

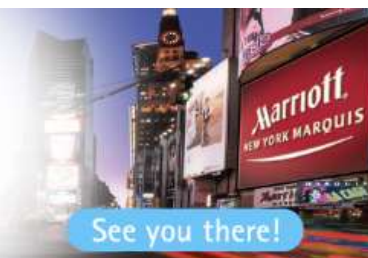


## Wednesday, April 18, 2018

	Fellow Neuromodulation Workshop (lectures)	EDRA Exam	ASRA Written Exam	ASRA Practical Exam	ASRA Practical Exam	PoCUS Workshops	Fellow Neuromodulation Workshop (hands-on)	Fellow Neuromodulation Workshop (hands-on)	
Hotel Room Name	Majestic Complex 6th floor	Manhattan 8th floor	Soho (Soho Complex) 7th floor	Empire Complex 7th floor		Gramercy (Soho Complex) 7th floor	Astor Ballroom A 7th floor	Astor Ballroom B 7th floor	
7:00 AM	Registration Open								
7:15 AM									
7:30 AM	<small>TICKET</small> Fellow Neuromodulation Cadaver Workshop (by invitation)					<small>TICKET</small> Pre-01 Half-Day Special Session Workshop			
7:45 AM	<b>Welcome and Introductory Lectures and Panel Discussions (all)</b>	<b>Welcome and Registration Exam Candidates 1-9</b>				<b>Introduction to Perioperative Point-of-Care Ultrasound: Airway, Lung, Diaphragm, Gastric, eFAST</b>	<small>TICKET</small> Fellow Neuromodulation Cadaver Workshop (by invitation) <b>Group B: Neuromodulation Techniques Cadaver Lab</b>		
8:00 AM		<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 6-9</b>					
8:15 AM		<small>TICKET</small> EDRA Exam Registration	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
8:30 AM		<small>TICKET</small> European Diploma in Regional Anesthesia & Acute Pain Management (EDRA)	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
8:45 AM	<b>Group A: Interactive Lectures and Panel Discussions</b>	<b>Part 1 Written Exam</b>	<b>Break Exam Candidates 1-9</b>				<small>TICKET</small> Fellow Neuromodulation Cadaver Workshop (by invitation) <b>Group A: Neuromodulation Techniques Cadaver Lab</b>		
9:00 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
9:15 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
9:30 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
9:45 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
10:00 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
10:15 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
10:30 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
10:45 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
11:00 AM			<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<small>TICKET</small> ASRA Pain and MSK Interventional Ultrasound Certificate	<b>Practical Exam Candidates 1-5</b>				
11:15 AM	<b>Lunch on Own</b>								
11:30 AM	<b>Lunch on Own</b>								
11:45 AM	<b>Lunch on Own</b>								
12:00 PM	<b>Lunch on Own</b>								
12:15 PM	<b>Lunch on Own</b>								
12:30 PM	<small>TICKET</small> Fellow Neuromodulation Cadaver Workshop (by invitation)					<small>TICKET</small> Pre-02 Half-Day Special Session Workshop			
12:45 PM	<b>Group B: Interactive Lectures and Panel Discussions</b>					<b>Introduction to Focused Cardiac Ultrasound (FoCUS)</b>	<small>TICKET</small> Fellow Neuromodulation Cadaver Workshop (by invitation) <b>Group A: Neuromodulation Techniques Cadaver Lab</b>		
1:00 PM									
1:15 PM									
1:30 PM									
1:45 PM									
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2:15 PM									
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3:00 PM									
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3:45 PM									
4:00 PM									
4:15 PM									
4:30 PM	<small>TICKET</small> Happy Hour Reception (all) <b>16th Floor Sky Lobby Lounge</b>					<small>TICKET</small> Happy Hour Reception (all) <b>16th Floor Sky Lobby Lounge</b>			
4:45 PM									
5:00 PM									
5:15 PM									
5:30 PM									



2018  
World Congress on  
**REGIONAL ANESTHESIA & PAIN MEDICINE**  
ASRA's 43rd  
Annual Regional Anesthesiology & Acute Pain Medicine Meeting  
April 19-21, 2018, New York Marriott Marquis, New York City, USA



## Pre-Congress Special Sessions Wednesday, April 18, 2018

*(additional fee, physicians only)*

7:30 am - 6:00 pm	Workshop Coordinators	Sandra Kopp, MD; Daniel Warren, MD	
7:30 am - 6:00 pm	<b>ASRA Advanced Neuromodulation Comprehensive Hands-on Workshop with Practical Case Management for the Future Implanters</b> (by invitation)	Lead: David Provenzano, MD	Majestic (lectures) 6th floor Astor (workshop) 7th floor non-CME
		Asokumar Buvanendran, MD Timothy Deer, MD Sam Eldabe, MD Steven Falowski, MD Jay Grider, MD Salim Hayek, MD Marc Huntoon, MD Timothy Lubenow, MD Neel Mehta, MD Kiran Patel, MD Carlos Pino, MD Jason Pope, MD Todd Sitzman, MD Michael Harned, MD Paul Verrills, MBBS Mark Wallace, MD Joshua Wellington, MD	
8:00 am - 12:00 pm	ASRA Pain and MSK Interventional Ultrasound Certificate <b>Written and Practical Exam: Candidates 1-9</b>	Lead: Philip Peng, MD	Soho (written) Empire (practical) 7th floor non-CME
		Anuj Bhatia, MD Steven P. Cohen, MD Levon Nazarian, MD	
9:00 am - 1:00 pm	European Diploma in Regional Anesthesia & Acute Pain Management (EDRA) <b>Part 1 Written Exam</b>	Proctor: Narinder Rawal, MD	Manhattan 8th floor non-CME
9:00 am	Registration		
10:00 am	Exam		
1:00 PM	Adjournment		
8:00 am - 12:00 pm	Pre-01 Half-Day Special Session Workshop (\$395) <b>Introduction to Perioperative Point-of-Care Ultrasound: Airway, Lung, Diaphragm, Gastric, eFAST</b>	Lead: Jan Boublik, MD	Gramercy (Soho Complex) 7th floor 4 credits POC
	Introductory Lectures: Airway, Lung, Diaphragm, Gastric, FAST Exam Station Rotations: 1. Airway 2. Lung 3. Diaphragm 4. Gastric 5. eFAST	Javier Cubillos, MD Carrie Guheen, MD Stephen Haskins, MD Richelle Kruisselbrink, MD Ban Tsui, MD	
1:00 pm - 5:00 pm	Pre-02 Half-Day Special Session Workshop (\$395) <b>Introduction to Focused Cardiac Ultrasound (FoCUS)</b>	Lead: Stephen Haskins, MD	Gramercy (Soho Complex) 7th floor 4 credits POC
1:05 pm	Introduction to FoCUS Views and Image Optimization: Subcostal 4 Chamber/IVC,	Faculty: Jan Boublik, MD	Associate Faculty: Sean Garvin, MD
1:30 pm	Scanning Session 1: Knobology, FoCUS Views, Pleural Scanning	Carrie Guheen, MD Richelle Kruisselbrink, MD	Jemiel Nejim, MD Christopher Tanaka, MD
3:00 pm	Introduction to M-Mode and Ventricular Assessment: M-Mode, Mitral and Tricuspid Annular Plane Systolic Excursion (MAPSE and TAPSE)		
3:15 pm	Scanning Session 2: Knobology, Repeat FoCUS Views, Pleural Scanning M-Mode in Apical 4-Chamber (MAPSE/TAPSE)		
4:30 pm	Putting It All Together: Clinical Scenarios, Q & A		





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See you there!

**Thursday, April 19, 2018**

	Room 1 RA-Acute Pain Parallel A	Room 2 Chronic Pain Parallel B	Room 3 RA-Acute Pain Parallel C	Room 4 RA-Acute Pain Parallel D	Room 5 Chronic Pain Parallel E	Room 6 Not in Use Soho (Soho Complex) 7th floor	Room 7 Workshops Chelsea (Empire Complex) 7th floor	Room 8 Workshops Empire (Empire Complex) 7th floor	Room 9 Workshops Gramercy (Soho Complex) 7th floor	Room 10 Workshops Astor A 7th floor	Room 11 Workshops Astor B 7th floor	Room 12 Workshops Columbia 7th floor	Room 13 Moderated ePosters A Shubert (Shubert Complex) 6th floor	Room 14 Moderated ePosters B Urish (Shubert Complex) 6th floor	Room 15 Moderated ePosters C Plymouth (Shubert Complex) 6th floor
7:00 AM	<b>Getting Started</b> Registration and Breakfast in Foyer														
7:15 AM	<b>Getting Started</b> Registration and Breakfast in Foyer														
7:30 AM	<b>Getting Started</b> Registration and Breakfast in Foyer														
7:45 AM	<b>Getting Started</b> Registration and Breakfast in Foyer														
8:00 AM															
8:15 AM	PS-01a RA-Acute Pain Parallel Session	PS-01b Chronic Pain Parallel Session	PS-01c RA-Acute Pain Parallel Session	PS-01d RA-Acute Pain Parallel Session		TICKET WS-49 RA-Acute Pain Interactive Demonstration Workshop <b>Uncommon Blocks</b>	TICKET WS-03 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Upper Limb Surgery (Ultrasound-Based)</b>	TICKET WS-04 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Breast and Chest Wall Surgery (Ultrasound- Based)</b>	TICKET WS-05 RA-Acute Pain Half-Day Comprehensive Workshop <b>Lower Extremity Blocks</b>	TICKET WS-06 RA-Acute Pain Half-Day Cadaver Workshop <b>Needing Hands-On Practice</b>	TICKET WS-01 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) <b>Basic Pain Management Injections in the Spine</b>	TICKET WS-02 Chronic Pain Hands-On Ultrasound Workshop (live model) <b>Basic Ultrasound-Guided Pain Procedures</b>	MP-01a <b>Moderated ePosters</b>	MP-01b <b>Moderated ePosters</b>	MP-01c <b>Moderated ePosters</b>
8:30 AM															
8:45 AM	<b>Block Success: Needle and Injection Endpoints</b>	<b>Opioid-Induced Hyperalgesia and Tolerance</b>	<b>Pro/Con Debate: Regional vs. General Anesthesia</b>	<b>Pediatric Regional Anesthesia and Pain Management SIG Panel</b>											
9:00 AM															
9:15 AM															
9:30 AM															
9:45 AM	<b>Break and Refreshments in Foyer</b>														
10:00 AM	<b>Break and Refreshments in Foyer</b>														
10:15 AM															
10:30 AM	PS-02a RA-Acute Pain Parallel Session	PS-02b Chronic Pain Parallel Session	PS-02c RA-Acute Pain Parallel Session	PS-02d RA-Acute Pain Parallel Session		TICKET WS-50 RA-Acute Pain Interactive Demonstration Workshop <b>Advanced Block Techniques for Shoulder Surgery</b>	TICKET WS-09 RA-Acute Pain Interactive Demonstration Workshop <b>Introductory Ultrasound of Spine</b>	TICKET WS-10 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Upper Limb Surgery (Nerve Stimulation-Based)</b>			TICKET WS-07 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) <b>Basic Neuromodulation</b>	TICKET WS-08 Chronic Pain Hands-On Ultrasound Workshop (live model) <b>Ultrasound for Spine Pain Procedures</b>	MP-02a <b>Moderated ePosters</b>	MP-02b <b>Moderated ePosters</b>	MP-02c <b>Moderated ePosters</b>
10:45 AM															
11:00 AM	<b>Block Safety: Neurologic Complications</b>	<b>Transition of Acute to Chronic Pain</b>	<b>Enhanced Recovery After Major Colorectal Surgery</b>	<b>Perioperative Point-of-Care Ultrasound SIG Panel</b>											
11:15 AM															
11:30 AM															
11:45 AM	<b>Break and Refreshments in Foyer</b>														
12:00 PM	<b>Break and Refreshments in Foyer</b>														
12:15 PM	<b>Break and Refreshments in Foyer</b>														
12:30 PM	<b>Break and Refreshments in Foyer</b>														
12:45 PM	<b>Break and Refreshments in Foyer</b>														
1:00 PM	<b>Break and Refreshments in Foyer</b>														
1:15 PM															
1:30 PM	PS-03a RA-Acute Pain Parallel Session	PS-03b Chronic Pain Parallel Session	PS-03c RA-Acute Pain Parallel Session	PS-03d RA-Acute Pain Parallel Session	PS-03e Chronic Pain Parallel Session		TICKET WS-51 RA-Acute Pain Interactive Demonstration Workshop <b>Introductory Ultrasound of Spine</b>	TICKET WS-12 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Ultrasound-Based)</b>	TICKET WS-13 RA-Acute Pain Half-Day Comprehensive Workshop <b>Upper Extremity Blocks</b>	TICKET WS-14 RA-Acute Pain Half-Day Cadaver Workshop <b>Needing Hands on Practice</b>	TICKET WS-15 Chronic Pain Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model) <b>Interventional Cancer Pain Management</b>	TICKET WS-52 Chronic Pain Hands-On Ultrasound Workshop (live model) <b>Basic Ultrasound-Guided Pain Procedures</b>	MP-03a <b>Moderated ePosters</b>	MP-03b <b>Moderated ePosters</b>	MP-03c <b>Moderated ePosters</b>
1:45 PM															
2:00 PM	<b>Acute Pain Management</b>	<b>Low Back Pain: Advances in Treatment</b>	<b>Enhanced Recovery Pathway for Total Knee Arthroplasty: A 360° Roundtable Discussion</b>	<b>3rd ASRA Local Anesthetic Systemic Toxicity (LAST) Practice Advisory</b>	<b>Complex Regional Pain Syndrome</b>										
2:15 PM															
2:30 PM															
2:45 PM															
3:00 PM	<b>Break and Refreshments in Foyer</b>														
3:15 PM	<b>Break and Refreshments in Foyer</b>														
3:30 PM															
3:45 PM	Special Session ASA Presidential Address <b>The ASA in 2018: At Home and Abroad</b>	PS-04b Chronic Pain Parallel Session			PS-04e Chronic Pain Parallel Session		TICKET WS-16 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Nerve Stimulation-Based)</b>	TICKET WS-17 RA-Acute Pain Interactive Demonstration Workshop <b>Uncommon Blocks</b>							
4:00 PM															
4:15 PM		<b>Regenerative Medicine Symposium: Sports Medicine/Injury</b>			<b>Ultrasonography in Pain Medicine SIG Panel: Advances in MSK Imaging and Interventions</b>										
4:30 PM	Special Session <b>Labat Award Lecture New Perspectives in Regional Anesthesia</b>														
4:45 PM															
5:00 PM	<b>Opening Ceremony</b>														
5:15 PM	<b>Opening Ceremony</b>														
5:30 PM	<b>Opening Ceremony</b>														
5:45 - 7:00 PM	Special Event <b>Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening</b>														



