

Disclosure and Resolution of Personal Conflicts of Interest

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ASRA Administrative Team		Society, CME, Meeting Management	No											No
Abdallah	Faraj	Faculty	No											No
Adhikary	Sanjib	Faculty	Yes		Infulytics, Pacira Pharmaceuticals			Pacira Pharmaceuticals						No
Akerman	Michael	Faculty	No											No
Albrecht	Eric	Faculty	Yes	B. Braun Medical				B. Braun Medical						No
Altermatt	Fernando	Faculty, Planning	No											No
Amin	Sandeep	Faculty	Yes		Halyard Health, Boston Scientific, Abbott, Neuro, Medtronic									Neurostimulation for headaches
Andreae	Michael	Faculty	No											No
Atchabahian	Arthur	Associate Faculty	Yes		Pacira, Trevena				McGraw-Hill				Sintetica (faculty for non-CME ancillary event during meeting)	No
Ayad	Amany	Faculty, Planning	No											No
Aziz	Ezzat	Faculty, Planning	No											No
Baratta	Jaime	Faculty, Planning	No											No
Barrington	Michael	Faculty	No											No
Benzon	Honorio	Faculty	No											No
Berde	Charles	Faculty	Yes						Grunenthal GmbH (Aachen, Germany)					No
Bernstein	Mitchell	Faculty	No											Yes
Bhalla	Tarun	Associate Faculty	No											No
Bhatia	Anuj	Faculty	No											No
Bolash	Robert	Associate Faculty	Yes		Nuvector			Stimwave, Pfizer, Aspen Laser						No
Bolognesi	Michael	Faculty	Yes		TJO	Zimmer Biomet		Expotech, DePuy Synthes, Zimmer, Stryker	Zimmer Biomet, TJO			Doximity TJO		No
Boretsky	Karen	Faculty	No											No
Borgeat	Alain	Faculty	Yes		Bayer, AstraZeneca, Sintetica									No
Borglum	Jens	Faculty	Yes	SECA Scandinavia (distributor of SonoSite in Scandinavia)	SECA Scandinavia (distributor of SonoSite in Scandinavia)		SECA Scandinavia (distributor of SonoSite in Scandinavia)							No
Boublik	Jan	Faculty	Yes		Pacira, Nimbus						Pfizer (spouse)	Genentech (spouse)		No
Brull	Richard	Faculty	No											Yes
Brummett	Chad	Faculty	Yes					Multiple NIH Grants						No
Buvanendran	Asokumar	Faculty, Board	Yes		Halyard Health									No
Calhoun	Bridget	Faculty, Planning	No											No
Calimag	Minerva	Faculty, Planning	Yes		Aspen	Mundipharma, Getz								No
Calodney	Aaron	Faculty	Yes	Stryker, SiBone	Medtronic, Neuro, Stimwave	APEX	Boston Scientific							No
Carayannopoulos	Alexios	Associate Faculty	Yes		CEO/Founder of Pain Spine and Rehabilitation Consulting Inc.									No
Carrino	John	Faculty	Yes		Pfizer, Globus Medical, Image Analysis, GE									No
Chan	Vincent	Faculty, Chair, CME	Yes	Aspen Pharma, B. Braun Medical, SonoSite	Smiths Medical									No
Chandra	Susilo	Faculty	No											No
Chin	Ki-Jinn	Faculty	No											Yes
Clark	David	Faculty	Yes		Teikoku Pharma USA			NIH, VA, DoD						No
Clarke	Hance	Faculty	No											No
Clauw	Daniel	Faculty	Yes		Abbott, Aptinix, Astellas, Cerephex, Daiichi Sankyo, Pfizer, Samumed, Theravance, Tonix, Zynerva	Pierre Fabre		Aptinix, Cerephex, Pfizer					expert witness: Pfizer, Williams and Connolly	there are a number of classes of drugs that can be used to treat chronic pain that are not specifically indicated to be used for each condition
Cohen	Steven P.	Faculty, Board	Yes		Boston Scientific, Abbott, Halyard, SPR, Zynerva									No
Cole	Brian	Faculty	Yes		Arthrex, Regentis, Zimmer		B. Braun Medical, Arthrex, Cytori, Medipost, Zimmer						Other financial/material support: Athletico, Ossur, Smith & Nephew, Tornier	No
Cubillos	Javier	Faculty	No											No
De Andrés	José	Faculty, Planning	No											No
de Leon-Casasola	Oscar	Faculty, Board	No											Anti convulsants, steroids and ketamine for cancer pain management
De Negri	Pasquale	Faculty	No											No
