**Scientific Programme**

**Wednesday, 04. September 2019**

**Special Session**
08:30 - 10:00  
**EFIC Hall**

**IMI-PAINCARE - IMPROVING THE CARE OF PATIENTS SUFFERING FROM ACUTE OR CHRONIC PAIN**

**Chairs:**  
W. Meissner (Germany)

- **PROVIDING STANDARDIZED CONSENTED PATIENT-REPORTED OUTCOME MEASURES (PROMPT)**
  - W. Meissner (Germany)  
  08:30 - 08:55

- **FUNCTIONAL PAIN BIOMARKERS (BIOPAIN)**
  08:55 - 09:20

- **TRANSLATIONAL RESEARCH IN PELVIC PAIN (TRIPP)**
  - J. Nagel (Germany)  
  09:20 - 09:45

**DISCUSSION**
  09:45 - 10:00

**Workshop: Musculoskeletal**
08:30 - 10:00  
**Hall 1B**

**EXERCISE: IMPACT AND MEASUREMENT**

**Chairs:**  
H. Wittink (Netherlands)

- **EXERCISE AND HYPOALGESIA**
  - H.B. Vaegter (Denmark)  
  08:30 - 08:55

- **NEUROSCIENCE EDUCATION AND EXERCISE**
  - M. Meeus (Belgium)  
  08:55 - 09:20

- **PHYSICAL ACTIVITY INTENSITY AND MEASUREMENT**
  - H. Wittink (Netherlands)  
  09:20 - 09:45

**DISCUSSION**
  09:45 - 10:00

**Workshop: General**
08:30 - 10:00  
**Room 2H**

**CORE DATA AND PERFORMANCE MEASUREMENT FOR CHRONIC PAIN: A PROJECT TO INFORM NATIONAL, AND INTERNATIONAL, IMPROVEMENT IN CHRONIC PAIN TREATMENT AND PROVISION**

**Chairs:**  
P. Cameron (United Kingdom)
Scientific Programme

DEVELOPMENT AND IMPLEMENTATION OF QUALITY PERFORMANCE INDICATORS FOR CHRONIC PAIN IN SCOTLAND
P. Cameron (United Kingdom) 08:30 - 08:55

A NATIONAL CORE MINIMUM DATASET FOR CHRONIC PAIN IN SCOTLAND
M. Laskawska (United Kingdom) 08:55 - 09:20

VAPAIN: INTERNATIONAL CONSENSUS DEVELOPMENT OF CORE DOMAINS FOR INTERDISCIPLINARY PAIN THERAPIES
U. Kaiser (Germany) 09:20 - 09:45

DISCUSSION 09:45 - 10:00

Oral Communications
08:30 - 10:00

ORAL COMMUNICATIONS 1
Room 4F

Chairs:
L. Goubert (Belgium)

CAN OXYTOCIN INFLUENCE PLACEBO AND NOCEBO EFFECTS IN PAIN?
A. Skvortsova (Netherlands) 08:30 - 08:40

DEVELOPING A BIOPSYCHOSOCIAL PAIN AND OPIOID USE CURRICULUM FOR MEDICAL STUDENTS AT MAYO CLINIC
J. Sperry (United States) 08:40 - 08:50

PAIN CONSULTATIONS IN CHILDREN AND YOUNG PEOPLE - A POPULATION-BASED CONSULTATION PREVALENCE STUDY
E. Bondesson (Sweden) 08:50 - 09:00

AN ULTRA-FAST SYSTEM FOR SIGNALING MECHANICAL PAIN IN HUMAN SKIN
S. Nagi (Sweden) 09:00 - 09:10

WHY IS RUNNING A MARATHON LIKE GIVING BIRTH? THE ROLE OF POSITIVE AFFECT AND THE MEANING OF THE PAIN EXPERIENCE IN THE MEMORY OF PAIN
P. Babel (Poland) 09:10 - 09:20

PRIORITIZING PAIN: AN ANALYSIS OF THE POLICY ENVIRONMENT AFFECTING PATIENTS SUFFERING FROM CHRONIC PAIN ACROSS EUROPE
T. Toelle (Germany) 09:20 - 09:30

DEVELOPING THE NETWORK PAIN REHABILITATION LIMBURG: RESULTS OF A FEASIBILITY STUDY
C. Lamper (Netherlands) 09:30 - 09:40

THE POSITIVE IMPACT OF PAIN-SPECIFIC RESILIENCE IN PEOPLE LIVING WITH HIV AND CHRONIC PAIN
B. Goodin (United States) 09:40 - 09:50
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Special Session
10:30 - 12:00
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PAIN OUT: PROGRESSION TO THE NEXT STAGE

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Chairs:
R. van Boekel (Netherlands)

- PAIN OUT: LEARNING FROM DATA TO IMPROVE PAIN MANAGEMENT 10:30 - 10:55
  W. Meissner (Germany)
  R. van Boekel (Netherlands)
- PAIN OUT PROJECT IN SERBIA: CLINICAL EXPERIENCE OF IMPROVING POSTOPERATIVE PAIN MANAGEMENT 11:20 - 11:45
  D. Stamenkovic (Serbia)

DISCUSSION 11:45 - 12:00

Workshop: Neuropathic Pain
10:30 - 12:00
Auditorium 1A

IMPROVING NON-INVASIVE BRAIN STIMULATION IN PAIN THERAPY BY UNDERSTANDING AND IMPLEMENTING CIRCUIT MECHANISMS

225

Chairs:
R. Kuner (Germany)

- CHEMOGENETIC AND OPTOGENETIC STUDIES UNRAVELLING BRAIN CIRCUITS MEDIATING PAIN RELIEF VIA MOTOR CORTEX STIMULATION IN RODENT MODELS OF NEUROPATHIC PAIN 10:30 - 10:55
  R. Kuner (Germany)
- TAPPING UNEXPECTED TARGETS: HIDDEN MECHANISMS OF MOTOR CORTEX STIMULATION FOR PAIN RELIEF 10:55 - 11:20
  L. Garcia-Larrea (France)
- FACILITATED CORTICAL EXCITABILITY IN PROLONGED EXPERIMENTAL PAIN CONDITIONS AND THE EFFECTS OF RTMS ON THE HUMAN DORSOLATERAL PREFRONTAL CORTEX 11:20 - 11:45
  T. Graven-Nielsen (Denmark)

DISCUSSION 11:45 - 12:00
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Workshop: Basic Science
10:30 - 12:00

INVFLAMMATORY MARKERS OF CHRONIC PAIN AND PAIN SENSITIVITY - USING BIOMARKER PANELS FOR MOLECULAR DISCOVERY IN HUMANS
196
Chairs:
C.S. Nielsen (Norway)

OMEGA-3 RESOLVINS AND OMEGA-6 OXYLIPINS AS CIRCULATING MARKERS OF HEAT PAIN SENSITIVITY AND OSTEOARTHRITIS PAIN
A. Valdes (United Kingdom)
10:30 - 10:55

PROTEOMIC AND LIPIDOMIC PROFILING OF PAIN SENSITIVITY
C.S. Nielsen (Norway)
10:55 - 11:20

CEREBROSPINAL FLUID MARKERS OF CHRONIC PAIN PATHOPHYSIOLOGY
E. Bäckryd (Sweden)
11:20 - 11:45

DISCUSSION
11:45 - 12:00

Refresher Course: Pain Syndromes
10:30 - 12:00

PAIN DURING AGING
Physiotherapist Track
Chairs:
D. Tibboel (Netherlands)

PAIN IN CHILDREN
D. Tibboel (Netherlands)
10:30 - 10:55

PAIN IN ADOLESCENTS
M. Schäfer (Germany)
10:55 - 11:20

PAIN IN THE ELDERLY
P. Schofield (United Kingdom)
11:20 - 11:45

DISCUSSION
11:45 - 12:00

Workshop: Neuromodulation
10:30 - 12:00

EUROPEAN E-HEALTH TOOL TO (PRE)SELECT SPINAL CORD STIMULATION PATIENTS

INTRODUCTION
F. Huygen (Netherlands)
10:30 - 10:40

METHODOLOGY AND E-HEALTH TOOL
H. Stoeverlaar (Netherlands)
10:40 - 10:55
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**CLINICAL ASPECTS**
S. Thomson (United Kingdom) 10:55 - 11:10

**CLINICAL CASES**
F. Huygen (Netherlands)
S. Thomson (United Kingdom) 11:10 - 11:25

**PSYCHOSOCIAL ASPECTS**
11:25 - 11:40

**‘COMBI’ CASES**
S. Thomson (United Kingdom) 11:40 - 11:55

**TAKE HOME MESSAGES**
F. Huygen (Netherlands) 11:55 - 12:00

Workshop: Pharmacological Topics
10:30 - 12:00  Room 2H

**GENETIC GUIDED PHARMACOLOGICAL PAIN THERAPY II: CLINICAL IMPLEMENTATION: BENEFITS, CHALLENGES AND PITFALLS**
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**Chairs:**
L.L. Christrup (Denmark)

**DO WE NEED A DNA PASSPORT?**
R. van Schaik (Netherlands) 10:30 - 10:55

**PHARMACOGENOMIC GUIDED PAIN THERAPY - FUTURE CHALLENGES AND PITFALLS**
A. Somogyi (Australia) 10:55 - 11:20

**IMPLEMENTATION OF PHARMACOGENOMIC GUIDED THERAPY AT DANISH MULTIDISCIPLINARY PAIN CENTRES**
L.L. Christrup (Denmark) 11:20 - 11:45

**DISCUSSION** 11:45 - 12:00

Workshop: Psychology
10:30 - 12:00  Room 4C

**BEYOND WORDS: EXPLORING FACIAL, VOCAL AND BODILY COMMUNICATION OF PAIN ACROSS THE LIFESPAN**
134

**Chairs:**
E. Keogh (United Kingdom)

**ATTENDING TO FACIAL, VOCAL AND BODY EXPRESSIONS OF PAIN: ARE THERE DIFFERENTIAL EFFECTS FOR MEN AND WOMEN?**
E. Keogh (United Kingdom) 10:30 - 10:55
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MORE THAN CRYING: UNDERSTANDING AND MEASURING NONVERBAL COMMUNICATION IN PEDIATRIC PAIN CONTEXTS  10:55 - 11:20
C.M. McMurtry (Canada)

NONVERBAL COMMUNICATION OF PAIN IN OLDER ADULTS: NEW DEVELOPMENTS IN AUTOMATIC PAIN DETECTION  11:20 - 11:45
M. Kunz (Netherlands)

