WIP 2016 Scientific Program

Friday, May 20, 2016

Review of Pain Medicine: Interventional Management of Low Back Pain

09:30 - 11:00

Murray Hill West

Moderator: Jianguo Cheng (USA)
09:30 INTERVENTIONAL MANAGEMENT OF FACET MEDIATED PAIN
Invited Speaker: Esther M. Benedetti (USA)
10:00 INTERVENTIONAL MANAGEMENT OF SACROILIAC JOINT PAIN
Invited Speaker: Jan Van Zundert (Belgium)
10:30 EPIDURAL STEROID INJECTIONS: EFFICACY, SAFETY AND RATIONAL APPLICATION
Invited Speaker: Jianguo Cheng (USA)

Review of Pain Medicine: ASRA/WIP Guidelines on Interventional Procedures in Patients on Anticoagulants

09:30 - 11:00

Grand Ballroom West

Moderator: Honorio T. Benzon (USA)
09:30 OVERVIEW OF THE PROBLEM; ANTIDEPRESSANTS
Invited Speaker: Samer Narouze, M.D., PhD (USA)
10:00 NSAIDS, ASPIRIN
Invited Speaker: David Provenzano, M.D. (USA)
10:30 OLD AND NEW ANTICOAGULANTS, SUMMARY
Invited Speaker: Honorio T. Benzon (USA)

Review of Pain Medicine: Cancer Pain Management

09:30 - 11:00

Gramercy Suite

Moderator: Judy Paice (USA)
09:30 PHARMACOLOGIC MANAGEMENT OF CANCER PAIN
Invited Speaker: Kris Vissers (Netherlands)
10:00 INTERVENTIONAL MANAGEMENT OF CANCER PAIN
Invited Speaker: Richard Rauck (USA)
10:30 HOSPICE, END-LIFE CARE
Invited Speaker: Judy Paice (USA)
Review of Pain Medicine: Intrathecal Drug Delivery Pumps

09:30 - 11:00

Moderator: Christopher Gilligan, M.D. (USA)

09:30 ROLE IN CANCER PAIN AND NON-CANCER PAIN
Invited Speaker: Edgar Ross (USA)

10:00 CHOICE OF INFUSION AGENTS AND DOSING
Invited Speaker: Amitabh Gulati (USA)

10:30 IDENTIFICATION AND MANAGEMENT OF COMPLICATIONS
Invited Speaker: Sanjeet Narang (USA)

Review of Pain Medicine: Rehabilitation

09:30 - 11:00

Moderator: Edvin Koshi (Canada)

09:30 BENEFITS OF RETURN TO WORK IN PATIENTS WITH CHRONIC PAIN
Invited Speaker: Edvin Koshi (Canada)

10:00 PROGNOSTIC FACTORS FOR A SUCCESSFUL VOCATIONAL REHABILITATION IN INDIVIDUAL WITH CHRONIC PAIN
Invited Speaker: Rob Smeets (Netherlands)

10:30 INTEGRATING REHABILITATION WITH PAIN INTERVENTION
Invited Speaker: Kenneth B. Chapman (USA)

Review of Pain Medicine: Use of ultrasound in pain medicine

11:00 - 12:30

Moderator: Samer Narouze, M.D., PhD (USA)

11:00 OVERVIEW OF THE USE OF ULTRASOUND IN PAIN MEDICINE
Invited Speaker: Samer Narouze, M.D., PhD (USA)

11:30 ULTRASOUND IN SPINE
Invited Speaker: Michael Sommer (Netherlands)

12:00 ULTRASOUND IN MSK
Invited Speaker: David Spinner (USA)
Review of Pain Medicine: Mechanisms of Spinal Cord Stimulation

11:00 - 12:30  Grand Ballroom West

Moderator: Sudhir Diwan (USA)

11:00  PATIENT SELECTION AND TRIALLING
Invited Speaker: Sudhir Diwan (USA)

11:30  MECHANISMS OF NEUROMODULATION
Invited Speaker: Ricardo Vallejo, M.D., Ph.D. (USA)

12:00  MAINTENANCE AND PROGRAMING
Invited Speaker: Christopher Gilligan, M.D. (USA)

Review of Pain Medicine: Safe and effective Use of Floroscopy

11:00 - 12:30  Gramercy Suite

Moderator: Esther M. Benedetti (USA)

11:00  RADIATION SAFETY
Invited Speaker: Honorio T. Benzon (USA)

11:30  EPIDURAL DYE SPREAD PATTERNS (INTRATHECAL, EPIDURAL, SUBDURAL, INTRAVASCULAR)
Invited Speaker: Edvin Koshi (Canada)

12:00  LUMBAR FLUOROSCOPIC ANATOMY: THE BASICS FOR SUCCESSFUL LANDMARK RECOGNITION
Invited Speaker: Esther M. Benedetti (USA)

Review of Pain Medicine: Treatments for low back pain: From less to more or the other way around? What does the evidence tell us?

11:00 - 12:30  Murray Hill East

Moderator: Nagy Mekhail, M.D., Ph.D. (USA)

11:00  NON-INVASIVE, CONSERVATIVE MANAGEMENT
Invited Speaker: David Kennedy (USA)

11:30  MINIMALLY INVASIVE NON-SURGICAL TREATMENTS
Invited Speaker: Nagy Mekhail, M.D., Ph.D. (USA)

12:00  ROLE OF SURGERY IN BACK PAIN
Invited Speaker: Ricardo Ruiz-Lopez (Spain)
Review of Pain Medicine: Visceral pain

11:00 - 12:30  Nassau East & West

Moderator: Neel Mehta (USA)

11:00 ADVANCES IN VISCERAL PAIN MANAGEMENT
Invited Speaker: Salim Hayek, M.D., Ph.D. (USA)

11:30 VISCERAL SYMPATHETIC BLOCKS FOR ABDOMINAL PAIN
Invited Speaker: Oscar De Leon-Casasola, M.D. (USA)

12:00 UPDATE ON THE ROLE OF SPINAL CORD STIMULATION FOR ABDOMINAL PAIN
Invited Speaker: Asokumar Buvanendran, M.D. (USA)

Break: Short Break

12:30 - 12:45

Satellite Symposium: Industry Symposium (not included in main event CME/CPD Accreditation)

12:45 - 14:15  Grand Ballroom West

See the Program Book for session details.