## Friday, April 20, 2018

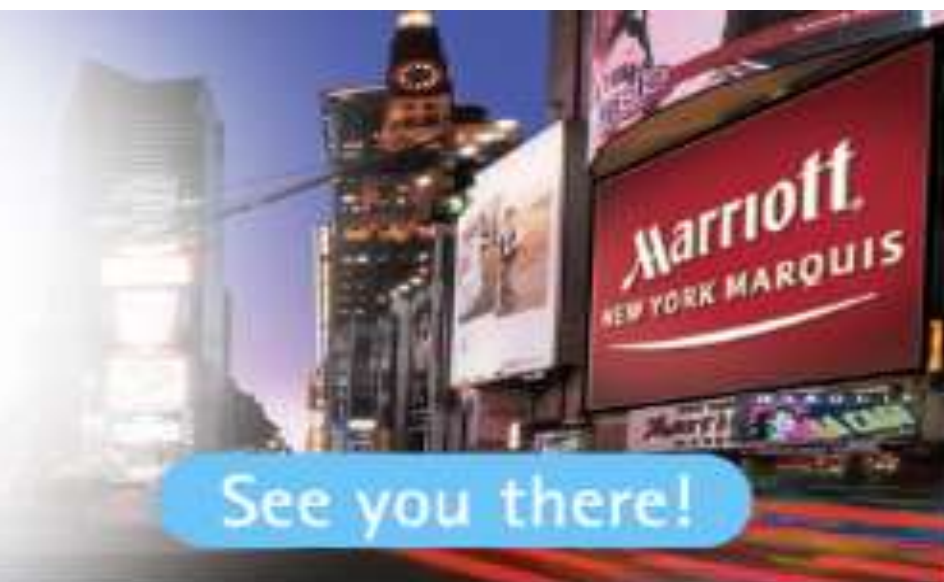
Activity	Room 1 RA-Acute Pain Parallel A	Room 2 Chronic Pain Parallel B	Room 3 RA-Acute Pain Parallel C	Room 4 RA-Acute Pain Parallel D	Room 5 Chronic Pain Parallel E	Room 6 Workshops	Room 7 Workshops	Room 8 Workshops	Room 9 Workshops	Room 10 Workshops	Room 11 Workshops	Room 12 Workshops	Room 13 Moderated ePosters A	Room 14 Moderated ePosters B	Room 15 Moderated ePosters C
Hotel Room Name	Broadway North 6th floor	Broadway South 6th floor	Majestic Complex 6th floor	Manhattan 8th floor	Liberty 8th floor	Soho (Soho Complex) 7th floor	Chelsea (Empire Complex) 7th floor	Empire (Empire Complex) 7th floor	Gramercy (Soho Complex) 7th floor	Astor A 7th floor	Astor B 7th floor	Columbia 7th floor	Shubert (Shubert Complex) 6th floor	Uris (Shubert Complex) 6th floor	Plymouth (Shubert Complex) 6th floor
7:00 AM															
7:15 AM		<b>Halyard Health Non-CME Ancillary Event</b> (breakfast included)													
7:30 AM															
7:45 AM	<b>Getting Started</b> Registration in Foyer					<b>Getting Started</b> Registration in Foyer					<b>Getting Started</b> Registration in Foyer				
8:00 AM	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall														
8:15 AM	PS-05a RA-Acute Pain Parallel Session	PS-05b Chronic Pain Parallel Session	PS-05c RA-Acute Pain Parallel Session	PS-05d RA-Acute Pain Parallel Session	PS-05e Chronic Pain Parallel Session	TICKET WS-18 RA-Acute Pain Half-Day Simulation Workshop	TICKET WS-53 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-19 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-20 RA-Acute Pain Hands-On Workshop	TICKET WS-21 RA-Acute Pain Half-Day Cadaver Workshop	TICKET WS-22 Chronic Pain Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model)	TICKET WS-23 Chronic Pain Half-Day Ultrasound Workshop (live model)	MP-05a <b>Moderated ePosters</b>	MP-05b <b>Moderated ePosters</b>	MP-05c <b>Moderated ePosters</b>
8:30 AM															
8:45 AM	<b>How I Do It: Tips for Experts by Experts for Peripheral Nerve and Intermuscular Plane Blocks</b>	<b>Neuromodulation SIG Panel: Making Neuromodulation Therapy Work</b>	<b>Best Practice for Neuraxial Anesthesia and Analgesia</b>	<b>Outpatient / Fast-Track Joint Replacement Surgery: Expert Panel Discussion</b>	<b>Member Submitted Panel: Challenging Centralized Pain Syndromes - Where Are We in 2018?</b>				<b>High-Fidelity Simulator for Thoracic Blocks</b>	<b>Needing Hands-On Practice</b>					
9:00 AM															
9:15 AM															
9:30 AM	<b>Break in Exhibit Hall</b> Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café														
9:45 AM	<b>New Member Meet and Greet in Chat Room</b>														
10:00 AM															
10:15 AM	PS-06a RA-Acute Pain Parallel Session	PS-06b Chronic Pain Parallel Session	PS-06c RA-Acute Pain Parallel Session		PS-06e Chronic Pain Parallel Session		TICKET WS-24 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-25 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-26 RA-Acute Pain Hands-On Workshop		TICKET WS-27 Chronic Pain Hands-on Fluoroscopy Workshop (cadaver)		MP-06a <b>Moderated ePosters</b>	MP-06b <b>Moderated ePosters</b>	MP-06c <b>Moderated ePosters</b>
10:30 AM															
10:45 AM															
11:00 AM	<b>How I Do It: Tips for Experts by Experts for Paravertebral and Neuraxial Blocks</b>	<b>Neuropathic Pain</b>	<b>Perioperative Surgical Home (PSH) and the Evolution of Perioperative Medicine Worldwide</b>		<b>Intrathecal Therapy Panel</b>				<b>High-Fidelity Simulator for Thoracic Blocks</b>						
11:15 AM															
11:30 AM															
11:45 AM															
12:00 PM	<b>Recro Pharma Non-CME Ancillary Event</b> (lunch included)	<b>Nevro Non-CME Ancillary Event</b> (lunch included)				<b>Lunch on Own</b>									
12:15 PM															
12:30 PM															
12:45 PM															
1:00 PM															
1:15 PM	PS-07a RA-Acute Pain Parallel Session	PS-07b Chronic Pain Parallel Session	PS-07c RA-Acute Pain Parallel Session	PS-07d RA-Acute Pain Parallel Session		TICKET WS-28 RA-Acute Pain Half-Day Simulation Workshop	TICKET WS-29 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-30 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-31 RA-Acute Pain Half-Day Comprehensive Workshop	TICKET WS-54 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver)	TICKET WS-33 Chronic Pain Hands-On Ultrasound Workshop (cadaver, live model)	TICKET WS-34 Chronic Pain Half-Day Fluoroscopy & Ultrasound Workshop (cadaver, live model)	MP-07a <b>Moderated ePosters</b>	MP-07b <b>Moderated ePosters</b>	MP-07c <b>Moderated ePosters</b>
1:30 PM															
1:45 PM															
2:00 PM	<b>Pharmacology Update: Local Anesthetic and Adjuncts</b>	<b>Pro/Con Debate: Chronic Pain Management Controversies</b>	<b>Pro/Con Debate: Regional Anesthesia vs. General Anesthesia Outcome Controversies</b>	<b>Education in Regional Anesthesia and Acute Pain: International Perspectives</b>					<b>Truncal-Paravertebral Blocks</b>						
2:15 PM															
2:30 PM															
2:45 PM	<b>Break in Exhibit Hall</b> Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café														
3:00 PM	<b>PA/NP/Nursing Meet and Greet</b>														
3:15 PM															
3:30 PM	PS-08a RA-Acute Pain Parallel Session	PS-08b Chronic Pain Parallel Session	PS-08c RA-Acute Pain Parallel Session		PS-08e Chronic Pain Parallel Session		TICKET WS-35 RA-Acute Pain Interactive Demonstration Workshop	TICKET WS-36 RA-Acute Pain Interactive Demonstration Workshop		TICKET WS-37 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver)	TICKET WS-55 Chronic Pain Hands-On Ultrasound Workshop (cadaver, live model)		MP-08a <b>Moderated ePosters</b>	MP-08b <b>Moderated ePosters</b>	MP-08c <b>Moderated ePosters</b>
3:45 PM															
4:00 PM															
4:15 PM	<b>Pharmacology Update: Hemostasis Altering Drugs and Regional Anesthesia Safety</b>	<b>The Opioid Epidemic: Global Perspective on the Appropriate Use of Chronic Opioids</b>	<b>Pro/Con Debate: Regional Analgesia Controversies</b>		<b>Relevant Anatomy and Imaging to Improve Success in Pain Diagnosis and Treatment</b>										
4:30 PM															
4:45 PM															
5:00 PM															
5:15 - 6:30 PM	Special Event <b>Resident/Fellow and Fellowship Directors Meet and Greet</b> 16th Floor Sky Lobby										Special Event <b>Resident/Fellow Fellowship Directors Meet and Greet</b> 16th Floor Sky Lobby				





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**Saturday, April 21, 2018**