DISCUSSION  11:45 - 12:00

Oral Communications  10:30 - 12:00

Room 4F

ORAL COMMUNICATIONS 2

Chairs:
E. Pogatzki-Zahn (Germany)

PAIN AS A FIRST AND ONE OF THE MOST DISTURBING SYMPTOMS OF MULTIPLE SCLEROSIS  10:30 - 10:40
M. Bozhenko (Ukraine)

IS THE ALTERED BRAIN MORPHOLOGY IN CHRONIC PANCREATITIS DRIVEN BY PAIN OR OTHER DISEASE CHARACTERISTICS?  10:40 - 10:50
J.A. Muthulingam (Denmark)

EFFECTS OF A TAILORED EXERCISE PROGRAM IN KNEE OSTEOARTHRITIS PATIENTS WITH CHRONIC PAIN: AN FNIRS STUDY  10:50 - 11:00
Ö. Öztürk (Turkey)

A PROSPECTIVE GLOBAL REGISTRY OF REAL-WORLD OUTCOMES USING SPINAL CORD STIMULATION SYSTEMS FOR CHRONIC PAIN  11:00 - 11:10
S. Thomson (United Kingdom)

POLYMORPHISMS OF THE µ-OPIOID RECEPTOR GENE INFLUENCE PAIN PROCESSING IN FIBROMYALGIA AND HEALTHY CONTROLS  11:10 - 11:20
I. Ellerbrock (Sweden)

FACILITATORY AND INHIBITORY PAIN MECHANISMS IN HUMANS: METHODOLOGICAL ADVANCES  11:20 - 11:30
M. Hubli (Switzerland)

DIFFUSE NOXIOUS INHIBITORY CONTROLS AND BRAIN NETWORKS ARE MODULATED IN A TESTOSTERONE-DEPENDENT MANNER IN SPRAGUE DAWLEY RATS  11:30 - 11:40
J. Da Silva (United States)

Poster Session  12:10 - 13:00

Poster Area

BASICS IN PAIN WALK 1

Chairs:
E. Pogatzki-Zahn (Germany)
MICROGLIA PROMOTE NEUROPATHIC PAIN VIA ELIMINATING GABAERGIC SYNAPSES IN SPINAL CORD
Y. Zou (Hong Kong)

CLASSICAL MOLECULAR DYNAMICS: A TOOL TO SPEED THE PAIN RESEARCH UP
F. Andrijauskas (Brazil)

WHOSE DECISION IS THE BEST DECISION? CLINICAL DECISION-MAKING REGARDING THE MANAGEMENT OF PAIN: DIFFERENCES BETWEEN NOVICE, INTERMEDIATE AND EXPERT NURSES
I. Zlatkin (Israel)

RECOVER-E - A MOBILE SUPPORT FOR PATIENTS WITH HIP- OR KNEE REPLACEMENT
N. Nestler (Austria)

THE ROLE OF STRUCTURED PAIN MANAGEMENT EDUCATION TO PREVENT PAIN UNDERESTIMATION AMONG NURSING STUDENTS
M. Yildirim (Spain)

CURRENT TREATMENTS FOR CHRONIC PAIN MANAGEMENT: EFFECTS OF ONLINE EDUCATION ON RHEUMATOLOGIST AND PRIMARY CARE PHYSICIAN KNOWLEDGE AND CONFIDENCE
T. Oneil (United States)

KNOWLEDGE AND PRACTICE OF PAIN ASSESSMENT AND MANAGEMENT AMONG NURSES IN SERBIA
M. Srebro (Serbia)

EUROPEAN KNOWLEDGE ALLIANCE FOR INNOVATIVE MEASURES IN PREVENTION OF WORK-RELATED MUSCULOSKELETAL DISORDERS
P. Bellosta-López (Spain)

RESULTS OF THE WHO FIELD TESTING FOR THE CLASSIFICATION OF CHRONIC PAIN FOR THE ICD-11
B. Korwisi (Germany)

**Poster Session**
12:10 - 13:00

**DIAGNOSIS AND MEASUREMENT IN PAIN WALK 1**

AWARENESS OF AND ADHERENCE TO CONCUSSION GUIDELINES AMONG COACHES IN HANDBALL IN DENMARK
P.T. Aarup (Denmark)

DEFINING THE THERAPEUTIC WINDOW (TW) FOR SPINAL CORD STIMULATION (SCS) USING EVOKED COMPOUND ACTION POTENTIAL (ECAP) RECORDINGS - RESULTS FROM THE EVOKE STUDY
J.W. Kallewaard (Netherlands)

ACUTE POST-OPERATIVE PAIN AFTER ORTHOGNATHIC SURGERY COULD BE PREDICTED BY CONDITIONED PAIN MODULATION (CPM) AND PAIN CATASTROPHIZING SCALE (PCS)-MAGNIFICATION
K. Takashima (Japan)
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**DIFFERENCES IN PRESSURE PAIN THRESHOLDS IN COMPUTER WORKERS WITH CHRONIC TRAPEZIUS MYALGIA, NON-SPECIFIC CHRONIC NECK PAIN AND HEALTHY WORKERS**
A. Nunes (Portugal)

**MONITORING ELECTRICAL BRAIN RESPONSES AROUND NOCICEPTIVE DETECTION THRESHOLD**
T. Berfelo (Netherlands)

**PRECLINICAL AND CLINICAL MEASUREMENTS OF DESCENDING CONTROLS: A TRANSLATIONAL STUDY**
T. Cummins (United Kingdom)

**EVOKE COMPOUND ACTION POTENTIAL (ECAP) RECORDINGS PROVIDE INSIGHT INTO THE VARIABILITY OF SPINAL CORD (SC) ACTIVATION DURING SPINAL CORD STIMULATION (SCS)**
H. Nijhuis (Netherlands)

**ASSESSING CHRONIC PAIN HEALTH LITERACY: A SCOPING REVIEW OF PAIN-SPECIFIC INSTRUMENTS**
P. Mandysova (Czech Republic)

**Poster Session**
12:10 - 13:00

**PAIN SYNDROMES WALK 1**

**Chairs:**
M. Kocot Kepska (Poland)

**INVASIVE TREATMENT MODALITIES' IMPACT ON CLINICALLY RELEVANT OUTCOMES AT 12 MONTHS FOLLOW-UP IN A CHRONIC PAIN POPULATION - AN OSLO UNIVERSITY HOSPITAL PAIN REGISTRY STUDY**
L.-P. Granan (Norway)

**MITOCHONDRIA ARE REQUIRED FOR PAIN MEMORY IN SENSORY NEURONS**
H. Willemen (Netherlands)

**KETAMINE AND CHRONIC PAIN: A COHORT STUDY**
A. Corriger (France)

**THE INCIDENCE AND CHARACTERISTICS OF PERSISTENT PAIN FOLLOWING LABOUR - A SWEDISH COHORT STUDY**
B. Molin (Sweden)

**PRELIMINARY ANALYSIS OF PREDICTORS OF SUCCESS AT 12 MONTH FOLLOW-UP IN A GENERAL CHRONIC PAIN POPULATION - THE OSLO UNIVERSITY HOSPITAL PAIN REGISTRY PREDICTOR STUDY**
L.-P. Granan (Norway)

**INCREASED MUSCLE PAIN EVOKED BY ISCHEMIC CONTRACTIONS IN A NERVE GROWTH FACTOR (NGF)-SENSITIZED MUSCLE**
L.B. Sørensen (Denmark)

**NEURAL CORRELATES OF COGNITIVE INHIBITION AND FACILITATION OF PAIN EXPERIENCES - PAIN RELATED THOUGHT SUPPRESSION, DISTRACTION AND PAIN CATASTROPHIZING**
O. Chehadi (Germany)
GREATER OCCIPITAL NERVE BLOCK: A MINIMALLY INVASIVE ALTERNATIVE TO BLOOD PATCH FOR POST DURAL PUNCTURE HEADACHE TREATMENT

Poster Session
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Poster Area

PAIN SYNDROMES WALK 4

Chairs:
V. Mayoral Rojals (Spain)

THE NIH MINIMAL DATASET FOR CHRONIC LOW BACK PAIN: RESPONSIVENESS AND MINIMAL CLINICALLY IMPORTANT CHANGE
A.L. Dutmer (Netherlands)

MILD SKIN WARMING SELECTIVELY AGGRAVATES HISTAMINERGIC AND SEROTONINERGIC ITCH - A HUMAN EXPERIMENTAL STUDY
D. Riccio (Denmark)

THE ASSOCIATION BETWEEN BODY IMAGE AND PRESSURE PAIN THRESHOLD: RESTING-STATE FMRI STUDY
A.C. Köster (Germany)

QUANTITATIVE SENSORY TESTING PROFILES OF PATIENTS WITH LUMBAR RADICULOPATHY - DO THEY ASSIST IN PREDICTING CLINICAL OUTCOME AFTER SURGERY?
B. Tampin (Australia)

A NON-PHARMACOLOGICAL PREHABILITATION PROGRAM BASED ON A COGNITIVE-BEHAVIORAL APPROACH FOR PATIENTS SCHEDULED FOR LUMBAR SURGERY - A ONE YEAR FOLLOW-UP OF A RANDOMIZED CONTROLLED TRIAL
M. Lundberg (Sweden)

ENHANCED PRO-NOCICEPTIVE MECHANISMS ARE PRESENT IN RECURRENT LOW BACK PAIN PATIENTS, BUT ONLY DURING A PAINFUL EPISODE, IN CONTRAST TO ANTI-NOCICEPTIVE MECHANISMS
M. McPhee (Denmark)

SUBCUTANEOUS TANEZUMAB VERSUS PLACEBO OR TRAMADOL IN PATIENTS WITH CHRONIC LOW BACK PAIN: 16-WEEK EFFICACY AND SAFETY RESULTS FROM A PHASE 3 STUDY
J. Markman (United States)

EVIDENCE BASED TREATMENT RECOMMENDATIONS FOR BACK AND NECK PAIN ACROSS EUROPE: A SYSTEMATIC REVIEW OF GUIDELINES
G. Wynne-Jones (United Kingdom)

INDIVIDUAL PATTERN OF PAIN-RELATED CORTICAL ACTIVITY IN PATIENTS WITH CHRONIC MIGRAINE AND CHRONIC BACK PAIN
E. Schulz (Germany)
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**Poster Session**  
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*Poster Area*

**PAIN SYNDROMES WALK 2**

**Chairs:**  
F. Huygen (Netherlands)

**EFFECT OF DEXMEDETOMIDINE ON THE DEVELOPMENT OF MECHANICAL ALLODYNYA AND CENTRAL SENSITIZATION IN CHRONIC POST-ISCHEMIA PAIN RATS**  
Y. Jinseok (Korea, Republic of)

