






**Virtual Meeting Program**  
**Thursday, November 18, 2021**

**7:45 am - 8:15 am Welcome and Opening Addresses**






7:45 am Meeting Chair Welcome Maged Guirguis, MD   
8:00 am Presidential Address Samer Narouze, MD, PhD

**8:15 am - 9:45 am RC-01 Refresher Course**

**Neuropathic Pain: Overview of the Current Treatment and Future Therapeutic Approaches** Moderator: Magdalena Anitescu, MD, PhD  
8:15 am Best of Meeting Abstract #2505 1.50 credits  
8:20 am Current View on Pathophysiology and New Hypothesis for CRPS Chad Brummett, MD    
8:40 am Scalable, Population Approach to Perioperative Behavioral Medicine: Results from Multiple Randomized Trials Beth Darnall, PhD  
9:00 am Novel Treatments in Pharmacology and Interventions Leonardo Kapural, MD, PhD   
9:20 am Panel Discussion and Open Forum



**9:45 am - 10:00 am Break**

**10:00 am - 12:00 pm RC-02 Refresher Course:**

**Headaches Management: An Updated Reality** Moderator: Carlos Pino, MD  
10:00 am Best of Meeting Abstract #2369 2.00 credits  
10:05 am Stronger Together: Collaboration for Multidisciplinary Approach to Headache Management Lynn Kohan, MD     
10:25 am Percutaneous Interventional Strategies for Migraine Prevention Meredith Barad, MD  
10:45 am Pediatric Headache Treatment & Management Shalini Shah, MD, MBA    
11:05 am Pros and Cons of Newer Targeted Migraine Therapy Alexander Feoktistov, MD, PhD  
11:25 am TMS and Neuromodulation Therapies for Headache: Current Evidence Prasad Shirvalkar, MD, PhD  
11:45 am Panel Discussion and Open Forum







**12:00 pm - 1:30 pm Break**

**1:30 pm - 3:30 pm RC-03 Refresher Course:**

**Spinal Cord Stimulation: Excellent Tool for the Right Patient** Moderator: Salim Hayek, MD, PhD  
1:30 pm Best of Meeting Abstract #2292 2.00 credits  
1:35 pm Multisociety Recommendations for Patient Selection and Spinal Cord Stimulation Trials Harsha Shanthanna, MD, PhD    
1:55 pm Salvage Therapy: Is that Real? Sam Eldabe, MD, FRCA  
2:15 pm Utilization of Closed Loop Stimulation Beyond Clinical Trials Lawrence Poree, MD, PhD  
2:35 pm Role of Glial Cell Activation and its Use in Clinical Practice Eellan Sivanesan, MD  
2:55 pm Advancement of IDDS Therapy in Chronic Non Cancer Pain Jennifer Hah, MD  
3:15 pm Panel Discussion and Open Forum

**3:30 pm - 3:45 pm Break**

**3:45 pm - 5:15 pm RC-04 Refresher Course:**

**Beyond Opioid Crisis: Lessons Learned and Need for Alternatives** Moderator: Eugene Viscusi, MD  
3:45 pm Opioid Epidemic Current State and What Practically Helped Asokumar Buvanendran, MD 1.50 credits  
4:05 pm Newer Opioid Target Medications: Are They Safer? Gina Votta-Velis, MD, PhD    
4:25 pm Alternative Therapy What has Helped and What has Failed Mark Wallace, MD  
4:45 pm Panel Discussion and Open Forum    



