

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

Murray Hill East

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

Nassau East & West

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

Murray Hill West

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 Linderöth (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: Edwin 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, SYNVISIC), 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)

Break: 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: 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)

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 PERIARTHRITIS 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 RADIOFREQUENCY

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

- Moderator: Maarten Van Kleef (Netherlands)
- 15:45 **SAFETY ISSUES IN INTERVENTIONAL PAIN**
Invited Speaker: Marc Huntoon, M.D. (USA)
- 16:15 **SPINAL PAIN DURING WAR**
Invited Speaker: Steven Cohen (USA)
- 16:45 **PARTICULATE VS. NON-PARTICULATE STEROIDS**
Invited Speaker: Honorio T. Benzon (USA)

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 Sari (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 INTRATHECAL DRUG DELIVERY SYSTEM (IDDS) FOR CHRONIC NONMALIGNANT PAIN**
Speaker: Mahesh Mohan (USA)

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)

- 09:00 **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)
- 09:30 **DESIGNING CLINICAL PAIN TRIALS**
Invited Speaker: Steven Cohen (USA)
- 10:00 **CHRONIC POSTOPERATIVE PAIN PREDICTION: IS THAT A FEASIBLE TASK?**
Invited Speaker: Elon Eisenberg (Israel)

Break: Coffee Break

10:30 - 11:00

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