Activity	Room 1 RA-Acute Pain Parallel A	Room 2 Chronic Pain Parallel B	Room 3 RA-Acute Pain Parallel C	Room 4 RA-Acute Pain Parallel D	Room 5 PA/NP/Nursing Program	Room 6 Interactive Sessions	Room 7 NYSORA Workshop	Room 8 NYSORA Workshop	Room 9 Workshops	Room 10 Workshops	Room 12 Workshops	Room 13 Moderated ePosters A	Room 14 Moderated ePosters B	Room 15 Moderated ePosters C	
Hotel Room Name	Broadway North 6th floor	Broadway South 6th floor	Majestic Complex 6th floor	Manhattan 8th floor	Liberty 8th floor	Soho (Soho Complex) 7th floor	Chelsea (Empire Complex) 7th floor	Empire (Empire Complex) 7th floor	Gramercy (Soho Complex) 7th floor	Astor Ballroom 7th floor	Columbia 7th floor	Shubert (Shubert Complex) 6th floor	Uts (Shubert Complex) 6th floor	Plymouth (Shubert Complex) 6th floor	
7:30 AM	<b>Getting Started</b> Registration in Foyer														
7:45 AM	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall														
8:00 AM	PS-09a RA-Acute Pain Parallel Session	PS-09b Chronic Pain Parallel Session	PS-09c RA-Acute Pain Parallel Session	PS-09d RA-Acute Pain Parallel Session	PA/NP/Nursing Program <b>Update on Opioids</b>	IS-01 Ask-the-Expert Interactive Session <b>Stress Management</b>	TICKET WS-38 The New York School of Regional Anesthesia (NYSORA) Half-Day Workshop <b>3D Anatomy and Lower Abdominal and Extremity Blocks</b>	TICKET WS-39 Chronic Pain Resident/Fellow Workshop <b>Fluoroscopy-Guided Injections</b>	TICKET WS-40 RA-Acute Pain Resident/Fellow Workshop <b>Regional Anesthesia and Perioperative Point-of-Care Ultrasound</b>	TICKET WS-41 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Breast and Chest Wall Surgery (Ultrasound-Based)</b>	MP-09a <b>Moderated ePosters</b>	MP-09b <b>Moderated ePosters</b>	MP-09c <b>Moderated ePosters</b>		
8:15 AM	<b>Innovations in Regional Anesthesia</b>	<b>Advances in Neuromodulation: International Neuromodulations Society (INS) Panel</b>	<b>Procedure Specific Pain Therapy: Evidence-Based Recommendations</b>	<b>Obstetrics Forum</b>											
8:30 AM															
8:45 AM															
9:00 AM															
9:15 AM	<b>Break in Exhibit Hall</b> Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café														
9:30 AM															
9:45 AM															
10:00 AM															
10:15 AM	PS-10a RA-Acute Pain Parallel Session	PS-10b Chronic Pain Parallel Session	PS-10c RA-Acute Pain Parallel Session	PS-10d RA-Acute Pain Parallel Session	PA/NP/Nursing Program <b>Chronic Low Back Pain (LBP)</b>	IS-02 Ask-the-Expert Interactive Session <b>Catheter Management Issues</b>	TICKET WS-42 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) <b>Minimally Invasive Lumbar Decompression (MILD)</b>	TICKET WS-43 RA-Acute Pain Interactive Demonstration Workshop <b>Head and Airway Blocks</b>	MP-10a <b>Moderated ePosters</b>	MP-10b <b>Moderated ePosters</b>	MP-10c <b>Moderated ePosters</b>				
10:30 AM	<b>Newer Block Techniques: Why and How Well Do They Work?</b>	<b>Headache SIG Panel: Modern Headache Care Collaboration Between Neurology and Interventional Pain</b>	<b>Acute Pain Management: Best Practice for Intravenous Analgesics</b>	<b>Defining Outcomes that Matter to Regional Anesthesia: An International Discussion</b>											
10:45 AM															
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12:00 PM	<b>Lunch on Own</b>														
12:15 PM															
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1:00 PM															
1:15 PM	PS-11a RA-Acute Pain Parallel Session	PS-11b Chronic Pain Parallel Session	PS-11c RA-Acute Pain Parallel Session	PS-11d Chronic Pain Parallel Session	PA/NP/Nursing Program <b>Current Low Back Pain Interventions</b>	IS-03 Ask-the-Expert Interactive Session <b>Acute Pain Management for the Challenging Patient</b>	TICKET WS-11 RA-Acute Pain Interactive Demonstration Workshop <b>Pearls for Pediatric Regional Anesthesia</b>	TICKET WS-56 RA-Acute Pain Interactive Demonstration Workshop <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Ultrasound-Based)</b>	TICKET WS-44 RA-Acute Pain Half-Day Cadaver Workshop <b>Dissection and Anatomy</b>	TICKET WS-45 Chronic Pain Resident/Fellow Workshop <b>Ultrasound-Guided Injections</b>	TICKET WS-46 RA-Acute Pain Interactive Demonstration Workshop <b>New Blocks: Retrolaminar, Erector Spinae, iPack, Costoclavicular, Retroclavicular BP</b>	MP-11a <b>Moderated ePosters</b>	MP-11b <b>Moderated ePosters</b>	MP-11c <b>Moderated ePosters</b>	
1:30 PM	<b>Complications After Regional Anesthesia and Surgery</b>	<b>Complications of Chronic Pain Management and Medico-Legal Cases</b>	<b>Innovations in Acute Pain Management: Part I</b>	<b>Current Status of Radiofrequency</b>											
1:45 PM															
2:00 PM															
2:15 PM															
2:30 PM	<b>Break in Foyer</b>														
2:45 PM															
3:00 PM															
3:15 PM															
3:30 PM	PS-12a RA-Acute Pain Parallel Session	PS-12b Chronic Pain Parallel Session	PS-12c RA-Acute Pain Parallel Session	PS-12d Chronic Pain Parallel Session	PA/NP/Nursing Program <b>Providing Care to Special Populations</b>	IS-04 Ask-the-Expert Interactive Session <b>Green Anesthesia: The Leading Role of Regional Anesthesia</b>	TICKET WS-48 RA-Acute Pain Interactive Demonstration Workshop <b>Pearls for Pediatric Regional Anesthesia</b>				TICKET WS-47 RA-Acute Pain Interactive Demonstration Workshop <b>Ultrasound Diagnosis of Pneumothorax and Diaphragmatic Paresis</b>	MP-12a <b>Moderated ePosters</b>	MP-12b <b>Moderated ePosters</b>	MP-12c <b>Moderated ePosters</b>	
3:45 PM	<b>Regional Anesthesia Related Complications and Medico-Legal Issues</b>	<b>Cancer Pain</b>	<b>Innovation in Acute Pain Management: Part II</b>	<b>Marijuana and Cannaboids in Chronic Pain Management</b>											
4:00 PM															
4:15 PM															
4:30 PM															
4:45 PM															
7:00-10:00 PM	Special Event <b>World Congress Closing Celebration Overlooking Times Square</b> 8th Floor Lounge														





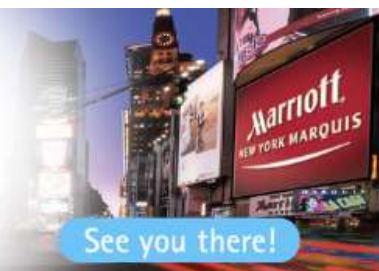
See you there!

## Main Meeting Thursday, April 19, 2018

<b>7:00 am - 8:00 am</b>	<b>Registration and Breakfast in Foyer</b>		
<b>8:00 am - 9:45 am</b>	<b>PS-01a RA-Acute Pain Parallel Session Block Success: Needle and Injection Endpoints</b>	Moderator: Brian Sites, MD	Broadway North 6th floor
8:00 am	Upper and Lower Limb Blocks: Plexus and Peripheral Nerve	Jeffrey Gadsden, MD	1.75 credits
8:25 am	Truncal Blocks: Intermuscular Plane in Thorax and Abdomen	Jens Børglum, MD	
8:50 am	Paravertebral and Neuraxial Blocks	Manoj Karmakar, MD, FRCA	
9:15 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:45 am</b>	<b>PS-01b Chronic Pain Parallel Session Opioid-Induced Hyperalgesia and Tolerance</b>	Moderator: Eugene Viscusi, MD	Broadway South 6th floor
8:00 am	Basic Science Evidence and Mechanisms	David Clark, MD	1.75 credits
8:40 am	Clinical Relevance	Oscar de Leon-Casasola, MD	
9:00 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:45 am</b>	<b>PS-01c RA-Acute Pain Parallel Session Pro/Con Debate: Regional vs. General Anesthesia</b>	Moderator: Narinder Rawal, MD	Majestic Complex
8:00 am	Fractured Hip Surgery	(RA) Mark Neuman, MD (GA) Amit Pawa, MD	1.75 credits
8:30 am	Breast Cancer Surgery	(RA) Faraj Abdallah, MD (GA) Christopher Wu, MD	
9:00 am	Arthroscopic Shoulder Surgery	(RA) Sandra Kopp, MD (GA) Geert-Jan van Geffen, MD	
9:30 am	Best of Meeting Abstracts 4877 and 5222		
<b>8:00 am - 9:45 am</b>	<b>PS-01d RA-Acute Pain Parallel Session Pediatric Regional Anesthesia and Pain Management SIG Panel</b>	Moderator: Karen Boretsky, MD	Manhattan 8th floor
8:00 am	Pediatric Regional Anesthesia Guidelines and Consensus Statements	Giorgio Ivani, MD	1.75 credits
8:20 am	Safety and Efficacy of Regional Anesthesia in Infants and Children	Karen Boretsky, MD	
8:40 am	Acute Pain Services in Children: ERAS	Santhanam Suresh, MD	
9:00 am	Regional Anesthesia and Interventions for Pediatric Chronic Pain and Palliative Care	Charles Berde, MD	
9:20 am	Panel Discussion and Open Forum		
<b>9:45 am - 10:15 am</b>	<b>Break and Refreshments in Foyer</b>		
<b>10:15 am - 11:45 am</b>	<b>PS-02a RA-Acute Pain Parallel Session Block Safety: Neurologic Complications</b>	Moderator: Brian Sites, MD	Broadway North 6th floor
10:15 am	Upper and Lower Limb Blocks: Plexus and Peripheral Nerve - Risk Factors, Etiology, Mechanisms	Richard Brull, MD	1.5 credits 
10:30 am	Neuraxial Blocks: Low Back Pain / Spinal Stenosis	Joseph Neal, MD	
10:45 am	Patients with Preexisting Neurologic Symptoms: Diabetes, MS, Chemotherapy	Sandra Kopp, MD	
11:00 am	Lessons Learned from Patient Registries / Databases	Michael Barrington, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-02b Chronic Pain Parallel Session Transition of Acute to Chronic Pain</b>	Moderator: David Clark, MD	Broadway South 6th floor
10:15 am	Basic Science Evidence and Mechanisms	Patricia Lavand'homme, MD	1.5 credits
10:45 am	Clinical Challenges: Prevention and Treatment	Asokumar Buvanendran, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-02c RA-Acute Pain Parallel Session Enhanced Recovery After Major Colorectal Surgery</b>	Moderator: Nabil Elkassabany, MD	Majestic Complex
10:15 am	Principles and Preoperative Patient Optimization	Tong Joo (TJ) Gan, MD	1.5 credits
10:30 am	ERAS and the Surgical Goals (Surgical Techniques, Blood Loss, DVT Prophylaxis, Drains)	Mitchell Bernstein, MD	
10:45 am	Specific Anesthesia and Analgesia Strategies (IV Fluid, Hypotension, Temperature, Analgesia in General)	Monty Mythen, MD	
11:00 am	Anesthesiology-Related Controversies in ERAS Pathways	Christopher Wu, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-02d RA-Acute Pain Parallel Session Perioperative Point-of-Care Ultrasound SIG Panel</b>	Moderator: Jan Boublik, MD	Manhattan 8th floor
10:15 am	Lung Ultrasound to Evaluate Post Block Respiratory Distress	Oliver Panzer, MD	1.5 credits
10:35 am	Gastric Ultrasound and FAST for Abdominal Assessment	Anahi Perlas, MD	
10:55 am	Focused Transthoracic Echocardiography (FATE) for Perioperative Hemodynamic	Stephen Haskins, MD	
11:15 am	Panel Discussion and Open Forum		



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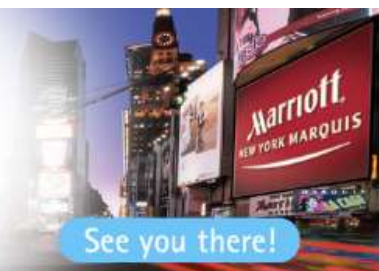
See you there!

11:45 am - 1:15 pm	Lunch On Own		
or			
12:00 pm - 1:00 pm	<b>Problem-Based Learning Discussions (PBLDs) Luncheon</b> (open to all, tickets \$90, includes lunch, see list)		
1:15 pm - 3:00 pm	PS-03a RA-Acute Pain Parallel Session <b>Acute Pain Management</b>	Moderator: Andres Missair, MD	Broadway North 6th floor
1:15 pm	Update on Multimodal Analgesia	Eugene Viscusi, MD	1.75 credits
1:40 pm	Obstructive Sleep Apnea	Patricia Lavand'homme, MD	
2:05 pm	Major Spine Surgery	Christopher Gharibo, MD	
2:30 pm	Panel Discussion and Open Forum		
1:15 pm - 3:00 pm	PS-03b Chronic Pain Parallel Session <b>Low Back Pain: Advances in Treatment</b>	Moderator: Ricardo Vallejo, MD	Broadway South 6th floor
1:15 pm	Mechanisms of Discogenic, Facet, and Failed Back Surgery Syndrome	Steven P. Cohen, MD	1.75 credits
1:50 pm	Update on Interventional Treatment Strategies	Jan Van Zundert, MD	
2:25 pm	Panel Discussion and Open Forum		
1:15 pm - 3:00 pm	PS-03c RA-Acute Pain Parallel Session <b>Enhanced Recovery for Total Knee Arthroplasty: A 360° Roundtable Discussion</b>	Moderators: Gregory Liguori, MD	Complex 6th floor
	The Surgeon's Perspective	Michael Bolognesi, MD	1.75 credits
		Gregory Polkowski, MD	
	The Anesthesiologist's Perspective	Nabil Elkassabany, MD	
	The Patient's Perspective: The Good and the Bad	Martha T. DelPizzo, Ed.D	
	Other Perspectives and Variables Influencing Outcomes	Rebecca Johnson, MD	
1:15 pm - 3:00 pm	PS-03d Chronic Pain Parallel Session <b>Local Anesthetic Systemic Toxicity (LAST): A Paradigm in Evolution</b>	Moderator: Brian Sites, MD	Manhattan 8th floor
1:15 pm	Overview: Mechanisms of Lipid Resuscitation	Guy Weinberg, MD	1.75 credits
1:35 pm	Clinical Presentation and Features	Michael Barrington, MD	
1:55 pm	Incidence, Registries, and Community Risk	Stavros Memtsoudis, MD	
2:15 pm	ASRA LAST Checklist and Conclusions	Joseph Neal, MD	
2:35 pm	Panel Discussion and Open Forum		
1:15 pm - 3:00 pm	PS-03e Chronic Pain Parallel Session <b>Complex Regional Pain Syndrome</b>	Moderator: Leonardo Kapural, MD	Liberty 8th floor
1:15 pm	Current Understanding of Pathophysiology	David Clark, MD	1.75 credits
1:50 pm	Interventional Treatments: Understanding the Evidence	Timothy Lubenow, MD	
2:25 pm	Panel Discussion and Open Forum		
3:00 pm - 3:30 pm	<b>Break and Refreshments in Foyer</b>		
3:30 pm - 4:15 pm	Special Session <b>American Society of Anesthesiologists Presidential Address</b>	Moderator: Asokumar Buvandendran, MD	Broadway North 6th floor
	The ASA in 2018: At Home and Abroad	James Grant, MD	.75 credits
3:30 pm - 5:00 pm	PS-04b Chronic Pain Parallel Session <b>Regenerative Medicine Symposium: Sports Medicine / Injury</b>	Moderator: Dmitri Souza, MD	Broadway South 6th floor
3:30 pm	Regenerative Medicine: Key Concepts and Regulatory Landscape	Aaron Calodney, MD	1.5 credits
3:45 pm	Biologics and Sports Medicine: What Works?	Brian Cole, MD	
4:00 pm	Data on Intradiscal Biologics for Lumbar Disc Disease	Gregory Lutz, MD	
4:15 pm	Regenerative Medicine for Tendon and Joint Pain	Dmitri Souza, MD	
4:30 pm	Panel Discussion and Open Forum		
3:30 pm - 5:00 pm	PS-04e Chronic Pain Parallel Session <b>Ultrasonography in Pain Medicine SIG Panel: Advances in MSK Imaging and Interventions</b>	Moderator: Samer Narouze, MD, PhD	Liberty 8th floor
3:30 pm	Using Ultrasound Imaging to Improve Technical Outcomes: Hip and Knee	Philip Peng, MD	1.5 credits
3:50 pm	Advances in Ultrasound-Guided Musculoskeletal Procedures	Levon Nazarian, MD	
4:10 pm	Ultrasound-Guided Interventional Spine Procedures: Is It a Reality?	Bernhard Moriggl, MD	
4:30 pm	Video Presentation	Levon Nazarian, MD	
		Philip Peng, MD	
4:45 pm	Panel Discussion and Open Forum		
4:15 pm - 5:00 pm	Special Session <b>Labat Award Lecture</b>	Moderator: Stavros Memtsoudis, MD	Broadway North 6th floor
	New Perspectives in Regional Anesthesia	Alain Borgeat, MD	.75 credits