Special Lecture: Patrick Wall Lecture

14:15 - 15:00  Grand Ballroom East

Moderator: Chris Wells (United Kingdom)

14:15 50 YEARS LATER: STILL SEEKING THE KEYS THAT REGULATE THE GATE IN GATE CONTROL
Invited Speaker: Allan I. Basbaum (USA)

Break: Short Break

15:00 - 15:15
**Topical Seminar: Recent Developments in Neuromodulation**

15:15 - 16:45  
Grand Ballroom East

Moderator: Maarten Van Kleef (Netherlands)

15:15 **NOVEL APPLICATIONS FOR STIMULATION**  
Invited Speaker: James North (USA)

15:45 **STIMULATION OF THE DORSAL ROOT GANGLION FOR THE TREATMENT OF CHRONIC PAIN**  
Invited Speaker: Liong Liem (Netherlands)

16:15 **SPINAL CORD STIMULATION: CONVENTIONAL FREQUENCY, HIGH FREQUENCY, BURST OR HIGH DENSITY STIMULATION: WHAT SHOULD WE USE?**  
Invited Speaker: Bengt Linderoth (Sweden)

**Topical Seminar: Controversies in Medical Management of Pain**

15:15 - 16:45  
Grand Ballroom West

Moderator: Mark Ware, M.A. (Canada)

15:15 **OPIOIDS FOR PAIN MEDICINE**  
Invited Speaker: Lynn Webster (USA)

15:45 **CANNABINOIDS IN PAIN MEDICINE**  
Invited Speaker: Mark Ware, M.A. (Canada)

16:15 **KETAMINE IN PAIN MEDICINE**  
Invited Speaker: James North (USA)

**Topical Seminar: Pain and Addiction**

15:15 - 16:45  
Gramercy Suite

Moderator: Chantal Berna (Switzerland)

15:15 **THE INTERFACE BETWEEN PAIN AND ADDICTION**  
Invited Speaker: Jeff Gudin (USA)

15:45 **TAPERING LONG TERM OPIOID THERAPY IN CHRONIC NONCANCER PAIN**  
Invited Speaker: Chantal Berna (Switzerland)

16:15 **Opioids that May Reduce the Likelihood of Addiction: New Designs or Currently Available Opioids**  
Invited Speaker: Richard Rauck (USA)
Topical Seminar: New challenges in the treatment of cancer pain

15:15 - 16:45  Murray Hill East

Moderator: Michael Bennett (United Kingdom)

15:15  INNOVATIVE APPROACHES TO REFRACTORY CANCER PAIN MANAGEMENT
Invited Speaker: Amitabh Gulati (USA)

15:45  PAIN IN CANCER SURVIVORS
Invited Speaker: Judy Paice (USA)

16:15  CANCER PAIN MANAGEMENT IN DEVELOPING COUNTRIES
Invited Speaker: Sushma Bhatnagar (India)

Topical Seminar: Psychological Factors and Pain

15:15 - 16:45  Nassau East & West

Moderator: Robert Gatchel (USA)

15:15  THE BIOPSYCHOSOCIAL ASSESSMENT AND PREVENTION OF CHRONIC PAIN
Invited Speaker: Robert Gatchel (USA)

15:45  PAIN TREATMENT EFFECTIVENESS AND NOVEL DEVELOPMENTS
Invited Speaker: Christopher Eccleston (United Kingdom)

16:15  MANAGING DIFFICULT PATIENTS: MAXIMIZING THE NONSPECIFIC TREATMENT EFFECTS IN PAIN MEDICINE
Invited Speaker: Robert Jamison, M.D. (USA)

Break: Short Break

16:45 - 17:00

Opening Ceremony

17:00 - 17:45  Grand Ballroom East

Welcome Reception

17:45 - 19:00  Exhibition Area
Saturday, May 21, 2016

Review of Pain Medicine: Management of Neuropathic Pain

07:30 - 09:00
Grand Ballroom East

Moderator: Honorio T. Benzon (USA)

07:30 PHARMACOLOGIC AND INTERVENTIONAL MANAGEMENT OF NEUROPATHIC PAIN (SANS CRPS)
Invited Speaker: Magdalena Anitescu, M.D., Ph.D. (USA)

08:00 PHARMACOLOGIC AND INTERVENTIONAL MANAGEMENT OF CRPS
Invited Speaker: Honorio T. Benzon (USA)

08:30 NERVE ENTRAPMENT SYNDROMES
Invited Speaker: Andrea M. Trescot (USA)

Review of Pain Medicine: Management of Chronic Opioid Therapy

07:30 - 09:00
Nassau East & West

Moderator: Christopher Gharibo (USA)

07:30 OPIOID INDUCED HYPERALGESIA
Invited Speaker: Albert Dahan (Netherlands)

08:00 TREATMENT OF OPIOID-INDUCED CONSTIPATION
Invited Speaker: Craig Hartrick (USA)

08:30 BENEFITS AND PITFALLS OF ABUSE DETERRENT OPIOID AND NSAIDs
Invited Speaker: Christopher Gharibo (USA)