Deer	Timothy	Faculty, Planning	Yes		Abbott, Bioness, Neuro, Flownox, Axonics, SpineThera, Saluda, Mainstay, SPG Therapeutics	Jazz Pharm	Abbott, Vertos, Saluda, Mainstay	Abbott, Vertos, Saluda, Mainstay			Bioness, Vertos, Axonics, Ethos, Spine Thera, Saluda, SPG Therapeutics			No
Delbos	Alain	Faculty, Planning	Yes	B. Braun Medical, Gamida, Polymeric	Aguetant			Sandoz						No
DelPizzo	Martha T.	Faculty	No											No
Dillane	Derek	Faculty	No											No
Eckmann	Maxim	Faculty	Yes										education grants from Abbott, Medtronic, Boston Scientific	No
Eichenberger	Urs	Faculty	Yes		Pfizer	B. Braun Medical, GE								No
Eldabe	Sam	Faculty	Yes	Medtronic	Mainstay Medical, Boston Scientific, Medtronic			Medtronic						No
Elkassabany	Nabil	Faculty, Planning	No											No
Elsarkawy	Hesham	Faculty	Yes	PACIRA				Pacira, CIVCO, Pajunk, CCF						No
Falowski	Steven	Faculty	Yes	Abbott, Medtronic, Neuro	Abbott, Medtronic, Neuro	Abbott, Medtronic		Abbott, Medtronic, Saluda, Biotronik						No
Franco	Carlo	Faculty	No											No
Gadsden	Jeffrey	Faculty	Yes		Pacira Pharmaceuticals, Mallinckrodt		Mallinckrodt Pharmaceuticals							No

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Gan	Tong Joo	Faculty	Yes			Edwards, Merck, Pacira, Mallinckrodt							Repro Pharma (faculty for non-CME ancillary event during meeting)	No
Garvin	Sean	Associate Faculty	No											Yes
Gharibo	Christopher	Faculty	Yes	Pernix, Mallinckrodt, Daiichi Sankyo, Collegium, Astra Zeneca, Depomed, Teva, Kaleo, Shionogi, Nuven, Axsome, Trevena, Celgene	Pernix, Mallinckrodt, Daiichi Sankyo, Collegium, Astra Zeneca, Depomed, Teva, Kaleo, Shionogi, Nuven, Axsome, Trevena, Celgene	Pernix, Mallinckrodt, Daiichi Sankyo, Collegium, Astra Zeneca, Depomed, Teva, Kaleo, Shionogi, Nuven, Axsome, Trevena, Celgene						Bayer (not relevant to presentation)		Anesthetics in post op spine pain
Grant	James	Faculty	No											No
Grant	Stuart	Faculty, CME	Yes		Halyard Health Inc., B. Braun Medical			SPR Therapeutics, Halyard Health, Durrect Pharma, GE						No
Gray	Andrew	Faculty	Yes						Elsevier-Saunders, Royalties from Medical Publications					No
Green	James	Faculty	No											No
Grider	Jay	Faculty	Yes		Medtronic, Abbott									No
Guheen	Carrie	Faculty, Planning	No											No
Guirguis	Maged	Associate Faculty	Yes	Nevro, Halyard				Nevro, Boston Scientific, Abbott, Halyard						No
Gulati	Amitabh	Faculty	Yes		Medtronic Inc, Accuro, Pixarbio, EnsoRelief									No
Gupta	Rajnish	Faculty, Planning	No											No
Hadzic	Admir	Faculty	Yes		Phillips, GE, SonoSite, Godman & Shrutleff (Johnson & Johnson), Cadence, Pacira, Baxter, B. Braun Medical				B. Braun Medical				Private investigator - Baxter, Pacira	No
Hardman	David	Faculty	No											No
Hargett	Mary	Faculty	No											No
Harned	Michael	Faculty	Yes	Abbott, Medtronic										No
Harrington	Brian	Faculty	No											No
Harrison	T. Kyle	Faculty	No											No
Haskins	Stephen	Faculty	Yes	FUJILM SonoSite										No
Hayek	Salim	Faculty	Yes		Boston Scientific		Mainstay, StimRelieve, Boston Scientific, Saluda							No
Henshaw	Daryl	Faculty	Yes		Teleflex Inc.									No
Horlocker	Terese	Faculty	No											Bridging with LMWH
Horn	Jean-Louis	Faculty	Yes					Infutronic						No
Huntoon	Marc	Faculty, Planning	Yes		Saluda, Mainstay Medical, DSM and CEC Committees									No
Ihnatsenka	Barys	Faculty	Yes	Teleflex Medical										No
Ifield	Brian	Faculty	Yes					Heron Pharmaceuticals, Pacira, SPR Therapeutics, Myoscience, Teleflex, Infutronics, Smiths Medical, Summit Medical						Liposome bupivacaine use in peripheral nerve blocks
Ip	Vivian	Associate Faculty	No											No