**NEUROINFLAMMATORY MECHANISMS OF CENTRAL SENSITIZATION ARE MEDIATED BY TNF- AND IL-1-DRIVEN PATHWAYS IN A PASSIVE TRANSFER-TRAUMA MOUSE MODEL OF COMPLEX REGIONAL PAIN SYNDROME (CRPS)**  
N. Szentes (Hungary)

**“WHEN I REALIZED IT WORKED, I KEPT ON GOING” - PRELIMINARY FINDINGS: A QUALITATIVE STUDY OF CRPS-PATIENTS’ EXPERIENCES WITH GRADED MOTOR IMAGERY**  
I. Krogstad Furu (Norway)

**PERIPHERAL VAGOSYMPATHETIC BLOCKADE IN THE CRPS THERAPY**  
J. Procházka (Czech Republic)

**WHAT IS THE INCIDENCE OF COMPLEX REGIONAL PAIN SYNDROME TYPE I WITHIN FOUR MONTHS OF A WRIST FRACTURE IN THE ADULT POPULATION? A SYSTEMATIC REVIEW**  
C. Rolls (United Kingdom)

**PRE-EXISTING HEADACHE HAS A POSTPONED CLINICAL WORSENING AFTER POST DURAL PUNCTURE HEADACHE**  
S. Ljubisavljevic (Serbia)

**Poster Session**  
12:10 - 13:00  
*Poster Area*

**PAIN SYNDROMES WALK 3**

**Chairs:**  
P. Geppetti (Italy)

**NOCICEPTIVE DESENSITIZATION INDUCED BY 8% TOPICAL CAPSAICIN IN A MODEL OF UVB-INDUCED CUTANEOUS HYPERALGESIA**  
S. Lo Vecchio (Denmark)

**EVIDENCE FOR HUMAN MINERALOCORTICOID AND GLUCOCORTICOID RECEPTORS ON PERIPHERAL NOCICEPTIVE NEURONS - TRANSLATION FROM ANIMAL TO HUMAN BIOLOGY**  
M. Schäfer (Germany)

**CORRELATIONS BETWEEN THE SEVERITY OF NEUROPATHIC PAIN AND SERUM CONTENTS OF BDNF AND TRKB IN PATIENTS WITH DIABETIC NEUROPATHY**  
T. Filimonova (Russian Federation)

**DATA DRIVEN QUANTIFICATION OF THE EFFECTS OF DIFFERENT DOSES OF GABAPENTIN FOR PAIN IN CHRONIC PHASE IN MICE USING MANGANESE-ENHANCED MRI WITH AI BASED ANALYSES**  
A. Nakae (Japan)
Scientific Programme

SHAM-CONTROLLED NAVIGATED REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN CENTRAL POST-STROKE PAIN TARGETING M1 AND S2
J. Ojala (Finland)

STUDY OF SEX DIFFERENCES IN PAIN-, DEPRESSION- AND ANXIETY-RELATED BEHAVIOURS IN THE RAT SPARED NERVE INJURY MODEL OF NEUROPATHIC PAIN
L. Boullon (Ireland)

CHARACTERIZATION OF THE GERMAN HEALTH CARE LANDSCAPE OF MIGRAINE PATIENTS IN THE DATA COLLECTION PANORAMA
M. Koch (Germany)

LATE USE OF SYMPTOMATIC PHARMACOLOGICAL TREATMENT IS ASSOCIATED WITH HIGHER SENSITIZATION IN PATIENTS WITH TENSION TYPE HEADACHE
M. Castaldo (Denmark)

Poster Session
12:10 - 13:00
Poster Area

PAIN THERAPIES WALK 2

Chairs:
W. Meissner (Germany)

EFFECTIVENESS OF OSTEOPATHIC MANIPULATION TO CRITICALLY EVALUATE SEVERITY SYMPTOMS IN IRRITABLE BOWEL SYNDROME - IBS
A. Ciardo (Spain)

REDUCED PAIN PERCEPTION AND ANALGESIC MEDICATION CONSUMPTION AFTER ACOUSTIC BINAURAL BEATS APPLICATION IN PATIENTS SUFFERING FROM CHRONIC PAIN - A RANDOMIZED CONTROL TRIAL
V. Gkolias (Greece)

THE INFLUENCE OF INFORMATION ON THE HYPOALGESIC EFFECTS OF EXERCISE - A RANDOMIZED CONTROLLED DOUBLE-BLIND STUDY
H.B. Vaegter (Denmark)

IS IT POSSIBLE TO EVALUATE THE EFFECTS OF KINESIO TAPING ON MYOFASCIAL TRIGGER POINTS USING ULTRASOUND SHEAR-WAVE ELASTOGRAPHY? QUANTIFICATION OF KINESIO TAPING
S. Kutlay (Turkey)

AN INVESTIGATION INTO THE EFFECT OF ALTERING THE SIZE OF A VIRTUAL LIMB ON EMBODIMENT AND EXPERIMENTALLY-INDUCED CONTACT THERMAL HEAT PAIN IN HEALTHY PARTICIPANTS
P.G. Wittkopf (United Kingdom)

EFFECTIVENESS OF PAIN NEUROSCIENCE EDUCATION AND COPING SKILLS TRAINING FOR PATIENTS WITH PAIN CATASTROPHISM SCHEDULED FOR A TOTAL KNEE ARTHROPLASTY: RANDOMIZED CONTROLLED PILOT STUDY
M. Terradas-Monllor (Spain)
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PAIN THERAPIES WALK 1

Chairs:
J. Osterbrink (Austria)

2 YEARS FOLLOW-UP RESULTS OF COOLED VERSUS CONVENTIONAL RADIOFREQUENCY DENERVATION FOR SACROILIAC JOINT PAIN: A RETROSPECTIVE EVALUATION
A. Tinnirello (Italy)

THE OPTIMAL VOLUME OF LOCAL ANESTHETICS FOR TEMPERATURE INCREASE ON THE UPPER EXTREMITY IN ULTRASOUND-GUIDED STELLATE GANGLION BLOCK: A PROSPECTIVE RANDOMIZED AND COMPARATIVE STUDY
Y. Yoo (Korea, Republic of)

THERMAL VERSUS SUPER VOLTAGE PULSED RADIOFREQUENCY OF STELLATE GANGLION IN POST MASTECTOMY NEUROPATHIC PAIN SYNDROME: A PROSPECTIVE RANDOMIZED TRIAL
D. Nabil Abbas (Egypt)

HEALTH PROFESSIONALS’ EXPERIENCE OF WORKING WITH PAIN REHABILITATION FOR IMMIGRANTS WHEN LANGUAGE INTERPRETER ARE NEEDED, A QUALITATIVE STUDY
J.A. Priebe (Germany)

MULTIDISCIPLINARY BACK PAIN APP IMPROVES PAIN AND SLEEP SYMPTOMS IN INDIVIDUALS SUFFERING FROM BACK PAIN - RETROSPECTIVE STUDY
E. Dragioti (Sweden)

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EPOSTER VIEWING

THE RELATIONSHIP BETWEEN PAIN-RELATED COGNITIVE AND EMOTIONAL FACTORS AND HEALTHCARE UTILIZATION: A SYSTEMATIC REVIEW
E. Huysmans (Belgium)

RESPONSIVENESS OF THE PAIN DISABILITY INDEX IN PATIENTS UNDERGOING INTERDISCIPLINARY PAIN REHABILITATION
S. Pulles (Netherlands)

FINDINGS AFTER EXPERIENCE WITH AN ONLINE RESOURCE FOR RESEARCHERS WORKING IN CHRONIC PAIN
E. Quetglas (Spain)

GENERALIZED INFORMATION PROCESSING AND EXECUTIVE FUNCTION PREDICTS PAIN MODULATION IN HEALTHY MALES
Y. Granovsky (Israel)

CHRONIC PAIN ASSOCIATED WITH TRAUMATIC FOOT AND ANKLE AMONG ATHLETES
A.S. Nica (Romania)
THE MUTUAL INFLUENCE BETWEEN SOCIAL DEFEAT STRESS AND REPEATED INFLAMMATORY STIMULUS ON INDUCTION OF DEPRESSIVE-LIKE BEHAVIOR AND PERSISTENT HYPERALGESIA IN MICE
L. Nicolai Piardi (Brazil)

THE NIH HEAL INITIATIVE: ACCELERATING THE DISCOVERY AND CLINICAL DEVELOPMENT OF NON-ADDICTIVE THERAPEUTICS FOR PAIN.
S. Iyengar (United States)

PAIN AND SLEEP: A SERVICE EVALUATION OF PAIN INTERVENTIONAL PROCEDURES
R. Correa (United Kingdom)

RELIABILITY AND VALIDITY OF THE TURKISH VERSION OF PAIN VIGILANCE AND AWARENESS QUESTIONNAIRE (PVAQ-TR)
İ. Çıtak Karakaya (Turkey)

EVALUATION OF THE EFFECTIVENESS OF PRF IN SELECTED PAIN SYNDROMES
K. Brzezinski (Poland)

PILOT STUDY: PAIN, FUNCTIONAL STATUS AND QUALITY OF LIFE IN WOMEN ACCORDING TO REGULAR EXERCISE HABIT
F. Unver (Turkey)

CORRELATIONS OF FOUR DIFFERENT PATIENT-REPORTED OUTCOME MEASURES IN PATIENTS WITH SHOULDER PAIN
M.G. Karakaya (Turkey)

POSTHERPETIC NEURALGIA, CERVICAL MYELITIS AND CEREBRAL VASCULOPAHTY CAUSED BY VARICELLA ZOSTER VIRUS IN A PREVIOUSLY HEALTHY 9-YEAR-OLD CHILD
Y. Joo (Korea, Republic of)

COMPARISON OF SUBTENON BLOCK, PERIBULBAR BLOCK AND IV FENTANYL FOR PERIOPERATIVE ANALGESIA IN PAEDIATRIC CATARACT SURGERY
D. Shende (India)

INTRAOPERATIVE EVALUATION OF THE NOCICEPTION LEVEL INDEX IN PAEDIATRIC PATIENTS UNDER GENERAL ANAESTHESIA
J.-M. Ahijado-Agudo (Spain)

INTERCOSTAL ULTRASOUND GUIDED BLOCK IN A PAEDIATRIC PATIENT WITH NOONAN SYNDROME AND CHRONIC REFRACtORY PAIN
J.-M. Ahijado-Agudo (Spain)

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S. Bunk (Netherlands)