Review of Pain Medicine: Practical Anatomy for Interventional Pain Medicine

07:30 - 09:00
Concourse A

07:30 PRACTICAL ANATOMY FOR INTERVENTIONAL PAIN MEDICINE
Invited Speaker: Bernhard Moriggl (Austria)
Meet The Expert
08:00 - 09:00
Concourse C

**Moderator:** Maarten Van Kleef (Netherlands)

**HOW TO DESIGN STUDIES FOR CLINICAL TRIALS**
Sander Van Kuijk (Netherlands)

**WORLD INSTITUTE OF PAIN (WIP) RESEARCH INITIATIVE**
Jason Hong (USA)

**DISCUSSION**

Meet the Expert
08:00 - 09:00
Murray Hill

**SAFETY OF EPIDURAL STEROID INJECTIONS**
Invited Speaker: James Rathmell, M.D. (USA)

**ACADEMIC VERSUS PRIVATE PRACTICE**
Invited Speaker: Richard Rauck (USA)

**PELVIC PAIN**
Invited Speaker: Corey W. Hunter (USA)

**SPINAL CORD & PERIPHERAL NERVE STIMULATION**
Invited Speaker: Marc Huntoon, M.D. (USA)

**MANAGEMENT OF INTRATHECAL TARGETED DRUG DELIVERY**
Invited Speaker: Salim Hayek, M.D., Ph.D. (USA)

**INJECT OR NOT TO INJECT**
Invited Speaker: Michael Gofeld, M.D., D.E.A.A., F.I (Canada)

**PHARMACOLOGIC MANAGEMENT OF CRPS**
Invited Speaker: Jianguo Cheng (USA)

**AVOIDING COMPLICATIONS**
Invited Speaker: Gabor Racz (USA)

**ROLE OF REHABILITATION MEDICINE IN PAIN MANAGEMENT**
Invited Speaker: Edvin Koshi (Canada)

**COMPLEX CANCER PAIN PROBLEMS AND SOLUTIONS**
Invited Speaker: Amitabh Gulati (USA)

**DEVELOPING AND INTEGRATING RESEARCH WITHIN CANCER PAIN PROGRAMS**
Invited Speaker: Michael Bennett (United Kingdom)

**TREATMENT OPTIONS FOR KNEE PAIN: JOINT INJECTIONS (LOCAL ANESTHETIC, STEROID, SYNVISC), WATER COOLED RF OF GENICULAR NERVES, PLATELET RICH PLASMA**
Invited Speaker: David Walega (USA)

**PRP, AND STEM CELLS FOR MUSCULOSKELETAL PAIN**
Invited Speaker: Sudhir Diwan (USA)
Break: Short Break
09:00 - 09:15

Plenary Session: Advancing the Science of Pain
09:15 - 10:45
Grand Ballroom East

Moderator: Rolf-Detlef Treede (Germany)
Moderator: Clifford Woolf (USA)

09:15 MODULATING THE BH4 PATHWAY TO REDUCE NEUROPATHIC AND INFLAMMATORY PAIN
Invited Speaker: Clifford Woolf (USA)

09:45 IMAGING PAIN, ANALGESIA AND ANAESTHESIA
Invited Speaker: Irene Tracey (United Kingdom)

10:15 UNDERSTANDING PAIN THROUGH QUANTITATIVE SENSORY TESTING AND CONDITIONED PAIN MODULATION
Invited Speaker: Rolf-Detlef Treede (Germany)

Break: Coffee Break, Exhibition Visit and E-Poster Viewing
10:45 - 11:15
Exhibition Area

ePoster Discussion: E-Poster Discussion 1: Basic and Clinical Studies in Pain
10:45 - 11:15
E-Poster Area

Moderator: Jianguo Cheng (USA)

THE ANALGESIC EFFECT OF A TRK INHIBITOR WITH LOW BRAIN PENETRATION IN CANCER INDUCED BONE PAIN MODEL
Tetsuya Yasuhiro (Japan)

OPTICAL IMAGING OF SYNAPTIC CHANGES INDUCED BY NERVE INJURY IN THE SPINAL CORD DORSAL HORN
Toshifumi Takasusuki (Japan)

TIAGABINE - GABA TRANSPORTER TYPE 1 INHIBITOR ATTENUATES TACTILE ALLODYNIA IN OXALIPLATIN-INDUCED NEUROPATHIC PAIN WITHOUT IMPAIRING COGNITION
Kinga Salat (Poland)

PEPTIDE-DERIVED ORALLY-ACTIVE KAPPA-OPIOID RECEPTOR AGONISTS FOR PERIPHERAL PAIN: PRECLINICAL RESULTS
Tyler Beck (USA)

IDENTIFICATION, FUNCTIONAL CHARACTERIZATION, AND POTENTIAL TOXICITY OF A NEUROTENSIN DERIVATIVE AS A POTENTIAL FIRST-IN-CLASS ANALGESIC
Tyler Beck (USA)
Topical Seminar: Clinical Translation of Novel Pain and Itch Targets
11:15 - 12:45 Grand Ballroom East

Moderator: Praveen Anand (United Kingdom)

11:15 AT2R IN CHEMOTHERAPY-INDUCED PAINFUL NEUROPATHY
Invited Speaker: Praveen Anand (United Kingdom)

11:37 NAV1.7 ANTAGONISTS IN TRIGEMINAL NEURALGIA
Invited Speaker: Simon Tate (USA)

12:00 CLINICAL TRANSLATION IN ITCH - ROLE OF THE TRKA PATHWAY
Invited Speaker: David Roblin (United Kingdom)

12:22 NOCICEPTIN RECEPTOR IN NEUROPATHIC AND VISCERAL PAIN
Invited Speaker: Peter Hein (Germany)

Topical Seminar: Chronic pain, Opioids and Sleep Disordered Breathing, What every pain physician should be aware of?
11:15 - 12:45 Grand Ballroom West