Ivani	Giorgio	Faculty	Yes	Maquet, GE										Clonidine in children
Jackson	Heather	Faculty	No											No
Jaffe	Jonathan	Faculty	No											No
Jeng	Christina	Associate Faculty	No											No
Johnson	Rebecca	Faculty	No											Potential for discussion for use of liposomal bupivacaine for use within periarticular infiltration and use of local anesthesia adjuvants (eg. Dexmedetomidine, clonidine, epinephrine) for use in single injection peripheral nerve blockade
Kapuraj	Leonardo	Faculty	Yes		Saluda, Nevro, Abbott, Giner, Halyard			Medtronic, Nevro, Neuros Medical, Stimwave, SPR Therapeutics					Nevro (faculty for non-CME ancillary event during meeting)	No
Karmakar	Manoj	Faculty	No											No
Kopp	Sandra	Faculty, Planning, CME	No											No
Kruisselbrink	Richelle	Faculty	No											No
Kumar	Chandra	Faculty	No											No
Lai	Yan	Associate Faculty	No											No
Lavand'homme	Patricia	Faculty	No											No
Le-Wendling	Linda	Associate Faculty	No											No
Liguori	Gregory	Faculty	No											No
Lirk	Philipp	Faculty	No											No
Lopez	Ana M	Faculty	No											No
Lubenow	Timothy	Faculty	Yes		Abbott, Boston Scientific, Halyard, Medtronic									No
Ludwin	Danielle	Faculty	Yes		Heron									No
Lutz	Gregory	Faculty	Yes		BioRestorative Therapies Inc.								Orthobond Corp.	No
Macaire	Philippe	Faculty	Yes		Micrel Care									No
Mariano	Edward	Faculty, Board, Planning	No											No
McCartney	Colin	Faculty, Board	No											No
Mehta	Neel	Faculty	Yes		Nevro, DepoMed	Salix, Biodelivery Sciences	Nevro, Medtronic, Boston Scientific							No
Memtsoudis	Stavros	Faculty, Board	Yes		Sandoz				Multicatheter Infusion System		SGM Consulting, FC Monmouth			No
Missair	Andres	Faculty, Planning	Yes					Pacira						No
Moriggi	Bernhard	Faculty	Yes		B. Braun Medical, Ezono AG									No

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Mythen	Monty	Faculty	Yes	Edwards Lifesciences, Deltex Medical	Edwards Lifesciences, Deltex Medical			Smiths Medical	Patent: "Quench" patient hydration device (not yet commercialised)		Clinical Hydration Solutions Ltd, Medinspire Ltd.			No
Nader	Antoun	Faculty	No											No
Narouze	Samer	Faculty, Board	Yes		Abbott									PNS for headaches
Nazarian	Levon	Faculty	No											No
Neal	Joseph	Faculty	No											No
Nejim	Jamiel	Associate Faculty	No											No
Neuman	Mark	Faculty	No											No
Nicol	Andrea	Faculty	No											No
Niesen	Adam	Faculty	No											No
Orebaugh	Steven	Faculty	No											No
Ozelsel	Timur	Faculty	No											No
Panzer	Oliver	Associate Faculty	No											No
Parvus-Teichman	Chad	Planning, Faculty	No											No
Patel	Kiran V.	Faculty	Yes		Abbott, Nevro									No
Pawa	Amit	Faculty	Yes	GE Healthcare	B. Braun Medical									No
Peng	Philip	Faculty	Yes										Equipment Support Sonosite, Fujifilm Canada	No
Perlas	Anahi	Faculty, Board	No											No
Perruchoud	Christophe	Faculty	Yes		Medtronic			Medtronic, Abbott, Stimwave						No
Pino	Carlos	Faculty, Planning, CME	Yes		Mainstay Medical									No
Polkowski	Gregory	Faculty	Yes				DJO Orthopaedics		DJO Orthopaedics					No
Pope	Jason	Faculty	Yes		Abbott, Saluda, Flowonix, VertiFlex, Jazz Pharmaceuticals, SpineThera, SPR Therapeutics			Abbott, Flowonix, Jazz Pharmaceuticals, Mesoblast, Biontronic	Springer, Elsevier					Off label use of IT therapy and or SCS
Popovic	Jovan	Faculty	No											No
Porter	Steven	Associate Faculty	No											No
Power	John	Faculty	No											No
Provenzano	David	Faculty, Board, Planning	Yes		Abbott, Bioness, Boston Scientific, Halyard, Medtronic, Nevro			Medtronic, Abbott						No
Rathmell	James	Faculty	No											No