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<b>5:00 pm - 5:45 pm</b>	Special Event <b>Opening Ceremony</b>	Moderator: Vincent Chan, MD	Broadway North 6th floor
5:00 pm	Meeting Chair Welcome	Vincent Chan, MD	non-CME
5:15 pm	Distinguished Service Award	Gregory Liguori, MD Mary Hargett	
5:20 pm	ASRA Presidential Address	Asokumar Buvanendran, MD	
5:25 pm	<i>Sister Society Presidential Addresses</i>		
	European Society of Regional Anesthesia & Pain Therapy (ESRA)	Alain Delbos, MD	
	Latin American Society of Regional Anesthesia (LASRA)	Maria Isabel Vasquez, MD	
	African Society of Regional Anesthesia (AFSRA)	Ezzat Aziz, MD	
	Asian and Oceanic Society of Regional Anesthesia (AOSRA)	Minerva Calimag, MD	
<b>5:45 pm - 7:00 pm</b>	Special Event <b>Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening</b> (free to all attendees, guest tickets: \$50)		

## Main Meeting Friday, April 20, 2018

<b>7:00 am - 7:45 am</b>	Non-CME Ancillary Event by Halyard Health (breakfast included) <b>Opioid-Sparing Analgesia: Why 24 Hours of Therapy Just Isn't Enough</b>		Broadway South 6th floor
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<b>7:30 am - 8:00 am</b>	<b>Getting Started</b> Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café		
<b>8:00 am - 9:30 am</b>	PS-05a RA-Acute Pain Parallel Session <b>How I Do It: Tips for Experts by Experts for Peripheral Nerve and Intermuscular Plane Blocks</b> <a href="#">Call for Videos: Challenges, Pearls, and Cases</a>	Moderator: Brian Harrington, MD Admir Hadzic, MD Stuart Grant, MD Eric Albrecht, MD Urs Eichenberger, MD	Broadway North 6th floor 1.5 credits
<b>8:00 am - 9:30 am</b>	PS-05b Chronic Pain Parallel Session <b>Neuromodulation SIG Panel: Making Neuromodulation Therapy Work</b>	Moderator: Marc Huntoon, MD	Broadway South 6th floor
8:00 am	Improving Patient Safety: Best Practices & The Neuromodulation Appropriateness Committee	David Provenzano, MD	1.5 credits
8:20 am	Awake vs. Asleep Placement of Spinal Cord Stimulators	Steven Falowski, MD	Neu
8:40 am	Genomics and Spinal Cord Stimulation	Ricardo Vallejo, MD	
9:00 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:30 am</b>	PS-05c RA-Acute Pain Parallel Session <b>Best Practice for Neuraxial Anesthesia and Analgesia</b>	Moderators: Terese Horlocker, MD Masataka Yokoyama, MD Xavier Sala-Blanch, MD	Majestic Complex 6th floor 1.5 credits
8:00 am	Outpatient Spinal Anesthesia: Chloroprocaine, Ropivacaine, Prilocaine	Chandra Kumar, MBBS	
8:15 am	Continuous Spinal Anesthesia	Manoj Karmakar, MD, FRCA	
8:30 am	Challenging Spine: Scoliosis, Instrumentation, Spinal Stenosis	Adam Niesen, MD	
8:45 am	What's New with Thoracic Epidural Analgesia		
9:00 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:30 am</b>	PS-05d RA-Acute Pain Parallel Session <b>Outpatient / Fast-Track Joint Replacement Surgery: Expert Panel Discussion</b>	Moderator: Sanjay Sinha, MD Michael Bolognesi, MD Andrew Rosenberg, MD Gregory Polkowski, MD Alexandru Visan, MD	Manhattan 8th floor 1.5 credits
	Patient Selection/ Preparation, Advances in Surgical Techniques, Anesthesiologist's Role Beyond Pain Management, Financial Considerations, Short and Long Term Outcome Goals, etc.		
<b>8:00 am - 9:30 am</b>	PS-05e Chronic Pain Parallel Session <b>Member Submitted Panel: Challenging Centralized Pain Syndromes - Where Are We in 2018?</b>	Moderator: David Clark, MD Andrea Nicol, MD	Liberty 8th floor 1.5 credits
8:00 am	Influence of History of Abuse, Trauma, and Stress on Development and Maintenance of Centralized Pain	Daniel Clauw, MD	
8:20 am	Overview of Centralized Pain: Phenotypic and Physiologic Characteristics	Chad Brummett, MD	
8:40 am	Centralized Pain Syndrome and Interventional Outcomes		
9:00 am	Panel Discussion and Open Forum		
<b>9:30 am - 10:15 am</b>	<b>Break in Exhibit Hall and New Member Meet and Greet in Chat Room</b> Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		
<b>10:15 am - 11:45 am</b>	PS-06a RA-Acute Pain Parallel Session <b>How I Do It: Tips for Experts by Experts for Paravertebral and Neuraxial Blocks</b> <a href="#">Call for Videos: Challenges, Pearls, and Cases</a>	Moderator: Brian Harrington, MD Jens Borglum, MD Admir Hadzic, MD Michael Barrington, MD Philippe Macaire, MD	Broadway North 6th floor 1.5 credits PnEd





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<b>10:15 am - 11:45 am</b>	PS-06b Chronic Pain Parallel Session <b>Neuropathic Pain</b>	Moderator: Honorio Benzon, MD	Broadway South 6th floor
10:15 am	Basic Science, Neuronal and Immunological Mechanisms	Tony Yaksh, PhD	1.5 credits
10:45 am	Clinical Treatment Updates	James Rathmell, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	PS-06c RA-Acute Pain Parallel Session <b>Perioperative Surgical Home (PSH) and the Evolution of Perioperative Medicine Worldwide</b>	Moderator: Gregory Liguori, MD	Majestic Complex 6th floor
10:15 am	Current State of PSH: the U.S. Perspective	Edward Mariano, MD	1.5 credits
10:30 am	The Value of Pain Medicine for PSH	Alexandru Visan, MD	
10:45 am	Training Anesthesiologists to be Perioperative Physicians	Colin McCartney, MBBS, PhD	
11:00 am	Perioperative Medicine & Surgical Outcome: The UK Experience	Monty Mythen, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	PS-06e Chronic Pain Parallel Session <b>Intrathecal Therapy Panel</b>	Moderator: Marc Huntoon, MD	Liberty 8th floor
10:15 am	New Strategies for Improvement in Outcomes and Sustainability: PACC 2017	Jason Pope, MD	1.5 credits
10:30 am	Outcomes In Intrathecal Treatment for Chronic Noncancer Pain	Sam Eldabe, MD	MOCA
10:45 am	Management and Mechanism of Pump Failures	Salim Hayek, MD	Neu
11:00 am	CSF Dynamics and Clinical Implications for Intrathecal Drug Delivery	Christophe Perruchoud, MD	
11:15 am	Panel Discussion and Open Forum		
<b>12:00 pm - 1:00 pm</b>	Non-CME Ancillary Event by Recro Pharma (lunch included) <b>Challenges in Acute Pain Management and Updates in Evidence-Based Management Approaches</b>		Broadway North 6th floor
<b>12:00 pm - 1:00 pm</b>	Non-CME Ancillary Event by Nevro (lunch included) <b>Outcomes, Advanced: Breakthroughs in New Pain Areas</b>		Broadway South 6th floor
<b>11:45 am - 1:15 pm</b>	<b>Lunch On Own</b>		
<b>1:15 pm - 2:45 pm</b>	PS-07a RA-Acute Pain Parallel Session <b>Pharmacology Update: Local Anesthetic and Adjuncts</b>	Moderator: Brian Sites, MD	Broadway North 6th floor
1:15 pm	Liposomal Bupivacaine	Brian Ilfeld, MD	1.5 credits
1:25 pm	Neosaxitoxin	Charles Berde, MD	
1:35 pm	Steroid for Peripheral Nerve Block	Richard Brull, MD	
1:45 pm	Alpha 2 Agonists for Peripheral Nerve Block	Chad Brummett, MD	
1:55 pm	Adjuncts for Neuraxial Blocks Beyond Opioids	Ban Tsui, MD	
2:05 pm	Panel Discussion and Open Forum		
<b>1:15 pm - 2:45 pm</b>	PS-07b Chronic Pain Parallel Session <b>The Opioid Epidemic: Global Perspective on the Appropriate Use of Chronic Opioids</b>	Moderator: Todd Sitzman, MD	Broadway South 6th floor
1:15 pm	Paradigm Shift: Chronic Opioid Management in the USA	Richard Rosenquist, MD	1.5 credits
1:30 pm	Have Published Guidelines Influenced Opioid Prescribing Patterns and Improved	James Rathmell, MD	MOCA
1:45 pm	Past, Present, and Future State of Opioids in Europe	Jose De Andrés, MD	
2:00 pm	Opioid Utilization in Developing Countries: Working Towards a Balanced Approach	Amany E. Ayad, MD	
2:15 pm	Panel Discussion and Open Forum		
<b>1:15 pm - 2:45 pm</b>	<b>Pro/Con Debate: Regional Anesthesia vs. General Anesthesia Outcome Controversies</b>	Moderator: Rajnish Gupta, MD	Complex 6th floor
1:15 pm	Cancer Recurrence	(RA) Colin McCartney, MBBS, PhD (GA) Alain Borgeat, MD	1.5 credits
1:45 pm	Postoperative Analgesia for Total Hip Arthroplasty	(PNB) Rebecca Johnson, MD (GA/LIA) Narinder Rawal, MD	
2:15 pm	Transition from Acute to Chronic Pain	(RA) Michael Andreae MD (GA) Patricia Lavand'homme, MD	
<b>1:15 pm - 2:45 pm</b>	PS-07d RA-Acute Pain Parallel Session <b>Education in Regional Anesthesia and Acute Pain: International Perspectives</b>	Moderators: Nabil Elkassabany, MD	Manhattan 8th floor
1:15 pm	Competency Based Curriculum and Assessment	Michael Barrington, MD	1.5 credits
1:30 pm	EDRA Diploma Experience	Morné Wolmarans, MD	
1:45 pm	Global Perspective Authentic Assessment of Procedural Skills for PNBs	Minerva Calimag, MD	RAEd
2:00 pm	Social Media in Education	Edward Mariano, MD	
2:15 pm	Panel Discussion and Open Forum		
<b>2:45 pm - 3:30 pm</b>	<b>Break in Exhibit Hall</b>		
	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		
<b>3:30 pm - 5:00 pm</b>	PS-08a RA-Acute Pain Parallel Session <b>Pharmacology Update: Hemostasis Altering Drugs and Regional Anesthesia Safety</b>	Moderator: Gregory Liguori, MD	Broadway North 6th floor
3:30 pm	New Anticoagulants	Sandra Kopp, MD	1.5 credits
3:45 pm	New Antiplatelet Drugs	Honorio Benzon, MD	MOCA
4:00 pm	Anticoagulation Guidelines in the Parturients	Marc Van de Velde, MD	
4:15 pm	ASRA / ESRA Anticoagulation Practice Guidelines: An Update	Terese Horlocker, MD	
4:30 pm	Panel Discussion and Open Forum		