Virtual Meeting Program  
Friday, November 19, 2021

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|----------------------------|--|---|--------------|
| <b>8:00 am - 9:45 am</b>   | PS-01a Parallel Session<br><b>Chronic Back Pain in Non-Surgical Candidate</b>                                | Moderator:<br>Dalia Elmofly, MD           |              |
| 8:00 am                    | Best of Resident/ Fellow Travel Award Abstract #2160   |   | 1.75 credits |
| 8:05 am                    | Pathophysiology and Etiology of Low Back Pain  | Nagy Mekhail, MD                          |              |
| 8:25 am                    | Role of Healthy Back and Functional Restoration Programs   | Yashar Eshraghi, MD                       |              |
| 8:45 am                    | Non-Surgical Decompression for Spinal Stenosis Pros and Cons   | Aaron Calodney, MD                        |              |
| 9:05 am                    | Neuromodulation and Novel Interventions Targeting Basivertebral Nerve and Multifidus Muscle Current Evidence |   |              |
| 9:25 am                    | Panel Discussion and Open Forum  | Harsha Shanthanna, MD, PhD                |              |
| <b>9:45 am - 10:30 am</b>  | <b>Break</b>   |   | Exhibit Hall |
| <b>10:30 am - 12:15 pm</b> | PS-02a Parallel Session<br><b>Radiofrequency Ablation Current Evidence for Spine and Joint Pain</b>          | Moderator:<br>Kevin Vorenkamp, MD         |              |
| 10:30 am                   | Is There a True Clinical Difference in Lesion Size: Applied Physics of RFA                                   | Magdalena Anitescu, MD, PhD               | 1.75 credits |
| 10:50 am                   | Update on Consensus Practice Guidelines for Cervical RFA   | Samer Narouze, MD, PhD                    |              |
| 11:10 am                   | Joints RFA and Update on Clinical Outcome and Patient Selection  | Leonardo Kapural, MD, PhD                 |              |
| 11:30 am                   | Treating Discogenic and Vertebral Bone Pain  | Aaron Calodney, MD                        |              |
| 11:50 am                   | Panel Discussion and Open Forum  |   |              |
| <b>12:15 pm - 1:45 pm</b>  | <b>Break</b>   |   |              |
| <b>12:30 pm - 1:15 pm</b>  | <b>Non-CME Ancillary Event by Medtronic (lunch included)</b>   |   |              |
| <b>1:45 pm - 3:30 pm</b>   | PS-03a Parallel Session<br><b>Advancement in the Field of Peripheral Nerve Stimulation: Lessons Learned</b>  | Moderator:<br>Einar Ottestad, MD          |              |
| 1:45 pm                    | Best of Resident/ Fellow Travel Award Abstract #2229   |   | 1.75 credits |
| 1:50 pm                    | Is There a Role for PNS in the Perioperative Setting?  | Dawood Sayed, MD                          |              |
| 2:10 pm                    | Utilization in Post Amputation and Post-Surgical Pain Current Evidence                                       | Jennifer Hah, MD                          |              |
| 2:15 pm                    | Patient Selection for Wireless Devices and MRI Compatibility   | Alexios Carayannopoulos, DO               |              |
| 2:50 pm                    | Avoiding Complication, Safety and Guidelines for Trial and Implantation                                      | Konstantin Slavin, MD                     |              |
| 3:10 PM                    | Panel Discussion and Open Forum  |   |              |
| <b>3:30 pm - 4:15 pm</b>   | <b>Break</b>   |   |              |
| <b>4:15 pm - 6:00 pm</b>   | PS-04a Parallel Session<br><b>Regenerative Medicine: What Has Worked and Where is the Evidence</b>           | Moderator:<br>Alexios Carayannopoulos, DO |              |
| 4:15 pm                    | Recent Advances in Regenerative Medicine Science   | Jianguo Cheng, MD, PhD                    | 1.75 credits |
| 4:35 pm                    | Advancing the Evidence Base of Regenerative Medicine   | Dmitri Souza, MD, PhD                     |              |
| 4:55 pm                    | Regulatory Landscape for Regenerative Medicine in 2021   | Christine Hunt, DO, MS                    |              |
| 5:15 pm                    | Integration of Regenerative Medicine into Your Practice  | Thomas Buchheit, MD                       |              |
| 5:35 pm                    | Panel Discussion and Open Forum  |   |              |