Moderator: Philippe Mavracordatos (Switzerland)

11:15 SLEEP FRAGMENTATION CAUSED BY PERIPHERAL NERVE INJURY, A POSSIBLE SURROGATE FOR SPONTANEOUS PAIN
Invited Speaker: Alban Latremoliere (USA)

11:45 PAIN, OPIOID ANALGESICS, AND OBSTRUCTIVE SLEEP APNEA
Invited Speaker: Anthony Doufas (USA)

12:15 OPIOIDS AND CENTRAL APNEA: SHOULD WE BE WORRIED? FOR WHOM DOES THE BELL TOLL?
Invited Speaker: Robert Farney (USA)

Topical Seminar: Pro/Con: Controversy In Pain Medicine
11:15 - 12:45 Gramercy Suite

Moderator: James Rathmell, M.D. (USA)

11:15 ESI – YES OR NO
Invited Speaker: Honorio T. Benzon (USA)

11:30 ESI – YES OR NO
Invited Speaker: James Rathmell, M.D. (USA)

11:45 VERTEGRAL AUGMENTATION – PRO
Invited Speaker: Nagy Mekhail, M.D., Ph.D. (USA)

12:00 VERTEGRAL AUGMENTATION – CON
Invited Speaker: Joshua A. Hirsch (USA)

12:15 PRO FOR NON-NEUROPATHIC PAIN
Invited Speaker: Jan Van Zundert (Belgium)
12:30 **CON FOR NON-NEUROPATHIC PAIN**  
Invited Speaker: Steven Cohen (USA)

**Topical Seminar: Cancer Pain and Palliative Care**

11:15 - 12:45  
Murray Hill

Moderator: Kris Vissers (Netherlands)

11:15 **BUILDING BRIDGES BETWEEN MEDICAL ONCOLOGISTS, PAIN SPECIALISTS, FAMILY PHYSICIANS AND PATIENTS: WHEN TO TALK ABOUT PAIN?**  
Invited Speaker: Yvonne Engels (Netherlands)

11:45 **COMMUNITY BASED PROGRAMS TO IMPROVE CANCER PAIN: WHAT IS THE EVIDENCE?**  
Invited Speaker: Michael Bennett (United Kingdom)

12:15 **WHY DON’T THE POOREST 6 BILLION HAVE ACCESS TO PAIN RELIEF OR PALLIATIVE CARE? A GLOBAL MORAL FAILING, AND HOW TO RESPOND**  
Invited Speaker: Eric Krakauer (USA)

**Review of Pain Medicine: Headache**

11:15 - 12:45  
Nassau East & West

Moderator: Miles Day (USA)

11:15 **MIGRAINE, CLUSTER, & TENSION-TYPE HEADACHE**  
Invited Speaker: Charles Argoff (USA)

11:45 **HEAD & NECK BLOCKS**  
Invited Speaker: Miles Day (USA)

12:15 **BOTULINUM TOXIN FOR MYOFASCIAL PAIN SYNDROME AND HEADACHE**  
Invited Speaker: Andrea Nicol, M.D. (USA)

**Oral Presentation 1: Basic and Clinical Studies in Pain**

11:15 - 12:45  
Concourse A

Moderator: Christopher Gilligan, M.D. (USA)

11:15 **STIMULATION OF THE MOTOR CORTEX FOR CHRONIC NEUROPATHIC PAIN: ANATOMO-CLINICAL CORRELATIONS**  
Speaker: Afif Afif (France)

11:24 **CORNEA NERVE FIBER QUANTIFICATION AND CONSTRUCTION OF PHENOTYPES IN PATIENTS WITH FIBROMYALGIA**  
Speaker: Linda Oudejans, MSc (Netherlands)

11:33 **IMPACT OF NONSTEROIDAL ANTI-INFLAMMATORY DRUGS AND CONTINUITY OF CARE IN TAIWAN ELDERLY PATIENTS WITH DIABETES MELLITUS AND HEART FAILURE**  
Speaker: Jeng-Yuan Chiou (Taiwan)

11:42 **DYNAMIC ASSESSMENT OF PUPILLARY REFLEX IN PATIENTS ON HIGH-DOSE OPIOIDS**  
Speaker: Ulf Kongsgaard (Norway)
11:51 **PERIPHERAL ANTINOCICEPTIVE EFFECT OF VENLAFAXINE ON RAT FORMALIN TEST**  
Speaker: Gulay Sezer (Turkey)

12:00 **DISSECTION OF CLASSICAL CONDITIONING, EXPECTANCY, AND FEAR OF PAIN EFFECTS ON PLACEBO ANALGESIA**  
Speaker: Przemyslaw Babel (Poland)

12:09 **REDUCING PAIN BY MOVING THROUGH SPACE? INFLUENCE OF REAL VERSUS ILLUSORY SELF-MOTION PERCEPTION ON PAIN_THRESHOLDS AND PAIN EVOKED POTENTIALS**  
Speaker: Lucian M Macrea, FIPP (Switzerland)

12:18 **INCREASES IN THE EXPRESSION OF TWO DYSREGULATED MICRORNAS IN DORSAL ROOT GANGLIA (DRG) REDUCE NEUROPATHIC PAIN FOLLOWING SURAL SPARED NERVE INJURY IN ADULT RATS**  
Speaker: Esperanza Recio-Pinto (USA)

12:27 **DIFFERENT MECHANISMS OF ACTION BETWEEN PARESTHESIA AND PARESTHESIA-FREE SCS: A PET STUDY**  
Speaker: Richard Rauck (USA)

12:36 **SPINAL CORD STIMULATION ALTERS MOLECULAR PAIN PATHWAY IN SPINAL CORD OF AN ANIMAL PERIPHERAL INJURY MODEL**  
Speaker: Ricardo Vallejo, M.D., Ph.D. (USA)

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**Break: Break, Exhibition Visit and E-Poster Viewing**  
12:45 - 14:30

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**Satellite Symposium: Industry Symposium (not included in main event CME/CPD Accreditation)**  
13:00 - 14:30  
Grand Ballroom West

Please see the Program Book for session details.