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<b>3:30 pm - 5:00 pm</b>	PS-08b Chronic Pain Parallel Session <b>Pro/Con Debate: Chronic Pain Management Controversies</b>	Moderator: Richard Rosenquist, MD	Broadway South 6th floor
3:30 pm	Have the Recent Opioid Pain Guidelines Improved Care or Reduced Access?	(Pro) Timothy Deer, MD (Con) Richard Rauck, MD	1.5 credits 
4:00 pm	Has Ultrasound Made Chronic Pain Interventions More Effective and Safer?	(Pro) Samer Narouze, MD, PhD (Con) Stephen P. Cohen, MD	
4:30 pm	Neuromodulation and Phantom Limb Pain: A Viable Option?	(Pro) Paul Verrills, MBBS (Con) Christophe Perruchoud, MD	
<b>3:30 pm - 5:00 pm</b>	PS-08c RA-Acute Pain Parallel Session <b>Pro/Con Debate: Regional Analgesia Controversies</b>	Moderator: Rajnish Gupta, MD	Complex 6th floor
3:30 pm	Long Acting Local Anesthetic vs. Continuous Catheter for Upper Limb Surgery	(LA) Admir Hadzic, MD (Cath) Philippe Macaire, MD	1.5 credits
4:00 pm	Thoracic Paravertebral Block vs. PEC/Serratus Plane Block for Breast Surgery	(TPV) Amit Pawa, MD (PEC) Meg Rosenblatt, MD	
4:30 pm	Interscalene Block vs. Suprascapular/Axillary Block for Shoulder Analgesia	(ISB) William Urmey, MD (S/A) Sanjay Sinha, MD	
<b>3:30 pm - 5:00 pm</b>	PS-08e Chronic Pain Parallel Session <b>Relevant Anatomy and Imaging to Improve Success in Pain Diagnosis and Treatment</b>	Moderator: Aaron Calodney, MD	Liberty 8th floor
3:30 pm	Ultrasound Anatomy to Improve Technical Efficacy	Bernhard Morrigl, MD	1.5 credits
3:50 pm	Functional Anatomy and Neural Imaging for Feedback Control of Spinal Cord Stimulation	Jose De Andrés, MD	
4:10 pm	Advances in Imaging to Improve Clinical Diagnosis Capabilities	John Carrino, MD	
4:30 pm	Panel Discussion and Open Forum		
<b>5:15 pm - 6:30 pm</b>	Special Event <b>Resident and Fellow Meet and Greet</b>		Sky Lobby (16th floor)
	Jointly organized by: ASRA, North American Fellowship Directors, and the Association of Pain Program Directors (APPD)		
<b>Main Meeting Saturday, April 21, 2018</b>			
<b>7:30 am - 8:00 am</b>	<b>Getting Started</b>		
	Registration	Foyer	
	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	
<b>8:00 am - 9:30 am</b>	PS-09a RA-Acute Pain Parallel Session <b>Innovations in Regional Anesthesia</b>	Moderator: Anahi Perlas, MD	Broadway North 6th floor
8:00 am	Best of Meeting Abstract 4677		1.5 credits
8:05 am	Electrical Impedance to Detect Intraneural Needle Placement	Axel Sauter, MD	
8:20 am	New Needle Ultrasound Tip Sensing/Localization Technology	Andrew Gray, MD	
8:35 am	New Technology for Continuous Peripheral Nerve Blocks	Brian Ilfeld, MD	
8:50 am	Novel Local Anesthetic Applications	Alain Borgeat, MD	
9:05 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:30 am</b>	PS-09b Chronic Pain Parallel Session <b>Advances in Neuromodulation: International Neuromodulation Society (INS) Panel</b>	Moderator: Ricardo Vallejo, MD	Broadway South 6th floor
8:00 am	Dorsal Root Ganglion Stimulation: The Global Experience	Timothy Deer, MD	1.5 credits
8:15 am	Improving Neuromodulation Through Closed Loop Technology	Leonardo Kapural, MD	
8:30 am	Moving Beyond the Spine and Pain: Neuromodulation Expansion	Paul Verrills, MBBS	
8:45 am	Waveform (Paresthesia and Non-Paresthesia) and Technology Advancements	Todd Sitzman, MD	
9:00 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:30 am</b>	PS-09c RA-Acute Pain Parallel Session <b>Procedure Specific Pain Therapy: Evidence-Based Recommendations</b>	Moderator: Ezzat Aziz, MD	Complex 6th floor
8:00 am	Best of Meeting Abstract 5527		1.5 credits
8:05 am	Breast Cancer Surgery	Ban Tsui, MD	
8:20 am	Inguinal Hernia Repair Surgery	Hance Clarke, MD	
8:35 am	Arthroscopic Shoulder Stabilization Surgery	Christopher Wu, MD	
8:50 am	Fractured Hip Surgery	Mark Neuman, MD	
9:05 am	Total Hip Arthroplasty	Stavros Memtsoudis, MD	
9:20 am	Panel Discussion and Open Forum		
<b>8:00 am - 9:30 am</b>	PS-09d RA-Acute Pain Parallel Session <b>Obstetrics Forum</b>	Moderator: Marc Van de Velde, MD	Manhattan 8th floor
8:00 am	Analgesia for Labour: An Update	Marc Van de Velde, MD	1.5 credits
8:20 am	How to Manage Persistent PDPH after a Blood Patch	Susilo Chandra, MD	
8:40 am	Preeclampsia: What Does the Anesthesiologist Need to Know	Minerva Calimag, MD	
9:00 am	Panel Discussion and Open Forum		





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<b>9:30 am - 10:15 am</b>	<b>Break in Exhibit Hall</b>		
		Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	
<b>10:15 am - 11:45 am</b>	<b>PS-10a RA-Acute Pain Parallel Session Newer Block Techniques: Why and How Well Do They Work?</b>	Moderator: Ki-Jinn Chin, MD	Broadway North 6th floor
10:15 am	Best of Meeting Abstract 4886		1.5 credits
10:20 am	Retrolaminar, Rhomboid Intercostal, Erector Spinae Plane Blocks	Sanjib Adhikary, MD	
10:35 am	New Quadratus Lumborum Block Approaches	Hesham Elsharkawy, MD	
10:50 am	New Brachial Plexus Blocks: Retroclavicular, Costoclavicular	Jeffrey Gadsden, MD	
11:05 am	Ultrasound-Guided Knee Infiltration Techniques	Sanjay Sinha, MD	
11:20 am	Low Dose Peripheral Nerve Blocks for Total Knee Arthroplasty	Alain Delbos, MD	
11:35 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-10b Chronic Pain Parallel Session Headache SIG Panel: Modern Headache Care Collaboration Between Neurology and Interventional Pain</b>	Moderator: Sam Eldabe, MD	Broadway South 6th floor
10:15 am	Can't Miss Headaches	Samer Narouze, MD, PhD	1.5 credits
10:35 am	Cervicogenic Headache	Kevin Vorenkamp, MD	
10:55 am	Neuromodulation for Head and Facial Pain	Sandeep Amin, MD	
11:10 am	Interventional Headache Management: Time for Neurologists and Pain Physicians to	Samer Narouze, MD, PhD	
11:30 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-10c RA-Acute Pain Parallel Session Acute Pain Management: Best Practice for Intravenous Analgesics</b>	Moderators: Honorio Benzon, MD Amany Ayad, MD	Majestic Complex 6th floor
10:15 am	IV Alpha 2 Agonists: Dexmedetomidine and Clonidine	Philipp Lirk, MD	1.5 credits
10:25 am	IV Ketamine	Patricia Lavand'homme, MD	
10:35 am	IV Acetaminophen	Eric Albrecht, MD	
10:45 am	IV Lidocaine	Philipp Lirk, MD	
10:55 am	IV NSAIDs	Patricia Lavand'homme, MD	
11:05 am	IV Magnesium	Eric Albrecht, MD	
11:15 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>PS-10d RA-Acute Pain Parallel Session Defining Outcomes that Matter to Regional Anesthesia: An International Discussion</b>	Moderators: Monty Mythen, MD	Manhattan 8th floor
10:15 am	Best of Meeting Abstract 4842		1.5 credits
10:20 am	Defining the Core Set of Outcome Measures for Regional Anesthesia: Randomized Controlled Trials vs. Large Databases	Mark Neumann, MD	
10:35 am	Core Regional Anesthesia Outcomes Important to Breast Surgery	Michael Andreae, MD	
10:50 am	Colorectal Surgery Outcome Measures	Christopher Wu, MD	
11:05 am	Total Hip and Knee Arthroplasty Outcome Measures	Stavros Memtsoudis, MD	
11:20 am	Panel Discussion and Open Forum		
<b>11:30 am - 1:00 pm</b>	<b>Special Session (lunch is not provided) A Conversation with ASRA About Analgesic Drug Shortages</b>	Moderator: Edward Mariano, MD	O'Neill 4th floor
<b>12:00 pm - 1:00 pm</b>	<b>Non-CME Ancillary Event by Sintetica (lunch included) Fast Track Spinal Anesthesia: A New Kid in Town</b>		Broadway North 6th floor
<b>12:00 pm - 1:00 pm</b>	<b>Non-CME Ancillary Event by Pfizer Inc. and Eli Lilly and Company (lunch included) Current Understanding of the Peripheral and Central Components of the Pain Pathway and their Roles in Chronic Pain and Future Therapeutics</b>		Broadway South 6th floor
<b>11:45 am - 1:15 pm</b>	<b>Lunch On Own</b>		
<b>1:15 pm - 2:45 pm</b>	<b>PS-11a RA-Acute Pain Parallel Session Complications After Regional Anesthesia and Surgery</b>	Moderator: Joseph Neal, MD	Broadway North 6th floor
1:15 pm	Phrenic Nerve Palsy and Interscalene Block	Andrew Gray, MD	1.5 credits
1:30 pm	Local Anesthetic-Induced Neurotoxicity: New Insights	Philipp Lirk, MD	
1:45 pm	Prevention and Treatment of Post-Mastectomy Pain	Michael Andreae, MD	
2:00 pm	Prevention and Treatment of Post-Thoracotomy Pain	Patricia Lavand'homme, MD	
2:15 pm	Panel Discussion and Open Forum		
<b>1:15 pm - 2:45 pm</b>	<b>PS-11b Chronic Pain Parallel Session Complications of Chronic Pain Management and Medico-Legal Cases</b>	Moderator: Timothy Deer, MD	Broadway South 6th floor
1:15 pm	USA Closed Claims Cases Related to Interventional Pain Management: What Can We	James Rathmell, MD	1.5 credits
1:35 pm	USA Mitigating Legal Risks of Medication Management	Richard Rauck, MD	
1:55 pm	What Can I Do to Protect Myself from Medical Negligence?	John Power	
2:15 pm	Panel Discussion and Open Forum		
<b>1:15 pm - 2:45 pm</b>	<b>PS-11c RA-Acute Pain Parallel Session Innovations in Acute Pain Management: Part I</b>	Moderator: Eugene Viscusi, MD	Majestic Complex
1:15 pm	Cannabinoids for Acute Pain	Hance Clarke, MD	1.5 credits
1:30 pm	Multimodal Perineural Analgesia	Brian Williams, MD	
1:45 pm	Novel Opioid Analgesics	Tong Joo (TJ) Gan, MD	
2:00 pm	New Apps and Transitional Pain Service for Acute Pain Management	Hance Clarke, MD	
2:15 pm	Panel Discussion and Open Forum		





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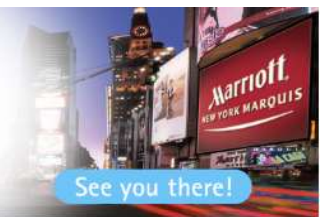


<b>1:15 pm - 2:45 pm</b>	PS-11d Chronic Pain Parallel Session <b>Current Status of Radiofrequency</b>	Moderators: Ricardo Vallejo, MD Amany Ayad, MD	Manhattan 8th floor
1:15 pm	Thermal Radiofrequency: Understanding Basic Science to Improve Clinical Outcomes	David Provenzano, MD	1.5 credits
1:30 pm	The Interpretation of Recent Studies on Thermal Radiofrequency for Axial Pain	Steven P. Cohen, MD	
1:45 pm	Update on Radiofrequency for Joint Pain	Carlos Pino, MD	
2:00 pm	Pulsed Radiofrequency: Does it Have a Future?	Jan Van Zundert, MD	
2:15 pm	Panel Discussion and Open Forum		
<b>2:45 pm - 3:15 pm</b>	<b>Break and Refreshments in Foyer</b>		
<b>3:15 pm - 4:45 pm</b>	PS-12a RA-Acute Pain Parallel Session <b>Regional Anesthesia Related Complications and Medico-Legal Issues</b>	Moderator: Joseph Neal, MD	Broadway North 6th floor
3:15 pm	Case 1: A Lawyer's Perspective Part I	John Power	1.5 credits
3:35 pm	Case 2: Nerve Injury after Brachial Plexus Block: A Physician and Expert Witness' Perspective	David Hardman, MD	MOCA
3:55 pm	Case 3: A Lawyer's Perspective Part II	John Power	
4:15 pm	Panel Discussion and Open Forum		
<b>3:15 pm - 4:45 pm</b>	PS-12b Chronic Pain Parallel Session <b>Cancer Pain</b>	Moderator: Sam Eldabe, MD	Broadway South 6th floor
3:15 pm	Pharmacological Management of Cancer Pain: From A to Z	Oscar de Leon-Casasola, MD	1.5 credits
3:35 pm	Interventional Treatment for Cancer Pain (Nonneuromodulation)	Amitabh Gulati, MD	
3:55 pm	Interventional Treatment for Cancer Pain (Neuromodulation and Intrathecal Techniques)	Pasquale De Negri, MD	
4:15 pm	Panel Discussion and Open Forum		
<b>3:15 pm - 4:45 pm</b>	PS-12c RA-Acute Pain Parallel Session <b>Innovation in Acute Pain Medicine: Part II</b>	Moderator: Ezzat Aziz, MD	Majestic Complex
3:15 pm	Emerging Receptors and Targets for Pain Management	Tony Yaksh, MD	1.5 credits
3:30 pm	New Opioid Agents: Sufentanil and Lontophoretic Fentanyl System, Oliceridine	Eugene Viscusi, MD	
3:45 pm	Hypnosis and Other Non-Pharmacological Methods	Geert-Jan van Geffen, MD	
4:00 pm	Percutaneous Peripheral Nerve Stimulation and Cyroanalgesia	Brian Ilfeld, MD	
4:15 pm	Panel Discussion and Open Forum		
<b>3:15 pm - 4:45 pm</b>	PS-12d Chronic Pain Parallel Session <b>Marijuana and Cannabinoids in Chronic Pain Management</b>	Moderator: Richard Rosenquist, MD	Manhattan 8th floor
3:15 pm	Efficacy of Cannaboids for Chronic Pain	Daniel Clauw, MD	1.5 credits
3:30 pm	Marijuana and Health Related Adverse Effects	Mark Wallace, MD	MOCA
3:45 pm	Medical Cannabis: The Europeans Perspective	Christophe Perruchoud, MD	
4:00 pm	Marijuana Legalization: Impact on Physicians and Public Health	Hance Clarke, MD	
4:15 pm	Panel Discussion and Open Forum		
<b>4:45 pm - 7:00 pm</b>	<b>Session Adjournment and Free Time</b>		
<b>7:00 pm - 10:00 pm</b>	Special Event <b>World Congress Celebration Overlooking Times Square</b> (tickets \$65 for members, \$80 non-members)		Lounge 8th floor