INVESTIGATE THE EFFECT OF LOW BACK PAIN INTENSITY ON LUMBAR REGION FLEXIBILITY, ACTIVE HIP FLEXION MOVEMENT AND QUALITY OF LIFE IN PATIENTS WITH HIP OSTEOARTHRITIS
E. Aslan Telcigurugram (Turkey)

PAIN AND HEALTH-RELATED QUALITY OF LIFE BY FRAILTY STATUS IN OLDER ADULTS RECRUITED TO THE PREVENTION OF FALLS INJURY TRIAL (PREFIT)
J. Bruce (United Kingdom)

RELIABILITY AND VALIDITY OF FIVE TIMES SIT TO STAND TEST IN PREGNANCY-RELATED PELVIC GIRDLE PAIN
İ. Çıtak Karakaya (Turkey)

“IT'S JUST GIVING A LOLLYPOP TO A CRYING BABY”- TORTURE-SURVIVORS' EXPERIENCES OF HEALTHCARE SERVICES FOR MANAGING PERSISTENT PAIN
D. Board (United Kingdom)

PAIN ASSESSMENT IN DISABLED ADULTS: A FEW MISSING PIECES IN THE JIGSAW
J. Goubayon (France)

EFFECTIVE NON-DRUG TREATMENTS FOR PAIN IN PEOPLE WITH DEMENTIA IN AGED RESIDENTIAL CARE SETTINGS: A QUANTITATIVE AND QUALITATIVE SYSTEMATIC LITERATURE REVIEW
J. Rundle (United Kingdom)

CHARACTERIZING EXPERIMENTAL ACUTE SHOULDER PAIN, AND THE EFFECT OF CLINICAL PROVOCATION TESTS
N. D'hondt (Netherlands)

THE IMPACT OF MIDAZOLAM ON POSTOPERATIVE PAIN - A MULTICENTRIC PROSPECTIVE PILOT STUDY
C. Dahlem (Portugal)

ORPHAN NUCLEAR RECEPTOR NR4A1 REGULATES INFLAMMATION AND RESOLUTION OF POSTOPERATIVE PAIN
R. Tonello (United States)
FUNCTIONAL SPATIAL INTEGRATION OF MULTIPLE CONCURRENT ELECTRICAL STIMULATION ASSESSED BY MEANS OF THE NOCICEPTIVE WITHDRAWAL REFLEX IN HUMANS
M.C. Henrich (Denmark)

THE EFFICACY OF NALBUPHINE VERSUS FENTANYL AS ADDITIVES TO BUPIVACAINE IN SPINAL ANAESTHESIA FOR INTERNAL FIXATION OF TIBIA-A DOUBLE BLINDED STUDY.
M.H. Ahmad Sabry (Egypt)

DIFFERENT TITRATION OF FBT FOR BTCP CONTROL
E. Goraj (Poland)

INKK TRIAL : INTRAOPERATIVE KETAMINE FOR PERIOPERATIVE PAIN MANAGEMENT FOLLOWING TOTAL KNEE REPLACEMENT IN ONCOLOGY: A DOUBLE BLINDED RANDOMIZED TRIAL
S. Paulin (India)

ARE PATIENT EDUCATION AND SELF-CARE ADVANTAGEOUS FOR PATIENTS WITH HEAD AND NECK CANCER? A FEASIBILITY STUDY
A. Söderlund Schaller (Sweden)

TRANS-SACROCOCCYGEAL JUNCTION BLOCK OF GANGLION IMPAR FOR PERINEAL PAIN CONTROL IN ADVANCED CANCER PATIENTS
N. Yordanov (Bulgaria)

NEW PERSPECTIVES ON THE TREATMENT OF COMPLEX REGIONAL PAIN SYNDROME BY KETAMINE
M. Sorel (France)

INVOLVEMENT OF IFN-γ OF TRIGEMINAL SPINAL SUBNUCLEUSCAUDAL MICROGLIA IN NEUROPATHIC PAIN IN RATS WITH INFRAORBITAL NERVE INJURY
S. Asano (Japan)

MULTI-MODAL ELECTROPHYSIOLOGICAL ASSESSMENTS OF DISTINCT SPINOThALAMIC FIBRE TRACTS IN CERVICAL MYELOPATHY
J. Rosner (Switzerland)

CHRONIC TENSION-TYPE HEADACHE AND COPING STRATEGIES IN ADOLESCENTS. A QUALITATIVE INTERVIEW STUDY
L.H. Magnus sen (Norway)

PSYCHOLOGICAL AND DEMOGRAPHICAL ASPECTS OF CHRONIC TENSION-TYPE HEADACHES: PATIENTS’ ATTENDANCE IN THE PAIN CLINIC
M. Churukanov (Russian Federation)

A COMPASS FOR DECRYPTING THE NOCIPLASTIC PAIN MECHANISM OF TENSION-TYPE HEADACHE BASED ON NONLINEAR MULTIDIMENSIONAL ANALYSIS (DETERMINISTIC CHAOS) EEG
K. Stepanchenko (Ukraine)

SENSITIZATION OF TRIGEMINAL NUCLEUS IN SUBJECTS WITH MIGRAINE INTERICTALLY
S. Di Antonio (Denmark)

THE EFFECT OF TREATMENT ON PAIN, FUNCTION AND MOBILITY IN ANKYLOSING SPONDYLITIS
P. Athanassiou (Greece)
Scientific Programme

RISK FACTORS FOR NEW EPISODES OF BACK PAIN IN EMERGING ADULTS. A SYSTEMATIC REVIEW
B.E. Øiestad (Norway)

QST PREDICTORS OF PHYSICAL EXERCISE TRAINING EFFECTS ON CHRONIC LOW BACK PAIN
K. Cool (Canada)

A COMMUNITY SURVEY TO ASSESS THE PREVALENCE, PAIN INTENSITY AND DISABILITY OF LOW BACK PAIN AMONG THE NORTH INDIAN POPULATION
D. Bansal (India)

DIET-MEDIATED PAIN AND INFLAMMATION: NUTRITIONAL CONSIDERATIONS IN SPINAL PAIN DISORDERS
R. Russell (United States)

HIGH-DENSITY ELECTROMYOGRAPHY PROVIDES NEW INSIGHTS INTO THE FLEXION RELAXATION PHENOMENON IN PEOPLE WITH LOW BACK PAIN
C. Murillo (Belgium)

DEMOGRAPHIC DATA AND CLINICAL CHARACTERISTICS OF PATIENTS WITH CHRONIC LOW BACK PAIN - RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS' RESEARCH
B. Morlion (Belgium)

SYMPTOM SEVERITY IN BURNING MOUTH SYNDROME ASSOCIATES WITH PSYCHOLOGICAL FACTORS
H. Forssell (Finland)

A NOVEL CYTOKINE AXIS ASSOCIATED WITH NEUROPATHIC PAIN
O.O. Solis-Castro (United Kingdom)

OROFACIAL ALLODYnia IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IS ACCOMPANIED BY GLIA ACTIVATION IN THE CENTRAL NERVOUS SYSTEM AND BY METABOLIC ALTERATIONS IN THE TRIGEMINAL GANGLION
S. Ceruti (Italy)

THE USE OF RADIOFREQUENCY THERMAL DENERVATION OF THE TRIGEMINAL GANGLION FOR MALIGNANT TRIGEMINAL NEUROPATHY: A CASE REPORT
M. Menon (India)

KINESIOTAPING IN RECOVERING OF THE MOVEMENT PATTERNS IN PATIENTS WITH MYOFASCIAL PAIN SYNDROME IN THE CRANIOMANDIBULAR REGION
A. Barulin (Russian Federation)

ULTRASONIC VOCALIZATION ANALYSIS FOR THE STUDY OF THE AFFECTIVE COMPONENT OF ACUTE OROFACIAL PAIN AND EMOTIONAL CONTAGION OF PAIN IN RATS
J. Geremias Chichorro (Brazil)

SENSITIZATION IN PATIENTS WITH CHRONIC PAIN FOLLOWING KNEE OSTEOARTHRITIS OR TOTAL KNEE ARTHROPLASTY
J.B. Larsen (Denmark)

POSTOPERATIVE PAIN CONTROL AFTER TOTAL KNEE REPLACEMENT IN PATIENTS WITH END STAGE OSTEOARTHRITIS
A. Gavrilovski (Macedonia, the Former Yugoslav Republic of)

MIA-INDUCED OSTEOARTHRITIS-LIKE KNEE PAIN IMPACTS ON COGNITIVE FUNCTIONS IN LISTER HOODED RATS
S. Goncalves (United Kingdom)
CIRCUITLING GLUTAMATE/ANANDAMIDE RATIO DIFFERS AFTER 30 MINUTES ARM-CYCLING IN CHRONIC PAIN SUBJECTS COMPARED WITH HEALTHY CONTROLS
N. Stensson (Sweden)

THE EFFECT OF A POSTURE CUEING SHIRT ON POSTURE AND PERCEIVED PAIN DURING A COMPUTER TASK IN HEALTHY PARTICIPANTS
S. Christensen (Denmark)

RISK FACTORS FOR NECK PAIN IN YOUNG ADULTS - A SYSTEMATIC REVIEW
H. Jahre (Norway)

IMPAIRED SHOCK ATTENUATION IN PEOPLE WITH CHRONIC NECK PAIN DURING CURVILINEAR GAIT
D. Jiménez-Grande (United Kingdom)

SMALL CASE SERIES: PELVIC PAIN OUTCOMES AFTER TRANS-VAGINAL MESH REMOVAL SURGERY AT A TERTIARY INTERDISCIPLINARY PELVIC PAIN CLINIC IN SYDNEY, AUSTRALIA
E. Howard (Australia)

A NEW METHOD TO ASSESS NERVE AND ENDOTHELIAL DEPENDENT MICROCIRCULATORY BLOOD PERFUSION IN FABRY DISEASE
J. Forstenpointner (Germany)

IS NEUROPATHIC PAIN ASSOCIATED WITH COGNITIVE DECLINE?
S. Liesto (Finland)

CORRELATIONS BETWEEN NEUROPATHIC PAIN, QUALITY OF LIFE AND MOOD IN TYPE 2 DIABETIC PATIENTS
R.N. Demirtaş (Turkey)

BILATERAL WIRELESS CUBITAL STIMULATOR FOR TREATMENT OF IDIOPATHIC BILATERAL CUBITAL NEUROPATHY
L. Hurtado (Spain)

THE PATIENT JOURNEY IN CANCER/ CHEMOTHERAPY-RELATED NEUROPATHIC PAIN (CRNP): REVEALING GAPS BETWEEN GUIDELINES AND REAL-WORLD PRACTICE
Ö. Sancak (Germany)

