spine (Past relationship); Consultant relationship with Surgalign; Honoraria relationship with AMOopportunities; Research Grant Site Principal Investigator relationship with Viseon, Inc.; Consultant relationship with Viseon, Inc.; Treasurer relationship with Minimally Invasive Spine Study Group; Consultant relationship with SpineGuard, Inc.; Stock Shareholder relationship with HS2, LLC; Consultant relationship with Globus Medical, Inc.; Speakers Bureau relationship with Globus Medical, Inc.; Scientific/Medical Advisory Board Member relationship with Spinal Simplicity, LLC; Clinical Experience Program relationship with AMOopportunities; Editorial Board/ Senior Associate Editor (2021-2024) relationship with Hospital Special Surgery Journal; Education Committee; 2021 Annual Meeting Program Chair relationship with International Society for the Advancement of Spine Surgery; Research Grant Overall Principal Investigator relationship with Viseon; Consultant relationship with Viseon; Consultant relationship with Suralign; Consultant relationship with SpineGuard, Inc.; Website Committee member; Professional Society member relationship with Lumbar Spine Research Society (LSRS); Professional Society member relationship with The American Orthopaedic Association; Consultant relationship with Viseon; Board of Directors (2021-2024) 4) relationship with Society of Minimally Invasive Spine Surgery (SMISS); Editorial Board relationship with HSS Journal Editorial Board/ Senior Associate Editor; Editorial board member relationship with Annals of Translational Medicine; 1) Program Committee member 2) Professional Society member relationship with Association of Bone and Joint Surgeons; Editorial board member relationship with Contemporary Spine Surgery; Royalties, Speakers' Bureau, Consultant relationship with Globus Medical, Inc.; Scientific/Medical Advisory Board Member relationship with Healthgrades (Past relationship); Consultant relationship with Spineguard; Ownership/Equity/Investment relationship with HS2, LLC; Ownership Interest relationship with HS2; Research Grant Overall Principal Investigator relationship with Viseon; Consultant relationship with Surgalign; Educational role relationship with AMOopportunities; Clinical Events Committee relationship with Simplify Medical; Consultant relationship with Globus Medical, Inc; Speakers Bureau relationship with Globus Medical Inc; Royalties relationship with Globus Medical, Inc; Ownership Interest relationship with Tissue Differentiation Intelligence; Royalties relationship with Stryker K2M; Designer relationship with Stryker K2M; Consulting Fees relationship with Stryker K2M; Political Engagement Cmtte; Payor Policy Review Cmtte; relationship with North American Spine Society; Consultant relationship with Surgalign; Scientific/Medical Advisory Board Member relationship with LifeLink.com Inc.</p>
Qureshi, Sheeraz (MD MBA)	
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Razzouk, Jacob (BS)	No Relevant Financial Relationships

Rhee, John (MD)	Speakers Bureau relationship with Stryker; Consultant relationship with Atec; Royalties relationship with Wolters Kluwer Publishing; Speakers Bureau relationship with Zimjmer Biomet; Royalties relationship with Zimmer Biomet; Speakers Bureau relationship with Medtronic; Royalties relationship with Stryker
Riew, K. Daniel (MD)	Consultant, Advisory Board Meetings relationship with Nuvasive; Consultant, Stock Shareholder relationship with HAPPE Spine; Corporate Board Member relationship with Global Spine Journal; Consultant relationship with HAPPE Spine; Stock Shareholder relationship with Benvenue Medical; Stock Shareholder relationship with Expanding Orthopedics; Stock Shareholder relationship with Axiomed; Stock Shareholder relationship with Spineology; Stock Shareholder relationship with Nuvasive; Stock Shareholders relationship with Nuvasive; Patent Holder relationship with Zimmer Biomet; Patent Holder relationship with Biomet Zimmer; Consultant relationship with Nuvasive; Corporate Board Member relationship with North American Spine Society; Patent Holder relationship with HAPPE Spine; Corporate Board Member relationship with Global Spine Journal; Stock Shareholder relationship with Axiomed; Stock Shareholder relationship with Expanding Orthopedics; Stock Shareholder relationship with Spineology; Stock Shareholder relationship with Spinal Kinetics; Stock Shareholder relationship with Amedica; Stock Shareholder relationship with Vertiflex; Stock Shareholder relationship with Benvenue Medical; Stock Shareholder relationship with Paradigm Spine; Stock Shareholder relationship with Spinal Kinetics; Speakers Bureau relationship with Nuvasive; Patent Holder relationship with Nuvasive
Roca, Andrea (MA)	No Relevant Financial Relationships
Saijo, Yusuke (MD)	No Relevant Financial Relationships
Sasso, Rick (MD)	Consultant relationship with NuVasive; Patent Holder relationship with Medtronic
Satin, Alexander (MD)	Consultant relationship with DEGEN; Scientific/Medical Advisory Board Member relationship with AGADA; Research Grant Site Principal Investigator relationship with CSRS
Saturno, Michael (BA)	No Relevant Financial Relationships
Savage, Jason (MD)	Consultant relationship with Stryker Spine
Schallmo, Michael (MD)	No Relevant Financial Relationships
Schroeder, Gregory (MD)	Consultant relationship with Wolters Kluwer, Stryker, Zimmer, Medtronic, Bioventus, RTI,
Segebarth, P. Bradley (MD)	Fellowship Support relationship with AO Spine North America; Fellowship Support relationship with Nuvasive

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Shaffrey, Christopher (MD)	
Shafi, Karim (MD)	No Relevant Financial Relationships
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Shankar, Ganesh (MD)	Consultant relationship with Depuy/J&J; Research Grant Site Principal Investigator relationship with NuVasive
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Shimer, Adam (MD)	Consultant relationship with Nuvasive; Consultant relationship with Medtronic; Consultant relationship with Cerapedics
SHIN, JAEWON (MD)	No Relevant Financial Relationships
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Singh, Devender (PhD)	No Relevant Financial Relationships
Sivaganesan, Ahilan (MD)	Consultant relationship with Medtronic; Consultant relationship with MiRus; Consultant relationship with Stryker
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Song, Junho (BS)	No Relevant Financial Relationships
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Takahashi, Hiroshi (MD, PhD)	No Relevant Financial Relationships
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TAMAOKA, TAKUYA (MD)	No Relevant Financial Relationships
Tang, Yifan (MD)	No Relevant Financial Relationships
Ton, Andy (B.S.)	No Relevant Financial Relationships
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Upfill-Brown, Alexander (MD)	No Relevant Financial Relationships
Vleggeert-Lankamp, Carmen (MD MSc PhD)	Research Grant Site Principal Investigator relationship with Thromboembolic complications in Neurosurgery (Covidien), Fun
Wang, Jeffrey (M.D.)	Stock Shareholder relationship with surgitech; Consultant relationship with bioretec; Consultant relationship with epidutech; Consultant relationship with angitia; royalties relationship with Novapproach; options relationship with Pearldiver; investment relationship with bone biologics; investment relationship with electrocore; royalties relationship with Depuy Synthes; royalties relationship with Zimmer-Biomet; royalties relationship with Seaspine
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Woods, Barrett (MD)	Consultant relationship with Altus; Education relationship with Stryker; Product Design relationship with Medtronic; Consultant relationship with Altus; Consultant relationship with Altus
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Yamaguchi, Naoki (MD)	No Relevant Financial Relationships
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Zelenty, William (MD)	No Relevant Financial Relationships
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