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**Special Lecture: John Bonica Lecture**  
14:30 - 15:15  
Grand Ballroom East

Moderator: Giustino Varrassi (Italy)

14:30 **CAUSALGIA AND OTHER REFLEX SYMPATHETIC DYSTROPHIES**  
Invited Speaker: Michael Stanton-Hicks (USA)

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**Break: Coffee Break, Exhibition Visit and E-Poster Viewing**  
15:15 - 15:45
ePoster Discussion: E-Poster Discussion 2: Clinical Studies in Acute and Chronic Pain
15:15 - 15:45  E-Poster Area

Moderator: Edvin Koshi (Canada)
LOW BACK PAIN RELIEF WITH A NEW 32-CONTACT SURGICAL LEAD AND NEURAL TARGETING ALGORITHM
Nitzan Mekel-Bobrov (USA)
THE EFFECT OF DEXMEDETOMIDINE IN LUMBAR EPIDURAL INJECTION FOR FAILED BACK SURGERY SYNDROME
Ashraf Eskandr (Egypt)
SUBJECT SATISFACTION WITH PARESTHESIA-FREE 10 KHZ SPINAL CORD STIMULATION (SCS) AND PARESTHESIA-BASED LOW-FREQUENCY SCS (LF-SCS) SYSTEMS
Jeyakumar Subbaroyan (USA)
ROLE OF INTRA-ARTICULAR HYALURONIC ACID IN MANAGEMENT OF PERIARTHRTIS SHOULDER
Shiv Lal Yadav (India)

Topical Seminar: Lumbar Radicular Pain: How Does Treatment Differ around the world?
15:45 - 17:15  Grand Ballroom East

Moderator: Jan Van Zundert (Belgium)
15:45 A REVIEW OF THE PATHOPHYSIOLOGY OF RADICULAR PAIN
Invited Speaker: Bert Joosten (Netherlands)
16:07 WHAT IS THE EVIDENCE FOR PERCUTANEOUS ANESTHESIOLOGICAL TECHNIQUES
Invited Speaker: Koen Van Boxem (Belgium)
16:30 NEUROMODULATION FOR LUMBOSACRAL RADICULAR PAIN: NEW APPLICATIONS
Invited Speaker: Frank Huygen (Netherlands)
16:52 Radicular Pain: What is the evidence for non-interventional techniques
Invited Speaker: Marc Huntoon, M.D. (USA)

Topical Seminar: Discogenic Back Pain
15:45 - 17:15  Grand Ballroom West

Moderator: Nicholas Chua (Singapore)
15:45 RADIOFREQUENCY OPTIONS FOR AXIAL DISCOGENIC PAIN
Invited Speaker: Leonardo Kapural, M.D., Ph.D. (USA)
16:15 MECHANISMS OF AXIAL DISCOGENIC SPINE PAIN
Invited Speaker: Nicholas Chua (Singapore)
16:45 SURGICAL OPTIONS FOR AXIAL DISCOGENIC PAIN
Invited Speaker: Ricardo Ruiz-Lopez (Spain)

Topical Seminar: Ultrasound in Pain Medicine: From Present to Future
15:45 - 17:15 Gramercy Suite

Moderator: Jee Youn Moon (Republic of Korea)
15:45 ULTRASOUND-GUIDED BLOCKS AT SACRUM AND GLUTEAL REGION
Invited Speaker: Sean Lin (Taiwan)
16:15 ULTRASOUND-GUIDED SYMPATHETIC BLOCK IN PAIN MEDICINE
Invited Speaker: Jee Youn Moon (Republic of Korea)
16:45 EDUCATION OF ULTRASOUND AND ITS VALUE IN PAIN MEDICINE
Invited Speaker: Michael Sommer (Netherlands)

Topical Seminar: Interventional Pain Management of Osteoarthritis
15:45 - 17:15 Murray Hill

Moderator: Michael Gofeld, M.D., D.E.A.A., F.I (Canada)
15:45 NEUROANATOMY OF JOINTS
Invited Speaker: Anne Agur (Canada)
16:15 CLINICAL PERSPECTIVES OF JOINT DENERVATION
Invited Speaker: Michael Gofeld, M.D., D.E.A.A., F.I (Canada)
16:45 DENERVATION OF JOINTS: EVIDENCE-BASED ANALYSIS
Invited Speaker: Leonardo Kapural, M.D., Ph.D. (USA)

Review of Pain Medicine: Cryotherapy, Radiofrequency Techniques
15:45 - 17:15 Nassau East & West

Moderator: Andrea M. Trescot (USA)
15:45 CRYOTHERAPY: BASICS AND ADVANCES
Invited Speaker: Andrea M. Trescot (USA)
16:15 THERMAL & PULSED ADIOFREQUENCY
Invited Speaker: Khalid Malik (USA)
16:45 WATER-COOLED RADIOFREQUENCY
Invited Speaker: David Walega (USA)

Break
17:15 - 17:30
Industry Session: Industry Session (not included in main event CME/CPD Accreditation)

17:30 - 19:00  Madison Meeting Room

Please see the Program Book for session details.

Sunday, May 22, 2016

Live Demonstration in U/S organized by WAPMU: Live Demonstrations in U/S organized by WAPMU (pre-registration required)

07:00 - 09:00  Gramercy Suite

Please see the Program Book for session details.