Rauck	Richard	Faculty	Yes		Boston Scientific, Daichii Sankyo, Egalet, Collegium, BDSI		Jazz Pharma, Daichii Sankyo, BDSI, Boston Scientific, Medtronic	Boston Scientific, Saluda, Neuros, SPR, Stimwave, Mainstay, Egalet, Shinogi, Pfizer, Nevro, St. Jude/Abbott						No
Rawal	Narinder	Faculty	Yes		Sintetica								Sintetica (faculty for non-CME ancillary event during meeting)	No
Rosenberg	Andrew	Faculty	No											No
Rosenblatt	Meg	Faculty	No											No
Rosenquist	Richard	Faculty	Yes		Mainstay Medical (clinical events committee)				UpToDate		KURE Pain Holdings LLC - Board of Directors			No
Rosenquist	Ellen	CME	Yes		Mainstay Medical (clinical events committee)				UpToDate		KURE Pain Holdings, LLC - Board of Directors			No
Sala-Blanch	Xavier	Faculty	No											No
Sauter	Axel	Faculty	Yes		B. Braun Medical, Melsungen, Phillips Healthcare				Pending royalties for multiple frequency impedance method					No
Shankar	Hariharan	Faculty	No											No
Shastri	Uma	Associate Faculty	No											No
Sherman	Jodi	Faculty	No											No
Shum	Cynthia	Faculty	No											No
Sinha	Sanjay	Faculty	Yes		Pacira	Pacira								No
Sites	Brian	Faculty, Board	No											No
Sitzman	Todd	Faculty	Yes					Nevro Corporation						No
Souza	Dmitri	Faculty	No											No
Suresh	Santhanam	Faculty	No											No
Tanaka	Christopher	Associate Faculty	No											No
Thomas	Leslie	Associate Faculty	No											No
Tsul	Ban	Faculty	Yes						Pajunk Medical					No
Udani	Ankeet	Faculty	No											No
Urmey	William	Faculty	Yes						B. Braun Medical					No
Vallejo	Ricardo	Faculty	Yes			Halyard		Medtronic			StimGenics			No
Van de Velde	Marc	Faculty, Planning	Yes	MSD, Grunenthal, Janssens	Sintetica, Nordic Pharma, Heron			Air Liquide						No
van Geffen	Geert-Jan	Faculty	Yes		B. Braun Medical, Phillips Medical Systems									No
Van Zundert	Jan	Faculty	No											No
Vandepitte-Hadzic	Catherine	Faculty	Yes					Pacira Pharma (Spouse)	B. Braun Medical, McGrawHill, Bsmart (Spouse)					No
Vasquez	Maria Isabel	Faculty, Planning	No											No
Vecchione	Tricia	Associate Faculty	No											No
Verrills	Paul	Faculty	Yes		Abbott, Nevro	Abbott, Nevro		Abbott, Nevro, Boston Scientific, Saluda Medical					Nevro (faculty for non-CME ancillary event during meeting)	No
Visan	Alexandru	Faculty	Yes								CEO, Executive Cortex Consulting			No
Viscusi	Eugene	Faculty, Board	Yes	AcelRX, Collegium	Cara, Mallinckrodt, Trevena, Salix, Eaglet Pacira, Heron	Salix, Mallinckrodt		Durect, Pacira						No
Vo	Hong	Associate Faculty	No											No
Vorenkamp	Kevin	Faculty, CME	No											No
Wallace	Mark	Faculty	Yes		Zynerba									No

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Warren	Daniel	Faculty	No											Evidence based use of Buprenorphine products and gabapentinoids for the treatment of acute pain
Weinberg	Guy	Faculty	Yes		ResQ Pharma, Inc (board of directors, consulting fees)						ResQ Pharma, Inc (equity holder)			Use of lipid emulsion for treating local anesthetic toxicity
Weller	Robert	Faculty	No											No
Wellington	Joshua	Faculty	Yes	Medtronic, Insys										No
Williams	Brian	Faculty	Yes		Zynerba, Insys			Center for Medicinal Cannabis Research						clonidine-buprenorphine-dexamethasone added to local anesthetic peripheral nerve blocks. Also midazolam nerve blocks (with CLON-BPRE-DXMS)
Wolmarans	Morné	Faculty	Yes	B. Braun Medical	BioQ Pharma, Synthetica									No
Wu	Christopher	Faculty	Yes		Trevena, CARA Therapeutics									No
Yaksh	Tony	Faculty	Yes	Gruenenthal	Teva			Medtronic, Flowonix, Asana, Sorrento, Bioswitch					Teva	No
Yokoyama	Masataka	Faculty, Planning	No											No
Zasimovich	Yury	Associate Faculty	No											No