

DISCLOSURE OF CONFLICTS OF INTEREST

Medical Education Resources insures balance, independence, objectivity, and scientific rigor in all our educational activities. In accordance with this policy, MER identifies conflicts of interest with its instructors, content managers, and other individuals who are in a position to control the content of an activity. Conflicts are resolved by MER to ensure that all scientific research referred to, reported, or used in a CME activity conforms to the generally accepted standards of experimental design, data collection, and analysis. MER is committed to providing its learners with high-quality CME activities that promote improvements or quality in health care and not the business interest of a commercial interest

If noted, the relationships are disclosed as follows:

- | | |
|--------------------------------------|--------------------------------------|
| (A) Grants / Research Support | (D) Ownership Interest / Shareholder |
| (B) Consulting Fees (e.g. Ad Boards) | (E) Salary |
| (C) Speakers' Bureau | (F) Royalty / Patent Holder |

The **faculty** reported the following financial relationships with commercial interests whose products or services may be mentioned in this activity:

First Name	Last Name	Reported Financial Relationship
Peter	Angevine	No financial relationships to disclose
Griffin	Baum	Stryker (B); Olympus (B); Playback Health (D)
Sigurd	Berven	Empirical Spine (A)
Laurel	Blakemore	Medtronic (B); Stryker (F)
Andrew	Chan	No financial relationships to disclose.
Dean	Chou	Globus Medical (B, F); Orthofix (B)
Alan H.	Daniels	Medtronic (A, B); Atec (A); Orthofix (A); Spineart (F); Stryker (F)
Marinus	de Kleuver	No financial relationships to disclose.
Jeremy L.	Fogelson	No financial relationships to disclose.
Jeffrey L.	Gum	Cerapedics (A); Biom'Up (A); Empirical Spine (A); Stryker (A, B, C); Pfizer (A); Acuity (B, F); DePuy (B); Medtronic (B, C, F); NuVasive (B, F); FYR Medical (B, D); Cingulate Therapeutics (D); Expanding Innovations (B); KyAna (C)
Munish	Gupta	AOSpine/OMeGA to Institution (A); Medtronic (B); DePuy (B, F-ended 2022); Globus (B, F-anticipated); J&J (D); Innomed (F)
Darrell	Hanson	Medtronic (C)
Stuart	Hershman	NuVasive (A, B); OnPoint Surgical (B); Biocomposites (B); Osteocentric (B)
Jeff	Hills	No financial relationships to disclose.
Serena	Hu	No financial relationships to disclose.
Khaled	Kebaish	DePuy Synthes (B, F); Ethicon (B); Stryker (F); Orthofix (F); Spinecraft (F)
Michael	Kelly	No financial relationships to disclose.
Han Jo	Kim	SI-BONE (B); Seaspine (B); BroadWater (C); Surgistud (D); Vivex Biologics (D); Aspen Medical (D); Zimmer Biomet/ ZimVie (F); Stryker (F); Acuity (F)
Eric O.	Klineberg	Medtronic (A, B); DePuy Synthes (B); Stryker (B, F); Seaspine (B); SI-BONE (B); Agnovos (B); MMI (D); Relatable (D)
Virginie	Lafage	Alphatec (B); Globus Medical (B); Implanet (C); J&J (C); SeeSpine (D); VFT Solutions (D)
Renaud	Lafage	Carlsmed (B)
Ron	Lehman	Medtronic (B, F); Pacira (B); Stryker (F)
Larry	Lenke	AO Spine (A); Medtronic (B, F); Acuity Surgical (F)
Joseph M.	Lombardi	Medtronic (B); Stryker (B)
Camilo	Molina	Stryker (B); DePuy Synthes (B); Augmedics (B, D); Kuros Biosciences (B); Degen Medical (B); NuVasive (B)
Gregory M.	Mundis, Jr.	NuVasive (B, D, F); Seaspine (B, D, F); Carlsmed (B); SI-BONE (B); Alphatec (D); Stryker (F)
Brian	Neuman	No financial relationships to disclose.

First Name	Last Name	Reported Financial Relationship
Jonathan	Oren	Intrinsic Therapeutics (B)
Joseph	Osorio	Medtronic (A, B); Carlsmed (B); Alphatec (B, F); DePuy (B)
Paul J.	Park	No financial relationships to disclose.
Peter	Passias	Cerapedics (A); Spinevision (A); Medtronic (B); Royal Biologics (B); SpineWave (B); Terumo (B); Globus Medical (C)
Martin	Pham	Medtronic (A, B); Globus (B); Thompson Surgical (B); NovApproach (B)
David	Polly, Jr.	Mizuho OSI (A); Medtronic (A); AO Spine (A); SI-BONE (B, C, F); Globus (B)
Themistocles	Protopsaltis	Altus (F); Globus (B); Medtronic (B); NuVasive (B); OnPoint Surgical (D); Stryker (B)
Zeeshan M.	Sardar	Medtronic (B)
Frank	Schwab	Zimmer Biomet (B, F); Medtronic (B, F); Mainstay Medical (B); VFT Solutions (D); See Spine (D); Stryker (F)
Daniel	Sciubba	DePuy Synthes (B); Medtronic (B); Stryker (B); Baxter (B); NuVasive (B); Augmedics (D)
Chris	Shaffrey	NuVasive (B); Medtronic (B, F); SI-BONE (B, F); Proprio (D); NuVasive (D, F);
Justin	Smith	DePuy Synthes/ISSGF (A); AOSpine (A); NuVasive (A, B, D, F); SeaSpine (B); Carlsmed (B); Cerapedics (B); ZimVie (B, F); Alphatec (D)
Lee	Tan	Medtronic (B); Globus (B); Accelus (F)
Juan	Uribe	Bioventus (B); NuVasive (B)
Michael S.	Virk	DePuy Synthes (B); BrainLab (B); OnPoint Surgical (D)
Scott	Zuckerman	NFL (B)

The **free paper presenters** reported the following financial relationships with commercial interests whose products or services may be mentioned in this activity:

First Name	Last Name	Reported Financial Relationship
Adil	Ahmad	No financial relationships to disclose.
Vardhaan	Ambati	No financial relationships to disclose.
Eduardo	Beauchamp	Medtronic (B)
Hani	Chanbour	No financial relationships to disclose.
Josephine	Coury	No financial relationships to disclose.
Mohammad	Daher	No financial relationships to disclose.
Bassel	Diebo	No financial relationships to disclose.
Ryan	Eaton	No financial relationships to disclose.
Jonathan	Gabor	No financial relationships to disclose.
David	Gendelberg	No financial relationships to disclose.
Alan	Job	No financial relationships to disclose.
Soren	Jonzzon	No financial relationships to disclose.
Cole	Kwas	No financial relationships to disclose.
Justin	Luis	No financial relationships to disclose.
Matan	Malka	No financial relationships to disclose.
Anthony	Mikula	No financial relationships to disclose.
Paal	Nilssen	No financial relationships to disclose.
Andrea	Rowland	No financial relationships to disclose.
Justin	Samuel	No financial relationships to disclose.
Chad	Simon	No financial relationships to disclose.
Suraj	Sulhan	No financial relationships to disclose.
Spencer	Twitchell	No financial relationships to disclose.
Patrick	Young	No financial relationships to disclose.

The **content managers** reported the following financial relationships with commercial interests whose products or services may be mentioned in this activity:

Name of Content Manager	Reported Financial Relationship
Jamie Sykes	No financial relationships to disclose.
Kate Laney	No financial relationships to disclose.
Jeremy Longhurst	No financial relationships to disclose.