SPATIAL DISCRIMINATION ACUITY OF NOCICEPTIVE STIMULI AND BODY REPRESENTATION DISTURBANCES IN POLYNEUROPATHY PATIENTS
L. Steenken (Germany)

5-FLUORO-2-OXINDOLE TREATMENT INHIBITED NEUROPATHIC PAIN AND THE EMOTIONAL DISORDERS ASSOCIATED AND ENHANCED THE LOCAL ANTINOCICEPTIVE EFFECTS OF MORPHINE
O. Pol (Spain)

NON PHARMACOLOGICAL TREATMENT OF PHANTOM LIMB PAIN: A SYSTEMATIC REVIEW
J.M. López-Millán (Spain)

ROLE OF MIRROR IMAGE THERAPY FOR PHANTOM LIMB PAIN IN BELOW KNEE AMPUTEES
P. Gupta (India)

ANXIETY-DEPRESSIVE DISORDERS IN WOMEN OF REPRODUCTIVE AGE WITH PELVIC VARICOSE VEINS
S. Amirkhanova (Russian Federation)
SODIUM CROMOGLYCATE IN THE TREATMENT OF ABDOMINAL PAIN IN A PATIENT WITH MAST CELL ACTIVATION SYNDROME
Y. Kamel (United Kingdom)

AUTONOMIC DYSREGULATION AND DECREASED HEART RATE VARIABILITY IN FIBROMYALGIA UNDER ACUTE COGNITIVE STRESS
T.A. Zetterman (Finland)

CAN WE IDENTIFY A "PURE" FIBROMYALGIA (FM) PHENOTYPE?
S. Butler (Sweden)

MORPHINE-INDUCED HYPERALGESIA AND PKCε EXPRESSION IN DORSAL ROOT GANGLION: THE ROLE OF NK1 RECEPTOR
H. Manaheji (Iran, Islamic Republic of)

THE EFFECTS OF USE-DEPENDENT NEUROPLASTICITY AND CHRONIC PAIN ON SOMATOSENSORY PERIPHERAL AND CORTICAL EXCITABILITY
A. Zamorano (Denmark)

OREXIN POTENTIATES GABAA RECEPTOR-MEDIATED IPSCS BY ACTIVATION OF POSTSYNAPTIC OREXINERGIC RECEPTOR 1 IN THE RAT INSULAR CORTEX
M. Chikira (Japan)

INTERACTION OF PAIN-LTP AND PAIN-LTD SUGGEST THE OPERATION OF HIGHER ORDER PLASTICITY (METAPLASTICITY) IN THE HUMAN PAIN SYSTEM
W. Magerl (Germany)

ENHANCED ATP SECRETION FOLLOWING NOCICEPTIVE STIMULATION AND MODULATION OF NOCICEPTIVE TRANSMISSION VIA P2X RECEPTORS IN THALAMOCINGULATE PATH
Y.-H. Kuan (Taiwan, Republic of China)

GENOME-WIDE ASSOCIATION STUDY REVEALS SEX-SPECIFIC GENETIC INFLUENCE IN CHRONIC WIDESPREAD MUSCULOSKELETAL PAIN
M.S. Rahman (United Kingdom)

WHAT DO PATIENTS LIVING WITH CHRONIC PAIN THINK ABOUT THE NEW ICD-11 CLASSIFICATION OF CHRONIC PAIN? A EUROPE-WIDE ONLINE SURVEY
B. Korwisi (Germany)

MACHINE LEARNING - FROM ARTIFICIAL INTELLIGENCE TO PAIN RESEARCHES: DELINEATING LABORATORY EXPERIMENTS
F. Andrijauskas (Brazil)

ASSESSMENT OF RODENT-SPECIFIC WELFARE-BEHAVIOR AS A SURROGATE MARKER FOR PAIN AFTER INCISION INJURY
D. Segelcke (Germany)

PHARMACOKINETIC AND PHARMACODYNAMICS ASSESSMENT OF THE ANTI-NOCICEPTIVE EFFECT OF PROPOFOL AND THIOPENTHAL IN RAT
N. Bakhtiari (Iran, Islamic Republic of)

EFFECT OF PH AND OXYGEN TENSION ON DORSAL ROOT GANGLION CALCIUM RESPONSE TO BRADYKININ AND NEURITE SPROUTING
J. Ma (Switzerland)
Scientific Programme

CLUSTERING PATIENTS WITH FIBROMYALGIA USING THE FIBROMYALGIA IMPACT QUESTIONNAIRE REVISED (FIQR): DIFFERENCES IN CLINICAL OUTCOMES, ECONOMIC COSTS, INFLAMMATORY MARKERS AND GRAY MATTER VOLUMES
J. Luciano (Spain)

DIGITAL BIOMARKERS OF GAIT AND ASSOCIATIONS WITH FUNCTION IN KNEE OSTEOARTHRITIS AND LUMBAR SPINAL STENOSIS
M. Smuck (United States)

EFFECTIVENESS OF SELF-MANAGEMENT APP FOR CHRONIC LOW BACK PAIN: A PILOT RANDOMIZED CONTROLLED TRIAL
Y. Tsuboi (Japan)

OPIOID CALCULATORS: QUALITY OR JUST QUANTITY?
J. Noyes (United Kingdom)

CLINICAL MANAGEMENT OF NECK AND LOW BACK PAIN THROUGH PERSONALISED PROGNOSTIC MODELS: THE BACK-UP PROJECT
H. De Rosario (Spain)

INJURY RELATED PAIN IN COLLEGIATE ATHLETES IN ONE REPORTING SEASON
C. Blake (Ireland)

IS THE HIGH BURDEN IN CHRONIC LOW BACK PAIN IN FACT RELATED TO PRESENCE OF CHRONIC WIDESPREAD PAIN?
A. Grimby-Ekman (Sweden)

SWITCH TO STRONG OPIOIDS IN CHRONIC OPIOID USERS: ANALYSIS OF THE FRENCH NATIONAL HEALTH INSURANCE DATABASE. THE FRANTALGIC STUDY
A.-P. Trouvin (France)

TRENDS IN PRESCRIBING OPIOID DRUGS IN THE UNITED KINGDOM FROM 2011 TO 2016
P. Conway (United Kingdom)

THE ASSOCIATION BETWEEN CHRONIC PAIN AND PHYSICAL ACTIVITY AT WORK AND IN LEISURE TIME - THE TROMSØ STUDY 7
M. Fjeld (Norway)

PREVALENCE AND CHARACTERISTICS OF CHRONIC PAIN IN PATIENTS ATTENDING PRIMARY CARE UNITS IN CONTINENTAL PORTUGAL: AN OBSERVATIONAL STUDY
F. Antunes (Portugal)

ANALYSIS OF THE BATTEY OPERATION: INDICATIONS, OUTCOMES AND CHRONIC PELVIC PAIN
J. Jarrell (Canada)

THE PAIN ALARM RESPONSE - HOW CONSCIOUS AWARENESS SHAPES PAIN
M. Pontén (Sweden)

“I WISH I NEVER STARTED THEM”. INVESTIGATING THE EXPERIENCES OF UK HEALTH CARE PROFESSIONALS AND PATIENTS OF USING OPIOIDS TO TREAT CHRONIC NON-CANCER PAIN
E. Begley (United Kingdom)

THE EFFECT OF PAIN AND STIMULUS SALIENCE ON TEMPORAL ATTENTION - A MULTI-STUDY EXAMINATION USING THE ATTENTIONAL BLINK TASK
J. Walsh (United Kingdom)
Scientific Programme

PAIN CATASTROPHIZING: “WHAT IF...?” CATASTROPHIC WORRY IS AN OVERLOOKED ASPECT?
L. Petrini (Denmark)

WAYS TO COMPENSATE FOR MORAL PAIN IN VISUAL IMPAIRMENT
S. Trifu (Romania)

SOCIETAL IMPACT OF PAIN (SIP) - EXPERIENCES FROM A SIP NATIONAL PLATFORM IN FRANCE
G. Pickering (France)

HOW TO BUILD MULTI-STAKEHOLDER PLATFORMS TO TACKLE THE SOCIETAL IMPACT OF PAIN AT NATIONAL LEVEL
V. Carraro (Belgium)

A HYPOALGESIC EFFECT OF TOUCHING A SOCIAL ROBOT
N. Geva (Israel)

EVOKE COMPOUND ACTION POTENTIAL RECORDING TO FURTHER UNDERSTAND EFFECT OF TITRATING MEDICATION WITH SPINAL CORD STIMULATION - CASE STUDY
N. Mekhail (United States)

MULTIDISCIPLINARY STUDY PROTOCOL FOR FIBROMYALGIA DIAGNOSIS: CIRCULATING LYMPHOCYTES OPIOIDRECEPTORS AS INNOVATIVE BIOMARKERS
V. Malafoglia (Italy)

RISK FACTORS PREDICTION OF PAIN TO PREVENTION OF OXALIPLATIN-INDUCED PAINFUL NEUROPATHY: AN EXPLORATORY STUDY
R. Galhardoni (Brazil)

MTBI AND WHIPLASH DISABILITY VARIANCE 6- MONTHS POST- MOTOR VEHICLE COLLISION EXPLAINED BY DIFFERENT FACTORS
P. Kuperman (Israel)

BELIEFS OF WEATHER INFLUENCE AND CHRONIC PAIN: A PILOT STUDY WITH AN APP WITH GEOPOSITIONING TECHNOLOGY
D. Castilla (Spain)

D. Castilla (Spain)

THE INFLUENCE OF FATIGUE ON THE NOCICEPTIVE FLEXION REFLEX: A RANDOMIZED CROSS-OVER STUDY
J. Van Oosterwijck (Belgium)

A SINGLE-DOSE, PLACEBO-CONTROLLED, CROSS-OVER STUDY TO EVALUATE LPS-INDUCED HYPERALGESIA IN HEALTHY VOLUNTEERS
H.J. Hijma (Netherlands)

IS THE HOSPITAL ANXIETY AND DEPRESSION SCALE A GOOD MEASURE OF EMOTIONAL DISTRESS IN PATIENTS WITH CHRONIC PAIN?
R. Lo Martire (Sweden)

PAIN MEASUREMENT AND ANALYSIS : A BIOMETRIC APPROACH TO THE CHRONICIZATION OF PAIN
C. Cavalier (France)
COMPARISON OF ELECTRODES DESIGNED FOR PREFERENTIAL ACTIVATION OF CUTANEOUS NOCICEPTORS VIA EXPERIMENTAL ASSESSMENTS AND COMPUTATIONAL MODELING  
A.H. Poulsen (Denmark)