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## Problem Based Learning Discussions (PBLD)

### Thursday, April 19, 2018, 12:00-1:00 pm

(open to all, tickets \$90, includes lunch)

<b>Manhattan (8th floor)</b>			<b>1 credit each</b>
PBLD-01	Ambulatory Breast Surgery: When to Do Paravertebral Block vs. PEC / Serratus Plane	Geert-Jan van Geffen, MD	
PBLD-02	TAP, Quadratus Lumborum, Erector Spinae Plane, and Retrolaminar Block: When and Why	Ki-Jinn Chin, MD	
PBLD-03	Worthwhile Adjuvants to Local Anesthetics in Peripheral and Neuraxial Blocks	Susilo Chandra, MD	
PBLD-04	Nerve Injury After Regional Anesthesia: Best Practices and Medical and Legal Perspectives	David Hardman, MD	
PBLD-05	Tough Choices: Regional or General Anesthesia for Fractured Hip Surgery	Mark Neuman, MD	
PBLD-06	Persistent Headache After One Epidural Blood Patch: What to do Next?	Marc Van de Velde, MD	
PBLD-07	Managing Acute Pain Challenges in Pediatric Patients	Charles Berde, MD	
PBLD-08	Don't Block that Patient: He May Develop a Compartment Syndrome!	Fernando Altermatt, MD	
PBLD-09	Strategies to Leverage Your Value Within the Healthcare System	Alexandru Visan, MD	
PBLD-10	Radiofrequency for Low Back Pain	Jan Van Zundert, MD	
<b>Liberty (8th floor)</b>			<b>1 credit each</b>
PBLD-11	Spinal Cord Stimulation Programming: What the Clinician Needs to Know	Steven Falowski, MD	
PBLD-12	Medical Marijuana and Pain Practice	Mark Wallace, MD	
PBLD-13	Cancer Pain: Incorporating Neurolytic Blocks into Your Practice	Daniel Warren, MD	
PBLD-14	Opioids: Appropriate Management and Risk Mitigation Strategies	Carlos Pino, MD	
PBLD-15	Regenerative Medicine: Evidence, Patient Selection, and Practice Incorporation	Brian Cole, MD	
PBLD-16	TAP, Quadratus Lumborum, Erector Spinae Plane, and Retrolaminar Block: When and Why	Sanjib Adhikary, MD	





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**Workshops**  
**Thursday, April 19, 2018**  
(additional fee, physicians only)

7:45 am - 12:00 pm	<b>Morning Workshop Coordinators</b>	Rajnish Gupta, MD; Carlos Pino, MD	
7:45 am - 9:45 am	WS-01 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) (\$265) <b>Basic Pain Management Injections in the Spine</b>	Lead: Steven P. Cohen, MD	Astor B 7th floor
	Cervical: Epidural, Medial Branch Blocks; Facets Thoracic: Epidural, Medial Branch Blocks; Facets Lumbar: Epidural, TFESI, Medial Branch Blocks, Facets, and SI joint injections	Faculty: Aaron Calodney, MD Todd Sitzman, MD	2 credits
7:45 am - 9:45 am	WS-02 Chronic Pain Hands-On Ultrasound Workshop (live model) (\$265) <b>Basic Ultrasound-Guided Pain Procedures</b>	Lead: Dmitri Souza, MD	Columbia 7th floor
	Stellate, TAP Blocks/Ilioinguinal, Piriformis, Intercostal Nerve Blocks	Faculty: Urs Eichenberger, MD Hariharan Shankar, MD	2 credits 
8:00 am - 9:30 am	WS-49 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Uncommon Blocks</b>	Lead: Sanjay Sinha, MD	Soho (Soho Complex) 7th floor
	iPACK Infiltration Block of the Knee, Lateral Femoral Cutaneous Nerve, Obturator Ophthalmic, Cervical Plexus	Faculty: Sanjib Adhikary, MD Chandra Kumar, MD	1.5 credits
8:00 am - 9:30 am	WS-03 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Upper Limb Surgery (Ultrasound-Based)</b>	Lead: Richard Brull, MD	Chelsea (Empire Complex) 7th floor
	Above/Below Clavicle, Indications, Patient Selection, Side Effects, and Complications	Faculty: Jaime Baratta, MD Timur Ozelsel, MD	Associate Faculty: Steven Porter, MD 1.5 credits 
8:00 am - 9:30 am	WS-04 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Breast and Chest Wall Surgery (Ultrasound-Based)</b>	Lead: Danielle Ludwin, MD	Empire (Empire Complex) 7th floor
	Thoracic PVB, PECS, Serratus Plane Blocks Optional: Erector Spinae Plane Block	Faculty: Michael Harrington, MD Meg Rosenblatt, MD	Associate Faculty: Leslie Thomas, MD 1.5 credits 
8:00 am - 11:45 am	WS-05 RA-Acute Pain Half-Day Comprehensive Workshop (\$395) <b>Lower Extremity Blocks</b>	Lead: Derek Dillane, MD	Gramercy (Soho Complex) 7th floor
	Single Shot and Catheter Comprehensive Review of All Blocks of the Lower Extremity Lumbar Plexus and Its Branches Sciatic Nerve and Its Branches Blocks for the Hip, Knee, Ankle, and Foot Indications, Patient Selection, Technique, Side Effects, and Complications	Faculty: Andrew Gray, MD Brian Harrington, MD Xavier Sala-Blanch, MD Robert Weller, MD	3.75 credits
8:00 am - 11:45 am	WS-06 RA-Acute Pain Half-Day Cadaver Workshop (\$395) <b>Needling Hands-On Practice</b>	Lead: Jean-Louis Horn, MD	Astor A 7th floor
	Single Shot and Catheter Upper/Lower Extremity Blocks, Truncal Blocks, Catheter Techniques	Faculty: Fernando Altermatt, MD Andres Missair, MD Jovan Popovic, MD	3.75 credits
10:00 am - 12:00 pm	WS-07 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) (\$265) <b>Basic Neuromodulation</b>	Lead: Salim Hayek MD	Astor B 7th floor
	Lumbar SCS, Cervical SCS	Faculty: Jason Pope, MD David Provenzano, MD	Associate Faculty: Robert Bolash MD Alexios Carayannopoulos, MD 2 credits 
10:00 am - 12:00 pm	WS-08 Chronic Pain Hands-On Ultrasound Workshop (live model) (\$265) <b>Ultrasound for Spine Pain Procedures</b>	Lead: Samer Narouze, MD, PhD	Columbia 7th floor
	Epidural/Caudal, SI joint/Piriformis, Thoracic Paravertebral, Medial Branch Blocks	Faculty: Antoun Nader, MD Hariharan Shankar, MD	2 credits  
10:15 am - 11:45 am	WS-50 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Advanced Block Techniques for Shoulder Surgery</b>	Lead: Urs Eichenberger, MD	Soho (Soho Complex) 7th floor
	Superior Trunk, Supraclavicular Nerve, Superficial Cervical Plexus, Suprascapular Nerve, Axillary Nerve, Indications, Patient Selection, Side Effects, and Complications	Faculty: Philippe Macaire, MD Geert-Jan Van Geffen, MD	1.5 credits
10:15 am - 11:45 am	WS-09 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Introductory Ultrasound of the Spine</b>	Lead: Stuart Grant, MD	Chelsea (Empire Complex) 7th floor
	Lumbar Spine: Transverse and Longitudinal Views	Faculty: Jaime Baratta, MD James Green, MD	Associate Faculty: Arthur Atchabahian, MD 1.5 credits  
10:15 am - 11:45 am	WS-10 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Upper Limb Surgery (Nerve-Stimulation Based)</b>	Lead: William Urmey, MD	Empire (Empire Complex) 7th floor
	Above/Below Clavicle, Indications, Patient Selection, Side Effects, and Complications	Faculty: Alain Borgeat, MD	1.5 credits
1:15 pm - 5:00 pm	<b>Afternoon Workshop Coordinators</b>	Sandra Kopp, MD; Andrea Nicol, MD	
1:15 pm - 2:45 pm	WS-51 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Introductory Ultrasound of the Spine</b>	Lead: Stuart Grant, MD	Chelsea (Empire Complex) 7th floor
	Lumbar Spine: Transverse and Longitudinal Views	Faculty: Jaime Baratta, MD James Green, MD	1.5 credits  
1:15 pm - 2:45 pm	WS-12 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Ultrasound-Based)</b>	Lead: Meg Rosenblatt, MD	Empire (Empire Complex) 7th floor
	Branches of the Lumbar Plexus (Femoral, Adductor Canal) Branches of the Sciatic Nerve (Popliteal Sciatic, Ankle) Indications, Patient Selection, Side Effects, and Complications	Faculty: Minerva P. Calimag, MD Ban Tsui, MD	Associate Faculty: Steven Porter, MD 1.5 credits 





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1:15 pm - 5:00 pm	WS-13 RA-Acute Pain Half-Day Comprehensive Workshop (\$395) <b>Upper Extremity Blocks</b> Single Shot and Catheter Comprehensive Review of the Blocks of the Upper Extremity Block at the Roots, Block at the Trunks and Divisions Block at the Cords, Peripheral Nerve Blocks (Axillary and Distal Approaches) Indications, Patient Selection, Side Effects, and Complications	Lead: Edward Mariano, MD Faculty: Jean-Louis Horn, MD Rebecca Johnson, MD Colin McCartney, MBBS, PhD Steven Orebaugh, MD Amit Pawa, MD	Gramercy (Soho Complex) 7th floor 3.75 credits
1:15 pm - 5:00 pm	WS-14 RA-Acute Pain Half-Day Cadaver Workshop (\$395) <b>Needling Hands-On Practice</b> Single Shot and Catheter Upper/Lower Extremity Blocks, Truncal Blocks, Catheter Techniques	Lead: Rajnish Gupta, MD Faculty: David Hardman, MD Barys Ihnatsenka, MD Associate Faculty: Christina Jeng, MD	Astor A 7th floor 3.75 credits
1:15 pm - 5:00 pm	WS-15 Chronic Pain Half-Day Fluoroscopy & Ultrasound Workshop (cadaver, live model) (\$395) <b>Interventional Cancer Pain Management</b> Fluoro Neurolytic Blocks, Intrathecal Pumps, Vertebroplasty/Kyphoplasty, Ultrasound-Guided Neurolytic Blocks	Lead: Oscar de Leon-Casasola, MD Faculty: Pasquale De Negri, MD Amitabh Gulati, MD Antoun Nader, MD Kevin Vorenkamp, MD Associate Faculty: Hong Vo, MD	Astor B 7th floor 3.75 credits
1:15 pm - 3:15 pm	WS-52 Chronic Pain Hands-On Ultrasound Workshop (live model) (\$265) <b>Basic Ultrasound-Guided Pain Procedures</b> Stellate, TAP Blocks/Ilioinguinal, Piriformis, Intercostal Nerve Blocks	Lead: Dmitri Souza, MD Faculty: Urs Eichenberger, MD Hariharan Shankar, MD	Columbia 7th floor 2 credits
3:30 pm - 5:00 pm	WS-16 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Nerve-Stimulation Based)</b> Branches of the Lumbar Plexus (femoral, saphenous, adductor canal) Branches of the Sciatic Nerve (popliteal sciatic, ankle) Indications, Patient Selection, Side Effects, and Complications	Lead: Terese Horlocker, MD Faculty: Axel Sauter, MD	Chelsea (Empire Complex) 7th floor 1.5 credits
3:30 pm - 5:00 pm	WS-17 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Uncommon Blocks</b> iPACK Infiltration Block of the Knee, Lateral Femoral Cutaneous Nerve, Obturator Ophthalmic, Cervical Plexus	Lead: Sanjay Sinha, MD Faculty: Eric Albrecht, MD Chandra Kumar, MD Associate Faculty: Leslie Thomas, MD	Empire (Empire Complex) 7th floor 1.5 credits