Review of Pain Medicine: How to prepare for the FIPP and CIPS Examination

07:30 - 09:00  Murray Hill

Moderator: Frank Huygen (Netherlands)
Moderator: Michael Gofeld, M.D., D.E.A.A., F.I (Canada)

07:30  HOW TO PREPARE FOR THE FIPP/CIPS EXAMINATION
Invited Speaker: Peter S. Staats (USA)

08:00  EVALUATION OF THE FIPP/CIPS EXAMINATION
Invited Speaker: Monique Steegers (Netherlands)

08:30  FIVE REASONS TO BE FIPP/CIPS BOARD CERTIFIED
Invited Speaker: Craig Hartrick (USA)

Short Break

09:00 - 09:15

Plenary Session: Clinical Trial Design

09:15 - 10:45  Grand Ballroom East

Moderator: Richard Rauck (USA)
Moderator: Craig Hartrick (USA)

09:15  TOWARD AN EVIDENCE-BASED APPROACH TO THE DESIGN OF PAIN CLINICAL TRIALS
Invited Speaker: Robert H. Dworkin (USA)
09:45 **ADVANCES IN THE DESIGN AND CONDUCT OF CLINICAL TRIALS FOR PAIN**
Invited Speaker: Nathaniel Katz (USA)

10:15 **Clinical Trial Site for Chronic Pain Studies: How to Become One in either Private Practice or in an Academic Medical Center**
Invited Speaker: Richard Rauck (USA)

Break: Coffee Break, Exhibition Visit and E-Poster Viewing
10:45 - 11:15

**E-Poster Discussion 3: Basic and Clinical Studies in Pain**
10:45 - 11:15  
E-Poster Area

Moderator: Esther M. Benedetti (USA)

**OPIOID ABUSE AMONG LONG-TERM OPIOID USERS WITH CHRONIC NON-CANCER PAIN**
Kavita Gajria (USA)

**CHRONIC MIGRAINE AND SLEEP QUALITY: BENEFIT OF DEEP TRANSCRANIAL MAGNETIC STIMULATION (DTMS)**
Paola Scatena (Italy)

**TOOL FOR OPIOID ROTATION: SYSTEMATIC REVIEW AND PROPOSAL**
Tania Azurduy Castro (Mexico)

**PAIN IN FRANCE: ANALYSIS OF 2015 NATIONAL HEALTH AND WELLNESS SURVEY DATA**
Jeffrey Vietri (USA)

**A CONTEMPORARY MEDICOLEGAL ANALYSIS OF IMPLANTED DEVICES FOR CHRONIC PAIN MANAGEMENT: INSIGHT FROM THE CONTROLLED RISK INSURANCE COMPANY**
Christopher Abrecht (USA)

Live Demonstration in U/S organized by WAPMU: Live Demonstrations in U/S organized by WAPMU (pre-registration required)
11:00 - 13:00  
Gramercy Suite

Please see the Program Book for session details.

**Topical Seminar: Frontiers in Pain Medicine**
11:15 - 12:45  
Grand Ballroom East

Moderator: Massimo Allegri (Italy)
11:15 NEUROPATHIC PAIN PROMOTES GENE EXPRESSION ADAPTATIONS IN STRESS AND DEPRESSION RELATED BRAIN REGIONS
Invited Speaker: Giannina Descalzi (USA)

11:45 CORNEA CONFOCAL MICROSCOPY IN NEUROPATHIC PAIN
Invited Speaker: Albert Dahan (Netherlands)

12:15 GENETICS AND GENOMICS TO PREDICT LOW BACK PAIN: WHICH ARE THE NEW FRONTIERS?
Invited Speaker: Massimo Allegri (Italy)

Topical Seminar: Peripheral Nerve Stimulation
11:15 - 12:45 Grand Ballroom West

Moderator: Dominic Hegarty (Ireland)

11:15 FUNDAMENTALS OF PNS
Invited Speaker: Michael Gofeld, M.D., D.E.A.A., F.I (Canada)

11:45 NEUROMODULATION OF CRANIOFACIAL PAIN: INDICATIONS, OUTCOME AND COMPLICATIONS
Invited Speaker: Stephen Silberstein (USA)

12:15 NEUROMODULATION OF CHRONIC PAIN BY PNS- IS IT TIME TO COME OUT OF THE SHADOWS?
Invited Speaker: Konstantin Slavin (USA)

Topical Seminar: Patient Safety vs Complications
11:15 - 12:45 Murray Hill

Moderator: Juan-Carlos Flores (Argentina)

11:15 OPIOID-INDUCED CONSTIPATION
Invited Speaker: Richard Rauck (USA)

11:45 BEYOND NNTS: HAVE TREATMENT GUIDELINES NEGLECTED SAFETY AND TOLERABILITY
Invited Speaker: Robert H. Dworkin (USA)

12:15 Benefit versus burden in clinical guidelines for interventional pain management
Invited Speaker: Jan Van Zundert (Belgium)

Topical Seminar: Recovering from painful injury
11:15 - 12:45 Nassau East & West

Moderator: Patrick McGowan (United Kingdom)

11:15 Genetic Modulation of Pain by Pulsed Radiofrequency
Invited Speaker: Ricardo Vallejo, M.D., Ph.D. (USA)

11:45 SOMATIZATION, ANXIETY, AND MOBILITY: THE IMPORTANCE OF MOVEMENT FOLLOWING PAINFUL INJURY
Invited Speaker: Craig Hartrick (USA)
12:15 **PSYCHOPHYSICAL PHENOTYPES PREDICTING RECOVERY**
   Invited Speaker: David Yarnitsky (Israel)

Break, Exhibition Visit and E-Poster Viewing
12:45 - 14:30

Satellite Symposium: Industry Symposium (not included in main event CME/CPD Accreditation)
13:00 - 14:30  Grand Ballroom West

Please see the Program Book for session details.