VALIDITY AND RELIABILITY OF THE EUROPEAN PORTUGUESE VERSION OF THE FUNCTIONAL DISABILITY INVENTORY  
R. Andias (Portugal)

RELEVANCE OF VAPAIN CORE OUTCOME DOMAINS WERE CONFIRMED BY PATIENTS - RESULTS OF FOCUS GROUP DISCUSSIONS  
U. Kaiser (Germany)

DOES CONDITIONED PAIN MODULATION (CPM) CORRELATE WITH CLINICAL PAIN? A SYSTEMATIC REVIEW OF THE LITERATURE  
M.T. Carrillo-de-la-Peña (Spain)

FEAR OF MOVEMENT AND PAIN CATASTROPHIZING AT BASELINE PREDICT TREATMENT OUTCOME ONE YEAR AFTER A PAIN MANAGEMENT PROGRAM  
N. Evans (Denmark)

PAIN INTERFERENCE TYPE AND LEVEL GUIDE THE ASSESSMENT PROCESS IN CHRONIC PAIN  
T. Miettinen (Finland)

SELF-ASSESSMENT AND ATTITUDES TO SELF-CARE OF PATIENTS WITH CHRONIC BACK PAIN  
A. Hadunkina (Latvia)

ASSESSING THE SPECIFICITY OF ALPHA FREQUENCY IN PREDICTING PAIN  
E. Valentini (United Kingdom)

PRIOR COGNITIVE INFORMATION DIFFERENTIALLY MODULATES THE INSULA ACTIVITIES DURING PAIN AND TACTILE PROCESSING  
N. Taniguchi (Japan)

DIAGNOSTIC MUSCULOSKELETAL ULTRASOUND IN PHYSIOTHERAPY ON PATIENTS WITH SHOULDER PAIN  
M. Thoomes-de Graaf (Netherlands)

MODIFIED BUYANG HUANWU DECOCTION FOR ANTI-INFLAMMATION  
J.-Y. Park (Korea, Republic of)

A COMPARISON OF FIBROMYALGIA REGISTRY PATIENTS AND UNITED STATES RESIDENTS ON VITAMIN D AND ITS RELATION WITH SOCIO-DEMOGRAPHIC AND HEALTH VARIABLES  
A. Vincent (United States)

MULTIDISCIPLINARY TEAM (MDT) SIMULATION IN REMOTE SITE PAIN THEATRES  
R. Berwick (United Kingdom)

USING PERCUTANEOUS ELECTRICAL NEUROSTIMULATION (PENS) TO TREAT REFRACTORY NEUROPATHIC PAIN POSTHERNIORRHAPHY  
P. Rego Hermida (Spain)

ULTRASOUND GUIDED INJECTION TECHNIQUE FOR TRIGGER FINGER AS A NON SURGICAL ALTERNATIVE  
S.A. Córdoba Holt (Spain)

RANDOMIZED CONTROL STUDY TO EVALUATE EFFECTIVENESS OF PECTORAL NERVE BLOCK FOR POST OPERATIVE ANALGESIA IN PATIENTS UNDERGOING MASTECTOMY  
S. Tiwari (India)
PROGNOSTIC FACTORS FOR 12-MONTH-OUTCOME AFTER INTERDISCIPLINARY TREATMENT IN PATIENTS WITH CHRONIC PAIN - A NATIONWIDE MULTICENTRE PROSPECTIVE COHORT STUDY
E. Tseli (Sweden)

MULTIDISCIPLINARY SHOULDER SERVICE
J.C. Castillo Velasco (Spain)

CHANGES IN PAIN FOLLOWING A 6 WEEK WEIGHT MANAGEMENT IN-PATIENT PROGRAMME
K. Asada (Ireland)

HITTING THE TARGET: PERIPHERAL FIELD MODULATION FOR STERNAL PAIN
C. Cheah (United Kingdom)

MULTIFOCAL TDCS TARGETTING THE RESTING-STATE MOTOR NETWORK MODULATES CORTEX EXCITABILITY ON PROLONGED PAIN
L. Gregoret (Denmark)

ANALGESIC EFFICACY OF “BURST” AND TONIC (500HZ) SPINAL CORD STIMULATION PATTERNS: A RANDOMISED PLACEBO-CONTROLLED STUDY
S. Eldabe (United Kingdom)

PATIENTS’ GOALSETTING BEFORE SPINAL CORD STIMULATION: A QUALITATIVE EXPLORATION IN PATIENTS WITH FAILED BACK SURGERY SYNDROME
L. Goudman (Belgium)

OUTCOMES OF A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL UTILIZING A SPINAL CORD SYSTEM CAPABLE OF MULTIPLE NEUROSTIMULATION MODALITIES (COMBO STUDY)
R. Jain (United States)

EFFECT OF LOW FREQUENCY REPEATED TRANSCRANIAL MAGNETIC STIMULATION ON PSYCHOLOGICAL AND PAIN ASSOCIATED SYMPTOMS IN FIBROMYALGIA PATIENTS
A.H. Ansari (Guyana)

LONG-TERM EFFECTS OF HIGH-DOSE SCS FOR TREATMENT OF CHRONIC PAIN IN PATIENTS WITH CBLP AND CRPS: OUTCOMES OF A PROSPECTIVE CASE SERIES
I.D. Eikelboom-Demper (Netherlands)

OUTCOMES USING AN SCS DEVICE CAPABLE OF DELIVERING COMBINATION THERAPY (SIMULTANEOUS OR SEQUENTIAL) AND ADVANCED WAVEFORMS/FIELD SHAPES
C. Metzger (United States)

IMPROVEMENT OF HEALTH-RELATED QUALITY OF LIFE IN PATIENTS WITH SPINAL CORD STIMULATION: DATA FROM THE PRODUCT SURVEILLANCE REGISTRY
T. Theys (Belgium)

A SYSTEMATIC REVIEW OF THE GASTROINTESTINAL SAFETY PROFILE OF IBUPROFEN AT OVER-THE-COUNTER DOSES
S. Hanid (United Kingdom)

EFFECTS OF RANOLAZINE, A LATE SODIUM CURRENT BLOCKER, ON ACTION POTENTIAL PROPAGATION IN PERIPHERAL NERVES
F. Deen (United Kingdom)

IMPORTANCE OF CCL17/CCL22/CCR4 SIGNALING IN NOCICEPTIVE TRANSMISSION AND MORPHINE ANALGESIC POTENCY IN NAÏVE AND NEUROPATHIC ANIMALS
J. Kujacz (Poland)
DEMONSTRATION OF SIGNIFICANT DECREASES IN PAIN ENDPOINTS IN SUBJECTS WITH PAINFUL OSTEOARTHRITIS OF THE KNEE AFTER SINGLE/MULTIPLE DOSES OF A NOVEL ANTI-NGF, ANTI-TNFα BISPECIFIC MOLECULE
F. Welsh (United Kingdom)

THE IMPACT OF TAPENTADOL ON QUALITY-OF-LIFE AND SICK LEAVE: REAL-WORLD DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)
M. Überall (Germany)

PHARMACOGENETICS APPLIED TO TAPENTADOL EFFECTIVENESS ON AMBULATORY CHRONIC PAIN PATIENTS
J. Barrachina (Spain)

ANALGESIA INDUCED BY 2-HZ ELECTROACUPUNCTURE IN THE RAT NEUROPATHIC PAIN DEPENDS ON THE ZONA INCERTA
Y. Marques Aragão (Brazil)

IL-4-INDUCED M2 MACROPHAGES PRODUCE LONG-LASTING ANALGESIA VIA ENDOGENOUS OPIOIDS
M.Ö. Celik (Germany)

RESCUE AND CONCOMITANT ANALGESICS IN PLACEBO-CONTROLLED TRIALS OF PHARMACOTHERAPY FOR NEUROPATHIC PAIN AND LOW BACK PAIN
E. Hasvik (Norway)

IMMUNE-INFLAMMATORY PATHWAYS AND CLINICAL CHANGES IN FIBROMYALGIA PATIENTS TREATED WITH MINDFULNESS-BASED STRESS REDUCTION (MBSR): A RANDOMIZED, CONTROLLED CLINICAL TRIAL
A. Feliu-Soler (Spain)

EFFECTS OF SPECIFIC VERSUS GENERAL EXERCISES ON NECK PROPRIOCEPTION IN PATIENTS WITH CHRONIC NON-SPECIFIC NECK PAIN
M. Saberi (Canada)

IMPORTANCE OF TYING THE SCIATIC NERVE IN ABOVE KNEE AMPUTATION TO PREVENT NEUROMA FORMATION
A. Saraf (India)

FENTANYL VERSUS DEXMEDETOMIDINE WITH BUPIVACAINE IN ULTRASOUND GUIDED SUPRACLAVICULAR BLOCK IN HEMODIALYSIS SHUNT SURGERIES
A. Yehia (Egypt)

FIRS DO NOT HARM: HOW THE DEXAMETHASONE CAN IMPROVE POSTOPERATIVE ANALGESIA AFTER SHOULDER ARTHROSCOPY
N. Tapia Berga (Spain)

Workshop: Pain Syndromes
13:00 - 14:30
EFIC Hall

IMPROVING THE DIAGNOSIS AND MANAGEMENT OF NEUROPATHIC CANCER PAIN

Chairs:
R. Rolke (Germany)
Scientific Programme

CANCER-RELATED PAIN CLASSIFICATION AND MANAGEMENT STANDARDS; ICD-11 AND EFIC
E. Eisenberg (Israel)

DOES QUANTITATIVE SENSORY TESTING HAVE A ROLE IN CANCER PAIN ASSESSMENT?
M. Mulvey (United Kingdom)

ADVANCES IN ANALGESIC MANAGEMENT STRATEGIES FOR NEUROPATHIC CANCER PAIN
R. Rolke (Germany)

DISCUSSION

Workshop: Basic Science
13:00 - 14:30

PERSONALISED MECHANISTIC PAIN MEDICINE USING QUANTITATIVE SENSORY TESTING (QST)

Chairs:
K. Petersen (Denmark)

THE NEED FOR PERSONALISED MECHANISTIC PAIN MEDICINE AND ITS ROLE FOR ACUTE AND CHRONIC PAIN AFTER SURGERY
E. Pogatzki-Zahn (Germany)

SENSORY PHENOTYPES OF PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN
J. Vollert (United Kingdom)

PAIN MECHANISTIC PROFILING OF PATIENTS WITH OSTEOARTHRITIS
K. Petersen (Denmark)

DISCUSSION

Refresher Course: Headache
13:00 - 14:30

HEADACHE AND OROFACIAL PAIN

Chairs:
K. Paemeleire (Belgium)