**Workshops**  
**Friday, April 20, 2018**  
(additional fee, physicians only)

8:00 am - 12:15 pm	<b>Morning Workshop Coordinators</b>	Nabil Elkassabany, MD; Kevin Vorenkamp, MD	
8:00 am - 11:00 am	WS-18 RA-Acute Pain Half-Day Simulation Workshop (\$195) <b>Crisis Management for the Regional Anesthesiologist</b> High-Fidelity Simulation Setting Diagnose and Manage Acute Crisis in the Setting of Regional Anesthesia Small Group Hands-On Practice and Discussion	Lead: T. Kyle Harrison, MD Faculty: Cynthia Shum, RN, BScN, Med Ankeet Udani, MD Guy Weinberg, MD	Soho (Soho Complex) 7th floor 3 credits MOCA
8:00 am - 9:30 am	WS-53 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Abdominal Wall Surgery (Ultrasound-Based)</b> Quadratus Lumborum Blocks (Lateral, Posterior & Anterior), Ilioinguinal, Iliohypogastric, Rectus Sheath Blocks Optional: Erector Spinae Plane Block	Lead: Danielle Ludwin, MD Faculty: Sanjib Adhikary, MD Timur Ozelsel, MD Associate Faculty: Yan Lai, MD	Chelsea (Empire Complex) 7th floor 1.5 credits US
8:00 am - 9:30 am	WS-19 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Ultrasound Diagnosis of Pneumothorax and Diaphragmatic Paresis</b> Lung Ultrasound: Diagnosis of Pneumothorax, Ultrasound of the Diaphragm, Gastric Ultrasound	Lead: Jan Boublik, MD Faculty: Vincent Chan, MD Richelle Krusselbrink, MD	Empire (Empire Complex) 7th floor 1.5 credits POC
8:00 am - 10:00 am	WS-20 RA-Acute Pain Hands-On Workshop (\$265) <b>High-Fidelity Simulator for Thoracic Blocks</b> Thoracic Epidurals, Thoracic PVBs, Intercostal Blocks	Lead: Barys Ihnatsenka, MD Faculty: Michael Andreae, MD Associate Faculty: Linda Le-Wending, MD Yury Zsimevich, MD	Gramercy (Soho Complex) 7th floor 2 credits MOCA
8:00 am - 11:45 am	WS-21 RA-Acute Pain Half-Day Cadaver Workshop (\$395) <b>Needling Hands-On Practice</b> Single Shot and Catheter Upper/Lower Extremity Blocks, Truncal Blocks, Catheter Techniques	Lead: Steven Orebaugh, MD Faculty: Andrew Gray, MD Axel Sauter, MD Maria Isabel Vasquez, MD Associate Faculty: Arthur Atchabahian, MD	Astor A 7th floor 3.75 credits
8:00 am - 10:00 am	WS-22 Chronic Pain Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model) (\$265) <b>Advanced Head and Neck Injections</b>	Lead: Dmitri Souza, MD Faculty: Maxim Eckmann, MD Carlos Pino, MD	Astor B 7th floor 2 credits
8:00 am - 11:45 am	WS-23 Chronic Pain Half-Day Ultrasound Workshop (live model) (\$395) <b>MSK Ultrasound: Shoulder, Hip, Knee, and Ankle</b>	Lead: Philip Peng, MD Faculty: Anuj Bhatia, MD Antoun Nader, MD Levon Nazarian, MD Associate Faculty: Maged Guirguis, MD Hong Vo, MD	Columbia 7th floor 3.75 credits US
10:15 am - 11:45 am	WS-24 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Abdominal Wall Surgery (Ultrasound-Based)</b> Quadratus Lumborum Blocks (Lateral, Posterior & Anterior), Ilioinguinal, Iliohypogastric, Rectus Sheath Blocks Optional: Erector Spinae Plane Block	Lead: Danielle Ludwin, MD Faculty: Eric Albrecht, MD Timur Ozelsel, MD Associate Faculty: Yan Lai, MD	Chelsea (Empire Complex) 7th floor 1.5 credits US
10:15 am - 11:45 am	WS-25 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Advanced Ultrasound Anatomy: Freestyle "Stump the Chump!"</b> Think you have a question or challenge fit for a master? Bring it! Learn ultrasound anatomy techniques on a very advanced, but very practical, level.	Lead: Bernhard Moriggl, MD Faculty: Vincent Chan, MD	Empire (Empire Complex) 7th floor 1.5 credits US





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10:15 am - 12:15 pm	WS-26 RA-Acute Pain Hands-On Workshop (\$265) <b>High-Fidelity Simulator for Thoracic Blocks</b> Thoracic Epidurals, Thoracic PVBs, Intercostal Blocks	Lead: Barys Ihnatsenka, MD Faculty: Michael Andraea, MD	Associate Faculty: Linda Le-Wendling, MD Yury Zsimevich, MD	Gramercy (Soho Complex) 7th floor 2 credits MOCA
10:15 am - 12:15 pm	WS-27 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) (\$265) <b>Intradiscal Techniques: Discography, Biacuplasty</b>	Lead: Leonardo Kapural, MD Faculty: Aaron Calodney, MD		Astor B 7th floor 2 credits
1:15 pm - 5:00 pm	<b>Afternoon Workshop Coordinators</b>	Jaime Baratta, MD; Carlos Pino, MD		
1:15 pm - 4:15 pm	WS-28 RA-Acute Pain Half-Day Simulation Workshop (\$195) <b>Crisis Management for the Regional Anesthesiologist</b> High-Fidelity Simulation Setting Diagnose and Manage Acute Crisis in the Setting of Regional Anesthesia Small Group Hands-On Practice and Discussion	Lead: T. Kyle Harrison, MD Faculty: Cynthia Shum, RN, BScN, Med Ankeet Udani, MD Guy Weinberg, MD		Soho (Soho Complex) 7th floor 3 credits MOCA
1:15 pm - 2:45 pm	WS-29 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Advanced Block Techniques for Shoulder Surgery</b> Superior Trunk, Supraclavicular Nerve, Superficial Cervical Plexus, Suprascapular Nerve, Axillary Nerve, Indications, Patient Selection, Side Effects, and Complications	Lead: Sanjay Sinha, MD Faculty: Derek Dillane, MD Philippe Macaire, MD	Associate Faculty: Arthur Atchabahian, MD	Chelsea (Empire Complex) 7th floor 1.5 credits
1:15 pm - 2:45 pm	WS-30 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Ultrasound for Neuraxial Blockade in Difficult Anatomy</b> Ultrasound of the Spine in the Orthopedic and Obstetric Patient with Obesity Scoliosis, Spinal Surgery, and Degenerative Disease	Lead: Anahi Perlas, MD Faculty: Javier Cubillos, MD Manoj Karmakar, MD, FRCA	Associate Faculty: Vivian Ip, MD	Empire (Empire Complex) 7th floor 1.5 credits US
1:15 pm - 5:00 pm	WS-31 RA-Acute Pain Half-Day Comprehensive Workshop (\$395) <b>Truncal-Paravertebral Blocks</b> Single-shot and Catheter. Thoracic Epidural, Thoracic Paravertebral, Paraspinal Blocks (Retrolaminar, Erector Spinae), Thoracic Wall Blocks (PECS, Serratus Plane), Abdominal Wall Blocks (TAP, TFP, QLB, Iliioinguinal)	Lead: Ki-Jinn Chin, MD Faculty: Jens Borglum, MD Hesham Elsharkawy, MD Jeffrey Gadsden, MD James Green, MD Adam Niesen, MD		Gramercy (Soho Complex) 7th floor 3.75 credits
1:15 pm - 3:15 pm	WS-54 Chronic Pain Hands-On Fluoroscopy & Ultrasound Workshop (cadaver) (\$265) <b>Radiofrequency Ablation</b> Cervical/Thoracic, Lumbar/SI, Knees/Hip	Lead: Daniel Warren, MD Faculty: Sandeep Amin, MD Anuj Bhatia, MD Jan Van Zundert, MD		Astor A 7th floor 2 credits US
1:15 pm - 3:15 pm	WS-33 Chronic Pain Hands-On Ultrasound Workshop (cadaver, live model) (\$265) <b>Ultrasound-Guided Interventions in Regenerative Medicine</b>	Lead: Dmitri Souza, MD Faculty: Antoun Nader, MD Hariharan Shankar, MD		Astor B 7th floor 2 credits Reg US
1:15 pm - 5:00 pm	WS-34 Chronic Pain Half-Day Fluoroscopy & Ultrasound Workshop (cadaver, live model) (\$395) <b>Advanced Neuromodulation Techniques</b> DRG/HF, Peripheral, Trigeminal/Head, Lamitrode	Lead: Timothy Lubenow, MD Faculty: Marc Huntoon, MD Joshua Wellington, MD		Columbia 7th floor 3.75 credits Neu
3:30 pm - 5:00 pm	WS-35 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Advanced Block Techniques for Hip and Knee Surgery</b> Lumbar Plexus (Sagittal, Transverse Oblique, & Shamrock Approaches) Proximal Sciatic Approaches (Parasacral, Gluteal, and Subgluteal) Indications, Patient Selection, Side Effects, and Complications	Lead: Rebecca Johnson, MD Faculty: Alain Delbos, MD Jean-Louis Horn, MD	Associate Faculty: Uma Shastri, MD	Chelsea (Empire Complex) 7th floor 1.5 credits
3:30 pm - 5:00 pm	WS-36 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Ultrasound for Neuraxial Blockade in Difficult Anatomy</b> Ultrasound of the Spine in the Orthopedic and Obstetric Patient with Obesity Scoliosis, Spinal Surgery, and Degenerative Disease AV Presentation / Video Demonstration / Hands-On Practice Case Discussion and Recommended Approaches to Challenging Anatomy	Lead: Anahi Perlas, MD Faculty: Javier Cubillos, MD Manoj Karmakar, MD, FRCA	Associate Faculty: Vivian Ip, MD	Empire (Empire Complex) 7th floor 1.5 credits US
3:30 pm - 5:30 pm	WS-37 Chronic Pain Hands-On Fluoroscopy & Ultrasound Workshop (cadaver) (\$265) <b>Radiofrequency Ablation</b> Cervical/Thoracic, Lumbar/SI, Knees/Hip	Lead: Leonardo Kapural, MD Faculty: Sandeep Amin, MD Anuj Bhatia, MD Jan Van Zundert, MD		Astor A 7th floor 2 credits US
3:30 pm - 5:30 pm	WS-55 Chronic Pain Hands-On Ultrasound Workshop (cadaver, live model) (\$265) <b>Ultrasound-Guided Interventions in Regenerative Medicine</b>	Lead: Dmitri Souza, MD Faculty: Antoun Nader, MD Hariharan Shankar, MD		Astor B 7th floor 2 credits Reg US

**Workshops**  
**Saturday, April 21, 2018**

(additional fee, physicians only)

8:00 am - 11:45 am	<b>Morning Workshop Coordinators</b>	Sandra Kopp, MD; Andrea Nicol, MD		
8:00 am - 11:45 am	WS-38 The New York School of Regional Anesthesia (NYSORA) Half-Day Workshop (\$395) <b>3D Anatomy and Lower Abdominal and Extremity Blocks</b> Short version of one of NYSORA's most popular workshops. This mini-boutique workshop includes back-to-back didactic sessions, live-model scanning, NYSORA's newest instructional animation programs, and 3D anatomy presentations.	Lead: Admir Hadzic, MD Faculty: Michael Akerman, MD Daryl Henshaw, MD Barys Ihnatsenka, MD J. Doug Jaffe, DO Ana López, MD Catherine Vandepitte-Hadzic, MD Alexandru Visan, MD		Chelsea (Empire Complex) 7th floor 3.75 credits