Special Lecture: Prithvi Raj Lecture
14:30 - 15:15  Grand Ballroom East

   Moderator: Serdar Erdine (Turkey)
   Moderator: Gabor Racz (USA)
   Moderator: Ricardo Ruiz-Lopez (Spain)

14:30 **THE STRUGGLE OF HUMAN INGENUITY TO OVERCOME PHYSICAL PAIN**
   Invited Speaker: Maarten Van Kleef (Netherlands)

Coffee Break, Exhibition Visit and E-Poster Viewing
15:15 - 15:45

ePoster Discussion: E-Poster Discussion 4: Clinical Studies in Acute and Chronic Pain
15:15 - 15:45  E-Poster Area

   Moderator: Corey W. Hunter (USA)
   **EFFECTS OF INTRATHECAL BACLOFEN ON BLADDER PAIN REFLEX RESPONSES IN THE HYPERSENSITIVE RAT**
   Keith Hildebrand, Senior Principal Sci (USA)
   **NEUROPATHIC PAIN COMPONENT IN PATIENTS WITH OSTEOPOROSIS AND LOW BACK PAIN**
   Vladyslav Povoroznyuk (Ukraine)
BURST STIMULATION FOR CHRONIC LOW BACK AND LEG PAIN  
Gianni Colini-Baldeschi (Italy)

EFFICACY OF PERIPHERAL NERVE FIELD STIMULATION IN CHRONIC NEUROPATHIC PAIN PATIENTS DUE TO COMPLETE SPINAL CORD INJURY  
Ulderico Freo (Italy)

EVALUATION OF NOVEL WAVEFORMS IN GASSERIAN GANGLION STIMULATION FOR TRIGEMINAL NEUROPATHY  
Greg Bara (Germany)

Live Demonstration in U/S organized by WAPMU: Live Demonstrations in U/S organized by WAPMU (pre-registration required)

15:30 - 18:30  
Gramercy Suite

Please see the Program Book for session details.

Topical Seminar: Evidence for interventional pain management techniques: Quo Vadis

15:45 - 17:15  
Grand Ballroom East

Moderator: Jan Van Zundert (Belgium)

16:15 **EPIDURAL CORTICOSTEROID ADMINISTRATION**  
Invited Speaker: Honorio T. Benzon (USA)

15:45 **RADIOFREQUENCY TREATMENT**  
Invited Speaker: Koen Van Boxem (Belgium)

16:45 **NEUROSTIMULATION**  
Invited Speaker: Adnan Al-Kaisy (United Kingdom)

Topical Seminar: Chronic Pain and Opioid Use around the World

15:45 - 17:15  
Grand Ballroom West

Moderator: Craig Hartrick (USA)

15:45 **OPIOIDS: USA EPIDEMIC PROBLEM**  
Invited Speaker: Jane Ballantyne (USA)

16:15 **OPIOIDS AS USEFUL TOOLS: THE EUROPEAN VIEW FROM THE OTHER SIDE OF THE POND**  
Invited Speaker: Thomas Tölle (Germany)

16:45 Invited Speaker: TBC ()

Topical Seminar: Radicular Pain and Outcomes

15:45 - 17:15  
Murray Hill
Topical Seminar: Pain in Children
15:45 - 17:15  
Nassau East & West

Moderator: Kris Vissers (Netherlands)
15:45 MANAGEMENT OF CRPS PAIN IN CHILDREN  
Invited Speaker: Michael Stanton-Hicks (USA)
16:15 INTENSIVE INTERDISCIPLINARY AND MULTIMODAL PAIN TREATMENT FOR CHILDREN AND ADOLESCENTS WITH A SEVERE CHRONIC PAIN DISEASE  
Invited Speaker: Boris Zernikow (Germany)
16:45 CHRONIC PAIN IN CHILDHOOD – FACING AN INCREASING PROBLEM USING NEW MEDIA  
Invited Speaker: Julia Wager (Germany)

Oral Presentation 2: Clinical Studies in Pain and Neuromodulation
15:45 - 17:15  
Concourse A

Moderator: Nicholas Chua (Singapore)  
Moderator: Robert Van Dogen (Netherlands)
15:45 CAN WE DIMINISH CHRONIC PAIN AFTER LAPAROSCOPIC INGUINAL HERNIA REPAIR CHANGING THE MESH?  
Speaker: Mike Ralf Langenbach (Germany)
15:54 WHICH METHOD SHOULD BE USED FOR GENICULAR NERVE RADIOFREQUENCY THERMOCOAGULATION APPLICATION IN CHRONIC KNEE OSTEOARTHRITIS  
Speaker: Sinem Sarı (Turkey)
16:03 LONG-TERM OUTCOMES OF NEURAL TARGETING SPINAL CORD STIMULATION: FINAL RESULTS OF THE LUMINA STUDY  
Speaker: Salim Hayek, M.D., Ph.D. (USA)
16:12 REAL WORLD DISABILITY AND PRODUCTIVITY OUTCOMES FOLLOWING NEUROSTIMULATION  
Speaker: Nitzan Mekel-Bobrov (USA)
16:21 COMPARING PATIENTS' PREFERENCE OF DORSAL COLUMN STIMULATION VERSUS DORSAL ROOT GANGLION STIMULATION IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME OF THE KNEE - PRELIMINARY RESULTS  
Speaker: Catelijne Van Bussel, MD (Netherlands)
16:30 MULTICENTER RANDOMIZED CONTROLLED PIVOTAL TRIAL COMPARING 10 KHZ AND TRADITIONAL SPINAL CORD STIMULATION: 24-MONTH RESULTS  
Speaker: Leonardo Kapural, M.D., Ph.D. (USA)
16:39 **DESCRIPTIVE DEMOGRAPHIC AND CLINICAL DATA ON 647 POST-TREATMENT CRPS PATIENTS**  
Speaker: Pelle Baggesgaard Petersen, Medical Student (Denmark)