INTRODUCING THE INTERNATIONAL CLASSIFICATION OF HEADACHE DISORDERS (ICHD)
L. Bendtsen (Denmark)

CLINICAL AND PARA-CLINICAL TESTS IN THE ROUTINE EXAMINATION OF HEADACHE PATIENTS
K. Paemeleire (Belgium)
The 11th Congress of the European Pain Federation EFIC,
4 - 7 September 2019,
Valencia, Spain

Scientific Programme

**THERAPEUTIC GUIDELINES FOR COMMON HEADACHE AND FACIAL PAIN DISORDERS**
P. Geppetti (Italy)

**Q&A**

Workshop: Neuromodulation
13:00 - 14:30
Room 3F

**TARGETING THE DRG - A NEW PARADIGM FOR NEUROPATHIC PAIN**
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**Chairs:**
A. Al-Kaisy (United Kingdom)

**THE DRG - A LIKELY PERIPHERAL PAIN GENERATOR IN KEY CHRONIC PAIN STATES**
M. Devor (Israel)

**PHARMACOLOGICAL TARGETING OF THE DRG - NEW PROSPECTS**
P. Anand (United Kingdom)

**NEUROMODULATION STRATEGIES TARGETING THE DRG - A NEW PARADIGM FOR MANAGING NEUROPATHIC PAIN**
A. Al-Kaisy (United Kingdom)

**DISCUSSION**

Workshop: Pharmacological Topics
13:00 - 14:30
Room 2H

**PLACEBO EFFECTS ON PAIN: FROM THE LAB TO THE CLINIC**
223

**Chairs:**
A. Evers (Netherlands)

**INTRODUCTION**

**PLACEBO EFFECTS IN CHRONIC NEUROPATHIC PAIN**
I. Skyt (Denmark)

**OPTIMIZING PRE-OPERATIVE EXPECTATIONS IN PATIENTS UNDERGOING CARDIAC SURGERY: EFFECTS ON ACUTE POST-SURGICAL PAIN AND 6-MONTHS DISABILITY IN THE PSY-HEART TRIAL**
J. Laferton (Germany)

**OPTIMIZING EXPECTATIONS OF PAIN, WHAT ARE THE LIMITS?**
K. Peerdeman (Netherlands)

**DISCUSSION**

**CHAIR’S SUMMARY AND FUTURE DIRECTIONS OF RESEARCH**
Scientific Programme

Workshop: Psychology
13:00 - 14:30
Room 4C

OPPOSING EMOTIONAL ATTITUDES MAY ALL LEAD TO HYPOALGESIA: THE ROLE OF OPTIMISM, PESSIMISM AND ALEXITHYMIA

Chairs:
S. Lautenbacher (Germany)

THE HYPOALGESIC EFFECTS OF OPTIMISM
M. Peters (Netherlands)
13:00 - 13:25

THE HYPOALGESIC EFFECTS OF PESSIMISM AND DEPRESSION
S. Lautenbacher (Germany)
13:25 - 13:50

ALEXITHYMIA MAY LEAD TO HYPOALGESIA
S. Duschek (Austria)
13:50 - 14:15

DISCUSSION
14:15 - 14:30

Oral Communications
13:00 - 14:30
Room 4F

ORAL COMMUNICATIONS 3

Chairs:
S. Ward

ASSESSMENT OF CENTRAL SENSITIZATION IN NEUROPATHIC PAIN FOLLOWING SPINAL CORD INJURY
R. Lütolf (Switzerland)
13:00 - 13:10

PERSONAL AND SOCIETAL IMPACT OF LOW BACK PAIN; THE GRONINGEN SPINE COHORT
A.L. Dutmer (Netherlands)
13:10 - 13:20

DOES THREAT OF PAIN INFLUENCE CORTICAL MOVEMENT PREPARATION IN LOW BACK PAIN?
J. Van Oosterwijck (Belgium)
13:20 - 13:30

EXPERIENCE OF PAIN FROM INDIGENOUS AUSTRALIAN PERSPECTIVE
13:30 - 13:40

LIFE SATISFACTION IN OLDER ADULTS WITH CHRONIC PAIN
H.-J. Dong (Sweden)
13:40 - 13:50

BACK PAIN IN BRAZILIAN ADOLESCENTS: A LONGITUDINAL STUDY
M. Noll (Brazil)
13:50 - 14:00
Scientific Programme

Special Session
14:30 - 16:00
EFIC Hall

SOCIETAL IMPACT OF PAIN - CHANGING PAIN MEDICINE THROUGH POLITICAL ACTION

Chairs:
T. Toelle (Germany)

WHAT IS SIP? 14:30 - 14:55
B. Morlion (Belgium)

CREATING NATIONAL PLATFORMS TO TACKLE THE SOCIETAL IMPACT OF PAIN 14:55 - 15:20
G. Pickering (France)

THE GLOBAL APPROACH TO PAIN POLICY 15:20 - 15:45
L. Arendt-Nielsen (Denmark)

DISCUSSION 15:45 - 16:00

Workshop: Basic Science
14:30 - 16:00
Hall 1B

FACTORS AFFECTING CONDITIONING PAIN MODULATION IN ANIMAL, HUMAN-EXPERIMENTAL AND LARGE-SCALE COHORT STUDIES

206

Chairs:
T. Graven-Nielsen (Denmark)

TRANSLATIONAL PROBING: ENDOGENOUS TOP-DOWN CONTROLS 14:30 - 14:55
K. Bannister (United Kingdom)

CONDITIONING PAIN MODULATION IN MODELS OF PAIN AND PAIN PATIENTS 14:55 - 15:20
T. Graven-Nielsen (Denmark)

CONDITIONING PAIN MODULATION IN THE GENERAL POPULATION: RESULTS FROM A LARGE-SCALE STUDY OF 18,000 ADULTS 15:20 - 15:45
C.S. Nielsen (Norway)

DISCUSSION 15:45 - 16:00

Refresher Course: Pain Syndromes
14:30 - 16:00
Hall 3A

ASSESSMENT OF PAIN

Physiotherapist Track

Chairs:
L. Garcia-Larrea (France)
Scientific Programme

**Clinical Assessment**  
14:30 - 14:55  
D. Ciampi de Andrade (Brazil)

**Questionnaires**  
14:55 - 15:20  
D. Bouhassira (France)

**Laboratory Tests**  
15:20 - 15:45  
L. Garcia-Larrea (France)

**Q&A**  
15:45 - 16:00

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**Workshop: Neuromodulation**  
14:30 - 16:00  
Room 3F

**Using Evoked Compound Action Potentials (ECAPS) to Elucidate Mechanisms of Action and Improve Clinical Predictability and Long-Term Compliance of Spinal Cord Stimulation**  
247

**Chairs:**  
S. Eldabe (United Kingdom)

**Mechanisms of Action of SCS: What We Know, What We’re Still Trying to Understand and What ECAPS Can Teach Us**  
14:30 - 14:55  
S. Eldabe (United Kingdom)

**Long Term Results from a Prospective, Multi-Centre, Double-Blind, Randomised Controlled Trial Examining the Safety and Efficacy of Closed-Loop SCS Using ECAPS**  
14:55 - 15:20  
N. Mekhail (United States)

**Improving Clinical Predictability by Capitalising on the MOA Using Closed-Loop SCS: A Sub-Analysis of Inter-Group SCS Differences from a Double Blind Randomised Controlled Trial**  
15:20 - 15:45  
S. Falowski (United States)

**Discussion**  
15:45 - 16:00

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**Workshop: Pharmacological Topics**  
14:30 - 16:00  
Room 2H

**Advances Toward Precision Pain Medicine**  
151

**Chairs:**  
M. Smuck (United States)

**A Dual Selective Analgesic Strategy: Gene Therapy**  
14:30 - 14:55  
T. Maus (United States)

**Imaging Biomarkers**  
14:55 - 15:20  
V. Shah (United States)
The 11th Congress of the European Pain Federation EFIC, 4 - 7 September 2019, Valencia, Spain

**Scientific Programme**

**DIGITAL BIOMARKERS**  
M. Smuck (United States)  
15:20 - 15:45

**DISCUSSION**  
15:45 - 16:00

Workshop: Psychology  
14:30 - 16:00  
Room 4C

**THE EFFECTS OF PAIN ON ATTENTION AND LEARNING - OLD PROBLEM, NEW INSIGHTS**

46  
**Chairs:**  
K. Schmidt (Germany)

**MOVEMENTS ASSOCIATED WITH BACK PAIN INDUCE BODILY VIGILANCE TO THE BACK**  
S. Van Damme (Belgium)  
14:30 - 14:55

**THE EFFECTS OF PAIN AND PAIN-RELATED FEAR ON ATTENTION AND LEARNING DEPENDING ON THE BODY-SITE**  
K. Schmidt (Germany)  
14:55 - 15:20

**NOT QUITE IDEAL OBSERVERS: HOW WE LEARN ABOUT PAIN**  
K. Wiech (United Kingdom)  
15:20 - 15:45

**DISCUSSION**  
15:45 - 16:00

Oral Communications  
14:30 - 16:00  
Room 4F

**ORAL COMMUNICATIONS 4**

**Chairs:**  
J. Osterbrink (Austria)

**SUBCUTANEOUS TANEZUMAB FOR OSTEOARTHRITIS PAIN: A 24-WEEK PHASE 3 STUDY WITH A 24-WEEK FOLLOW UP**  
W. Carey (United Kingdom)  
14:30 - 14:40

**HUMAN IAPP MEDIATES PAINFUL DIABETIC PERIPHERAL NEUROPATHY**  
M.M. Asiri (Netherlands)  
14:40 - 14:50

**SUBCUTANEOUS TANEZUMAB VERSUS TRAMADOL FOR CHRONIC LOW BACK PAIN: EFFICACY AND SAFETY RESULTS FROM A 56-WEEK PHASE 3 STUDY WITH A 24-WEEK FOLLOW UP PERIOD**  
J. Markman (United States)  
14:50 - 15:00

**EARLY PREDICTION OF CHRONIC POSTSURGICAL NEUROPATHIC PAIN USING THE DOULEUR NEUROPATHIQUE 2 QUESTIONNAIRE**  
M. Rijsdijk (Netherlands)  
15:00 - 15:10
The 11th Congress of the European Pain Federation EFIC, 4 - 7 September 2019, Valencia, Spain

**Scientific Programme**

**A SHARED DECISION APPROACH TO CHRONIC ABDOMINAL PAIN BASED ON CINE-MRI: A PROSPECTIVE COHORT STUDY**
R. ten Broek (Netherlands) 15:10 - 15:20