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8:00 am - 9:30 am	WS-39 Chronic Pain Resident/Fellow Workshop (\$30) <b>Fluoroscopy-Guided Injections</b>	Lead: Kevin Vorenkamp, MD		Gramercy (Soho Complex) 7th floor
		Faculty: Sandeep Amin, MD Amit Gulati, MD Timothy Lubenow, MD		1.5 credits
8:00 am - 11:45 am	WS-40 RA-Acute Pain Resident/Fellow Workshop (\$30) <b>Regional Anesthesia and Perioperative Point-of-Care Ultrasound</b>	Lead: Carrie Guheen, MD		Astor 7th floor
8:00 am	Lung Assessment	Jan Boublik, MD		3.75 credits
8:15 am	Gastric Assessment	Vincent Chan, MD		
8:30 am	FAST	Stephen Haskins, MD		
8:45 am	Break to Hands-On Stations			
8:50 am	Stations 1-9	Faculty:		
	1. Upper Extremity Above	Faraj Abdallah, MD		
	2. Upper Extremity Below	Jovan Popovic, MD		
	3. Lower Extremity Anterior	Christina Jeng, MD		
	4. Lower Extremity Posterior	Yan Lai, MD		
	5. Truncal	Linda Le-Wendling, MD		
	6. Lung	Vivian Ip, MD		
	7. Gastric	Steven Porter, MD		
	8. FAST	Leslie Thomas, MD		
	9. High-Fidelity Truncal	Yury Zaslavskiy, MD		
9:10 am	Station 1 - 9 Repeat			
9:30 am	Station 1 - 9 Repeat			
9:50 am	Station 1 - 9 Repeat			
10:10 am	Station 1 - 9 Repeat			
10:30 am	Station 1 - 9 Repeat			
10:50 am	Station 1 - 9 Repeat			
11:10 am	Station 1 - 9 Repeat			
11:30 am	Station 1 - 9 Repeat			
8:00 am - 9:30 am	WS-41 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Breast and Chest Wall Surgery (Ultrasound-Based)</b>	Lead: Adam Niesen, MD		Columbia 7th floor
	Thoracic PVB, PECS, Serratus Plane Blocks Optional: Erector Spinae Plane Block	Faculty: Eric Albrecht, MD	Associate Faculty: Uma Shastri, MD	1.5 credits
9:45 am - 11:45 am	WS-42 Chronic Pain Hands-On Fluoroscopy Workshop (cadaver) (\$265) <b>Minimally Invasive Lumbar Decompression (MILD)</b>	Lead: Ricardo Vallejo, MD		Gramercy (Soho Complex) 7th floor
		Faculty: Aaron Calodney, MD Jay Grider, MD		2 credits
10:15 am - 11:45 am	WS-43 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Head and Airway Blocks</b>	Lead: James Green, MD		Columbia 7th floor
	Superior Laryngeal and Glossopharyngeal Nerve Blocks, Trans-Tracheal Topicalization, Ophthalmic Block	Faculty: Ezzat Aziz, MD		1.5 credits
1:15 pm - 4:45 pm	<b>Afternoon Workshop Coordinators</b>	Rajnish Gupta, MD; Maxim Eckmann, MD		
1:15 pm - 2:45 pm	WS-11 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Pearls for Pediatric Regional Anesthesia</b>	Lead: Karen Boretsky, MD		Chelsea (Empire Complex) 7th floor
	Demonstration of the Most Useful Blocks for Pediatric Anesthesia Practice Indications, Patient Selection, Technique, Side Effects, and Complications Advanced Regional Nerve Blocks, What Not to Do	Faculty: Giorgio Ivani, MD	Associate Faculty: Tarun Bhalla, MD Tricia Vecchione, MD	1.5 credits 
1:15 pm - 2:45 pm	WS-56 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Everyday Peripheral Nerve Blocks for Lower Limb Surgery (Ultrasound-Based)</b>	Lead: Meg Rosenblatt, MD		Empire (Empire Complex) 7th floor
	Branches of the Lumbar Plexus (Femoral, Adductor Canal) Branches of the Sciatic Nerve (Popliteal Sciatic, Ankle) Indications, Patient Selection, Side Effects, and Complications	Faculty: Minerva P. Calimag, MD Ban Tsui, MD	Associate Faculty: Steven Porter, MD	1.5 credits 
1:15 pm - 4:45 pm	WS-44 RA-Acute Pain Half-Day Cadaver Workshop (\$395) <b>Dissection and Anatomy</b>	Lead: Carlo Franco, MD		Gramercy (Soho Complex) 7th floor
	Upper/Lower Extremity, Truncal Blocks (PECS, TAP)	Faculty: Xavier Sala-Blanch, MD Rebecca Johnson, MD Robert Weller, MD		3.5 credits
1:15 pm - 2:45 pm	WS-45 Chronic Pain Resident/Fellow Workshop (\$30) <b>Ultrasound-Guided Injections</b>	Lead: Samer Narouze, MD, PhD		Astor 7th floor
		Faculty: Philippe Macaire, MD Bernhard Moriggl, MD Antoun Nader, MD Levon Nazarian, MD Dmitri Souza, MD	Associate Faculty: Robert Bolash, MD Maged Guirguis, MD Hong Vo, MD	1.5 credits 
1:15 pm - 2:45 pm	WS-46 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>New Blocks: Retrolaminar, Erector Spinae, iPack, Costoclavicular, Retroclavicular BP</b>	Lead: Ki-Jinn Chin, MD		Columbia 7th floor
		Faculty: Sanjib Adhikary, MD Jeffrey Gadsden, MD	Associate Faculty: Uma Shastri, MD	1.5 credits
3:15 pm - 4:45 pm	WS-47 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Ultrasound Diagnosis of Pneumothorax and Diaphragmatic Paresis</b>	Lead: Vincent Chan, MD		Columbia 7th floor
	Lung Ultrasound: Diagnosis of Pneumothorax, Diaphragm, and Gastric Ultrasound	Faculty: Richelle Krusselbrink, MD	Associate Faculty: Arthur Atchabahian, MD	1.5 credits 
3:15 pm - 4:45 pm	WS-48 RA-Acute Pain Interactive Demonstration Workshop (\$155) <b>Pearls for Pediatric Regional Anesthesia</b>	Lead: Karen Boretsky, MD		Chelsea (Empire Complex) 7th floor
	Demonstration of the Most Useful Blocks for Pediatric Anesthesia Practice Indications, Patient Selection, Technique, Side Effects, and Complications Advanced Regional Nerve Blocks, What Not to Do		Associate Faculty: Tarun Bhalla, MD Tricia Vecchione, MD	1.5 credits 





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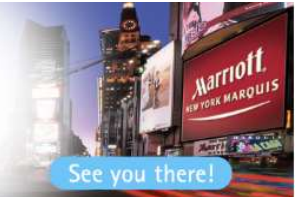
See you there!

## Ask-the-Expert Interactive Sessions Saturday, April 21, 2018

(open to all, no additional fee)

<b>8:00 am - 9:30 am</b>	<b>IS-01 Ask-the-Expert Interactive Session Stress Management</b>	Moderator: Oscar de Leon-Casasola, MD	Soho (Soho Complex) 7th floor
8:00 am	Physician Burnout Survey	Oscar De Leon-Casasola, MD	1.5 credits
8:30 am	Preventing Burnout and Promoting Job Engagement in Anesthesia	Danielle Ludwin, MD	
9:00 am	Panel Discussion and Open Forum		
<b>10:15 am - 11:45 am</b>	<b>IS-02 Ask-the-Expert Interactive Session Catheter Management Issues</b>	Moderator: Brian Ilfeld, MD	Soho (Soho Complex) 7th floor
		Philippe Macaire, MD	1.5 credits
<b>1:15 pm - 2:45 pm</b>	<b>IS-03 Ask-the-Expert Interactive Session Acute Pain Management for the Challenging Patient</b>	Moderator: Daniel Warren, MD	Soho (Soho Complex) 7th floor
	Obstructive Sleep Apnea, Opioid Dependency/Chronic Pain, Major Spine Surgery	Richard Rosenquist, MD	1.5 credits
<b>3:15 pm - 4:45 pm</b>	<b>IS-04 Ask-the-Expert Interactive Session Green Anesthesia: The Leading Role of Regional Anesthesia</b>	Moderator: Ban Tsui, MD	Soho (Soho Complex) 7th floor
3:15 pm	The Environmental Impact of General and Regional Anesthesia	Jodi Sherman, MD	1.5 credits
3:35 pm	The Economic and Environmental Aspects of Drug and Materials Used for Green Anesthesia	Andrew Gray, MD	
3:55 pm	Footprints: What Do We Know About Anesthetic	Timur Ozelsel, MD	
4:15 pm	Panel Discussion and Open Forum		





## PA / NP / Nursing Program Friday, April 20, 2018

<b>2:45 pm - 3:30 pm</b>		<b>PA/NP/Nursing Meet and Greet in the Exhibit Hall Chat Room</b>	Exhibit Hall
		Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	

## PA / NP / Nursing Program Saturday, April 21, 2018

<b>7:30 am - 8:00 am</b>		<b>Getting Started</b>	
		Registration	Foyer
		Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall
<b>8:00 am - 9:30 am</b>		<b>Update on Opioids</b>	Moderator: Bridget Calhoun, Dr PH, PA-C Liberty 8th floor
8:00 am		Welcome and Introduction	Drs. Buvanendran and Calhoun 1.5 credits
8:05 am		Monitoring the Patient Who is Prescribed Opioids	Heather Jackson, MSN, APRN-BC
8:30 am		Opioid Induced Constipation	Eugene Viscusi, MD
8:50 am		Endocrine Disorders Resulting from Opioid Use	Maxim Eckmann, MD
9:15 am		Panel Discussion and Open Forum	
<b>9:30 am - 10:15 am</b>		<b>Break in Exhibit Hall</b>	
		Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	
<b>10:15 am - 11:45 am</b>		<b>Chronic Low Back Pain (LBP)</b>	Moderator: Bridget Calhoun, Dr PH, PA-C Liberty 8th floor
10:15 am		Causes of Low Back Pain	Paul Verrills, MBBS 1.5 credits
10:30 am		Physical Assessment of the Patient with LBP	Maxim Eckmann, MD
11:00 am		Pathologic Findings on Radiographic Imaging	John Carrino, MD
11:30 am		Panel Discussion and Open Forum	
<b>11:45 am - 1:15 pm</b>		<b>Lunch On Own</b>	
<b>1:15 pm - 2:45 pm</b>		<b>Current Low Back Pain Interventions</b>	Moderator: Heather Jackson, MSN, APRN-BC Liberty 8th floor
1:15 pm		Update on Interventional Care	Jay Grider, MD 1.5 credits
1:45 pm		Review of Spinal Cord Stimulators: Indications and Complications	Steven Falowski, MD
2:05 pm		Review of Intrathecal Pumps: Indications and Complications	Sam Eldabe, MD
2:25 pm		Panel Discussion and Open Forum	
<b>2:45 pm - 3:15 pm</b>		<b>Break and Refreshments in Foyer</b>	
<b>3:15 pm - 4:45 pm</b>		<b>Providing Care to Special Populations</b>	Moderator: Bridget Calhoun, Dr PH, PA-C Liberty 8th floor
3:15 pm		Management of Anticoagulation and Interventional Treatments	Honorio Benzon, MD 1.5 credits
3:40 pm		Pain Control in Patients with Comorbidities: Renal Disease, Liver Disease, Elderly, Intoxicated	Andrea Nicol, MD
4:05 pm		Pain Control in Patients with Prior Addictions	Daniel Warren, MD
4:30 pm		Panel Discussion and Open Forum	





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**Moderated ePoster Sessions**

(non-CME)

		Shubert (Shubert Complex) 6th floor	<b>Track A Moderator</b>	Uris (Shubert Complex) 6th floor	<b>Track B Moderator</b>	Plymouth (Shubert Complex) 6th floor	<b>Track C Moderator</b>
<b>Thursday, April 19, 2018</b>							
8:00 am -	9:45 am	<b>MP-01a</b>	William Urmev, MD	<b>MP-01b</b>	Joseph Neal, MD	<b>MP-01c</b>	Andrea Nicol, MD
10:15 am -	11:45 am	<b>MP-02a</b>	Philipp Lirk, MD	<b>MP-02b</b>	Terese Horlocker, MD	<b>MP-02c</b>	Hesham Elsharkawy, MD
1:15 pm -	3:00 pm	<b>MP-03a</b>	Tong Joo (TJ) Gan, MD	<b>MP-03b</b>	Christopher Wu, MD	<b>MP-03c</b>	Alexios Carayannopoulos, MD
3:30 pm -	5:00 pm	<b>MP-04a</b>	Michael (Monty) Mythen, MD	<b>MP-04b</b>	Alexandru Visan, MD	<b>MP-04c</b>	Maxim Eckmann, MD
<b>Friday, April 20, 2018</b>							
8:00 am -	9:30 am	<b>MP-05a</b>	Richard Brull, MD	<b>MP-05b</b>	Jaime Baratta, MD	<b>MP-05c</b>	Charles Berde, MD
10:15 am -	11:45 am	<b>MP-06a</b>	Narinder Rawal, MD	<b>MP-06b</b>	Alain Borgeat, MD	<b>MP-06c</b>	Joshua Wellington, MD
1:15 pm -	2:45 pm	<b>MP-07a</b>	Timur Ozelsel, MD	<b>MP-07b</b>	Sandra Kopp, MD	<b>MP-07c</b>	David Clark, MD
3:30 pm -	5:00 pm	<b>MP-08a</b>	Andres Missair, MD	<b>MP-08b</b>	Steven Orebaugh, MD	<b>MP-08c</b>	Tony Yaksh, PhD
<b>Saturday, April 21, 2018</b>							
8:00 am -	9:30 am	<b>MP-09a</b>	Honorio Benzon, MD	<b>MP-09b</b>	Robert Bolash, MD	<b>MP-09c</b>	Richard Rauck, MD
10:15 am -	11:45 am	<b>MP-10a</b>	Rajnish Gupta, MD	<b>MP-10b</b>	Alexios Carayannopoulos, MD	<b>MP-10c</b>	Daniel Clauw, MD
1:15 pm -	2:45 pm	<b>MP-11a</b>	Mark Neumann, MD	<b>MP-11b</b>	Danielle Ludwin, MD	<b>MP-11c</b>	Yan Lai, MD
3:15 pm -	4:45 pm	<b>MP-12a</b>	Vivian Ip, MD	<b>MP-12b</b>	Stavros Memtsoudis, MD	<b>MP-12c</b>	Paul Verrills, MD