16:48 **LONG-TERM OUTCOMES OF PREDOMINANT LEG PAIN AND PREDOMINANT BACK PAIN COHORTS FROM A MULTICENTRE RANDOMIZED CONTROLLED PIVOTAL TRIAL (SENZA-RCT)**  
Speaker: Leonardo Kapural, M.D., Ph.D. (USA)

16:57 **REAL WORLD EVIDENCE OF CLINICAL OUTCOMES OF MULTIMODAL SPINAL CORD STIMULATION: A PROSPECTIVE GLOBAL REGISTRY STUDY**  
Speaker: Nitzan Mekel-Bobrov (USA)

17:06 **CASE SERIES ON FENTANYL AND BUPIVACAINE THROUGH INTRATEHICAL DRUG DELIVERY SYSTEM (IDDS) FOR CHRONIC NONMALIGNANT PAIN**  
Speaker: Mahesh Mohan (USA)

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**Monday, May 23, 2016**

**Workshop: WIP Cadaver Workshop (pre-registration required)**

08:00 - 17:00 
Nassau East & West A

Please see the Program Book for session details.

**Workshop: WAPMU Cadaver Workshop (pre-registration required)**

08:00 - 18:00 
Nassau East & West B

Please see the Program Book for session details.

**Plenary Session: Neuromodulation**

09:00 - 10:30 
Grand Ballroom West

Moderator: Timothy R. Deer, M.D. (USA)  
Moderator: Gabor Racz (USA)

09:00 **SPINAL CORD STIMULATION: A POTENTIAL SOLUTION IN THE MANAGEMENT OF AXIAL LOWER BACK PAIN**  
Invited Speaker: Adnan Al-Kaisy (United Kingdom)

09:30 **HIGH-FREQUENCY SPINAL CORD STIMULATION**  
Invited Speaker: Leonardo Kapural, M.D., Ph.D. (USA)

10:00 **MECHANISMS OF ACTION AND CLINICAL EVIDENCE FOR NEUROMODULATION IN COMPLEX REGIONAL PAIN SYNDROME**  
Invited Speaker: Frank Huygen (Netherlands)

**Plenary Session: Pain Assessment Clinical Outcomes**

09:00 - 10:30 
Gramercy Suite

Moderator: Sean Mackey, M.D., Ph.D. (USA)  
Moderator: Honorio T. Benzon (USA)
COLLABORATIVE HEALTH OUTCOMES INFORMATION REGISTRY (CHOIR): OPEN SOURCE PLATFORM FOR MEASURING HEALTH OUTCOMES AND A LEARNING BASED SYSTEM
Invited Speaker: Sean Mackey, M.D., Ph.D. (USA)

DESIGNING CLINICAL PAIN TRIALS
Invited Speaker: Steven Cohen (USA)

CHRONIC POSTOPERATIVE PAIN PREDICTION: IS THAT A FEASIBLE TASK?
Invited Speaker: Elon Eisenberg (Israel)

Break: Coffee Break

Topical Seminar: Education and Accreditation
11:00 - 12:30 Grand Ballroom West

Moderator: Kris Vissers (Netherlands)
Moderator: Craig Hartrick (USA)

11:00 THE ROLE OF WIP IN INTERNATIONAL PAIN EDUCATION AND ACCREDITATION
Invited Speaker: Peter S. Staats (USA)

11:22 PAIN EDUCATION AND ACCREDITATION IN THE USA
Invited Speaker: Christopher Gilligan, M.D. (USA)

11:45 PROVEN QUALITY BY EXAMINATIONS AND ONGOING ACCREDITATION
Invited Speaker: Monique Steegers (Netherlands)

12:07 THE ROYAL COLLEGE OF ANAESTHETISTS, PAIN EDUCATION AND ACCREDITATION
Invited Speaker: Beverly Collett (United Kingdom)

Topical Seminar: CRPS: where are we, where are we going?
11:00 - 12:30 Gramercy Suite

Moderator: Frank Huygen (Netherlands)

11:00 HOW TO DIAGNOSE ACUTE AND CHRONIC CRPS
Invited Speaker: Norman Harden (USA)

11:30 NEW INSIGHTS IN THE PATHOPHYSIOLOGY OF CRPS
Invited Speaker: Frank Huygen (Netherlands)

12:00 EVIDENCE BASED GUIDELINES ON TREATMENT CRPS
Invited Speaker: Andreas Goebel (United Kingdom)

Topical Seminar: Intrathecal Analgesia
11:00 - 12:30 Murray Hill East

Moderator: Philip Finch (Australia)
11:00 CSF DYNAMICS IN INTRATHECAL ANALGESIA
   Invited Speaker: Salim Hayek, M.D., Ph.D. (USA)
11:30 DEVELOPING MODALITIES IN INTRATHECAL THERAPY FOR PAIN IN MAN: TRANSFECTION, OLIGONUCLEOTIDES AND TOXINS
   Invited Speaker: Tony L. Yaksh (USA)
12:00 OPIOIDS AND NON-OPIOIDS
   Invited Speaker: Peter S. Staats (USA)

Topical Seminar: Management of Headache

11:00 - 12:30 Murray Hill West

   Moderator: Miles Day (USA)
11:00 INTERVENTIONAL HEADACHE MANAGEMENT: AN ALGORITHMIC APPROACH
   Invited Speaker: Andrea M. Trescot (USA)
11:30 MECHANISMS OF CERVICOGENIC HEADACHE
   Invited Speaker: Nicholas Chua (Singapore)
12:00 NEUROMODULATION FOR HEADACHE AND FACIAL PAIN
   Invited Speaker: Miles Day (USA)

Closing Ceremony

12:30 - 13:00 Grand Ballroom West