**Virtual Meeting Program**  
**Saturday, November 20, 2021**

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|---------------------------|--|---|----------------------------------|------------------|
| <b>8:00 am - 10:00 am</b> |  | Plen-01 Plenary Session<br><b>Disruptive, Constructive or Destructive Innovations</b> | Moderator:<br>Maged Guirguis, MD |                  |
| 8:00 am                   |  | Challenges in Utilizing Digital Medicine for Chronic Pain Management                  | Kevin Vorenkamp, MD              | 2.00 credits<br> |
| 8:20 am                   |  | Novel Innovations and Burn Out: Does it Help or Increase Burden?                      | Dalia Elmofly, MD                |                  |
| 8:40 am                   |  | Is Learning Worth the Effort? Embedding Knowledge in Patient Care                     | Sean Mackey, MD                  |                  |
| 9:00 am                   |  | Virtual Reality for Patients with Chronic Abdominal Pain                              | Brennan Spiegel, MD, MSHS        |                  |
| 9:20 am                   |  | Panel Discussion and Open Forum   |                                  |                  |

**10:00 am - 10:45 am Break**

|                            |  |   |                                 |                  |
|----------------------------|--|---|---------------------------------|------------------|
| <b>10:45 am - 12:45 pm</b> |  | Plen-02 Plenary Session<br><b>Risk Mitigation and Complication Management for Best Practice</b> | Moderator:<br>Dalia Elmofly, MD |                  |
| 10:45 am                   |  | Guidelines to Prevent Infection and Complications from Interventional Procedures                | David Provenzano, MD            | 2.00 credits<br> |
| 11:05 am                   |  | New Multisociety Guidelines to Prevent Complications from Cervical Facet Intervention           | Steven Cohen, MD                |                  |
| 11:25 am                   |  | Needles Gone Wild   | Samer Narouze, MD               |                  |
| 11:45 am                   |  | Do We Need Steroid Stewardship? Guidelines for Dosing, Effectiveness and Complications          | Michael Hooten, MD              |                  |
| 12:05 pm                   |  | Panel Discussion and Open Forum   |                                 |                  |

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|---------------------------|--|--|---|------------------|
| <b>12:45 pm - 2:15 pm</b> |  | Special Event<br><b>Excellence in ASRA Awards Luncheon</b>                               | Moderators:<br>Samer Narouze, MD and David Provenzano, MD |                  |
| 12:45 pm                  |  | Buffet Lunch Service (lunch tickets: \$10 member, \$20 non-member)                       |   | 0.75 credits<br> |
| 12:54 pm                  |  | Introduction to Awards Luncheon  | Samer Narouze, MD   |                  |
| 12:55 pm                  |  | Abstract Awardees and Chronic Pain Award Research Grant Update                           | Gina Votta-Velis, MD, PhD                                 |                  |
| 1:00 pm                   |  | Brief Report on Graduate Student Research Grant  | Adlai Pappy, II, MD, MBA                                  |                  |
| 1:05 pm                   |  | Presidential Scholar Award Presentation  | Samer Narouze, MD to Kevin Vorenkamp, MD                  |                  |
| 1:12 pm                   |  | Introduction to Bonica Award Recipient   | Samer Narouze, MD and David Provenzano, MD                |                  |
| 1:15 pm                   |  | John J. Bonica Award Lecture: How I Helped My Patients...and Colleagues Through Research | Oscar de Leon-Casasola, MD                                |                  |
| 2:00 pm                   |  | Adjournment and Move to Next Session   |   |                  |

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|--------------------------|--|---|-------------------------------|--------------------------------------|
| <b>2:15 pm - 4:30 pm</b> |  | Plen-03 Plenary Session<br><b>A Whole New World: National Crisis and Bias Impact on Chronic Pain Practice</b> | Moderator:<br>Amy Pearson, MD |                                      |
| 2:15 pm                  |  | National Crisis and Bias Effects on Population Management   | Richard Rosenquist, MD        | 2.25 credits<br><br><br><br><br><br> |
| 2:35 pm                  |  | Lessons Learned from a Recent Pandemic: Evolutionary Changes in Pain Practice                                 | Ameet Nagpal, MD              |                                      |
| 2:50 pm                  |  | Is There a Role for Gender and Race Affecting Treatment Outcomes  | Johnathan H Goree, MD         |                                      |
| 3:10 pm                  |  | Taking the Bias out of Pain Diagnosis and Treatment   | Johnathan H Goree, MD         |                                      |
| 3:30 pm                  |  | Resilience Against Discrimination and Inequality  | Tina Doshi, MD, MHS           |                                      |
| 3:50 pm                  |  | Panel Discussion and Open Forum   |                               |                                      |