**EPIGENETICS OF THE BRAIN-DERIVED NEUROTROPIC FACTOR (BDNF) GENE IN PEOPLE WITH FIBROMYALGIA AND CHRONIC FATIGUE SYNDROME (FM/CFS): AN EXPLORATIVE STUDY**
A. Polli (Belgium) 15:20 - 15:30

**PAIN TRAJECTORIES AS PHENOTYPES OF KNEE OSTEOARTHRITIS**
M.R. Radojičić (United Kingdom) 15:30 - 15:40

**CENTRAL SENSITIZATION IN PEOPLE WITH NON-TRAUMATIC NECK PAIN: SYSTEMATIC REVIEW AND META-ANALYSIS OF OBSERVATIONAL STUDIES**
Y. Xie (Australia) 15:40 - 15:50

**PAIN AND DISABILITY IN LOW BACK PAIN CAN BE REDUCED DESPITE NO IMPROVEMENTS IN THE PAIN SENSORY PROFILE**
T.S. Palsson (Denmark) 15:50 - 16:00

**Plenary**
16:30 - 17:00  EFIC Hall

**NEUROMODULATION - WHERE ARE WE GOING TO? A VIEW IN THE FUTURE OF STIMULATION THERAPIES**

**Chairs:**
S. Brill (Israel)

**NEUROMODULATION - WHERE ARE WE GOING TO? A VIEW IN THE FUTURE OF STIMULATION THERAPIES**
D. de Ridder (New Zealand) 16:30 - 17:00

**Plenary**
17:00 - 17:30  EFIC Hall

**DAVID NIV AWARD LECTURE - INTERDISCIPLINARY APPROACHES TO CHRONIC PAIN PATIENTS**

**Chairs:**
M. Kocot Kepska (Poland)

**AN INTERDISCIPLINARY APPROACH TO CHRONIC PAIN PATIENTS: THE CHALLENGES AND OPPORTUNITIES**
C. McCabe (United Kingdom) 17:00 - 17:30

**Plenary**
17:30 - 18:00  EFIC Hall

**GENDER AND MIGRAINE**
Scientific Programme

GENDER AND MIGRAINE
A. Maassen van den Brink (Netherlands) 17:30 - 18:00

Networking
18:15 - 19:30 EFIC Hall

OPENING CEREMONY

Networking
19:30 - 20:30 EFIC Hall

WELCOME RECEPTION
Thursday, 05. September 2019

**Plenary**
08:30 - 09:00  
EFIC Hall

**THE ROLE OF THE IMMUNE SYSTEM IN PAIN**
Chairs:  
H. Breivik (Norway)

**THE ROLE OF THE IMMUNE SYSTEM IN PAIN**  
M. Malcangio (United Kingdom)  
08:30 - 09:00

**Plenary**
09:00 - 09:30  
EFIC Hall

**THE ROLE OF GENETICS IN PAIN**

**THE ROLE OF GENETICS IN PAIN**  
L. Diatchenko (Canada)  
09:00 - 09:30

**Plenary**
09:30 - 10:00  
EFIC Hall

**PAIN AND OPIOIDS IN CANCER CARE: BENEFITS, RISKS, AND ALTERNATIVES**

Chairs:  
B. Morlion (Belgium)

**PAIN AND OPIOIDS IN CANCER CARE: BENEFITS, RISKS, AND ALTERNATIVES**  
J. Paice (United States)  
09:30 - 10:00

**Workshop: Neuropathic Pain**
10:30 - 12:00  
EFIC Hall

**HOW TO CONDUCT DIAGNOSTIC TESTS IN PATIENTS SUSPECTED OF NEUROPATHIC PAIN**

300  
**Chairs:**  
A. Truini (Italy)

**INTRODUCTION**  
A. Schilder (Germany)  
10:30 - 10:45

**HOW TO CONDUCT QUANTITATIVE SENSORY TESTING**  
10:45 - 11:00
### Scientific Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>11:00 - 11:15</td>
<td>HOW TO RECORD LASER EVOKED POTENTIALS, AN ASSESSMENT OF THE INTEGRITY OF THE NOCICEPTIVE SYSTEM</td>
<td>C. Lenoir (Belgium)</td>
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<tr>
<td>11:15 - 11:30</td>
<td>LIGHT MICROSCOPY INVESTIGATION OF SKIN SLICES IN NORMAL HUMANS AND IN PATIENTS WITH PAINFUL NEUROPATHIES</td>
<td>E. Galosi (Italy)</td>
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<td>11:30 - 11:45</td>
<td>DISCUSSION</td>
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<td>11:45 - 12:00</td>
<td>CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH</td>
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**Workshop: CRPS**

10:30 - 12:00  

**NEW ASPECTS OF COMPLEX REGIONAL PAIN SYNDROME**

130

**Chairs:**
C. Maihoefner (Germany)

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<th>Time</th>
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<tr>
<td>10:30 - 10:55</td>
<td>SIGNS AND SYMPTOMS IN CRPS: PICTURES OF A COMPLEX AND HETEROGENEOUS DISEASE</td>
<td>C. Maihoefner (Germany)</td>
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<tr>
<td>10:55 - 11:20</td>
<td>INFLAMMATION AND AUTOIMMUNITY IN CRPS: WHAT IS THE SIGNIFICANCE?</td>
<td>A. Goebel (United Kingdom)</td>
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<td>11:20 - 11:45</td>
<td>TREATMENT OF CRPS: HOW CAN WE TAILOR OUR THERAPY?</td>
<td>F. Huygen (Netherlands)</td>
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<td>11:45 - 12:00</td>
<td>DISCUSSION</td>
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**Workshop: Psychology**

10:30 - 12:00  

**AVOIDANCE BEHAVIOR IN PAIN: INSIGHTS FROM ASSOCIATIVE LEARNING, COMPUTATIONAL MODELING AND BRAIN IMAGING**

263

**Chairs:**
A. Meulders (Belgium)

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<th>Speaker/Institution</th>
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<tr>
<td>10:30 - 10:55</td>
<td>OPERANT LEARNING OF PAIN-RELATED AVOIDANCE BEHAVIOR</td>
<td>A. Meulders (Belgium)</td>
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<tr>
<td>10:55 - 11:20</td>
<td>THE REINFORCEMENT LEARNING MODEL OF PAIN</td>
<td>S. Zhang (United Kingdom)</td>
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<tr>
<td>11:20 - 11:45</td>
<td>AVOIDANCE LEARNING: FROM BASIC CIRCUITS TO PSYCHOLOGICAL INTERVENTION</td>
<td>T. Wager (United States)</td>
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DISCUSSION
11:45 - 12:00

Refresher Course: Pain Syndromes
10:30 - 12:00

Hall 3A

ACUTE AND POSTSURGICAL PAIN

Chairs:
E. Pogatzki-Zahn (Germany)

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<th>Session</th>
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<tr>
<td>EPIDEMIOLOGY, ASSESSMENT AND PATHOPHYSIOLOGICAL CONSEQUENCES OF ACUTE PAIN AFTER SURGERY</td>
<td>10:30 - 10:55</td>
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<td>R. van Boekel (Netherlands)</td>
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<tr>
<td>PHARMACOLOGICAL MANAGEMENT OF ACUTE PAIN AFTER SURGERY</td>
<td>10:55 - 11:20</td>
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<td>S. Schug (Australia)</td>
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<td>INTERVENTIONS FOR MANAGEMENT OF ACUTE AND FOR PREVENTION OF CHRONIC PAIN AFTER SURGERY</td>
<td>11:20 - 11:45</td>
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<td>E. Pogatzki-Zahn (Germany)</td>
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<td>Q&amp;A</td>
<td>11:45 - 12:00</td>
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Workshop: Pharmacological Topics
10:30 - 12:00

Room 3F

DOES NGF NEUTRALISING THERAPY FULFILL ITS PROMISE AS NOVEL ANALGESIC DRUG?

269

Chairs:
M. Koltzenburg (United Kingdom)

<table>
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<th>Session</th>
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<tr>
<td>NGF IS A PIVOTAL REGULATOR OF NOCICEPTOR SENSITIVITY</td>
<td>10:30 - 10:55</td>
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<td>M. Koltzenburg (United Kingdom)</td>
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<td>ANALGESIC EFFECTIVENESS AND ADVERSE EVENTS IN TRIALS OF ANTI-NGF ANTIBODY THERAPIES</td>
<td>10:55 - 11:20</td>
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<td>M. Metcalfe (United Kingdom)</td>
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<td>NOVEL ANTI-NGF THERAPIES FOR THE TREATMENT OF PAIN</td>
<td>11:20 - 11:45</td>
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<td>S. Westbrook (United Kingdom)</td>
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<td>DISCUSSION</td>
<td>11:45 - 12:00</td>
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The 11th Congress of the European Pain Federation EFIC,
4 - 7 September 2019,
Valencia, Spain

Scientific Programme

Workshop: Headache
10:30 - 12:00
Room 2H

ALTERED NOCICEPTIVE PROCESSING IN MIGRAINE AND TENSION TYPE HEADACHE: DIFFERENCES AND SIMILARITIES IN QUANTITATIVE SENSORY TESTING (QST) PROFILES AND BIOMARKERS

23

Chairs:
C. Fernández-de-las-Peñas (Spain)

ALTERED NOCICEPTIVE PROCESSING AS ASSESSED BY QUANTITATIVE SENSORY TESTING IN PRIMARY HEADACHES
L. Arendt-Nielsen (Denmark)

Biomarker Profiles of Tension Type Headaches and Migraine: Similarities and Differences
G. Sandrini (Italy)

Quantitative Sensory Testing (QST) Profiles of Tension Type Headache and Migraine: Similarities and Differences
C. Fernández-de-las-Peñas (Spain)

Discussion

Workshop: Basic Science
10:30 - 12:00
Room 4C

Peripheral and Central Mechanisms Underlying the Transition of Acute to Chronic Musculoskeletal Pain

8

Chairs:
S. Sikandar (United Kingdom)

Distinct Primary Afferent Populations Drive the Transition from Acute to Chronic Musculoskeletal Pain
S. Sikandar (United Kingdom)

Immune Regulation of the Transition of Acute to Chronic Pain
N. Eijkelkamp (Netherlands)

Clinical Evaluation of Pain Chronification, Sensitisation and Endogenous Modulation in Musculoskeletal Pain Conditions
T. Graven-Nielsen (Denmark)

Discussion
Scientific Programme

Patient Care
10:30 - 12:00 Room 4F

PATIENT ENCOUNTERS AND COMPLIANCE WITH TREATMENT RECOMMENDATIONS

Chairs:
B. Fullen (Ireland)

BEHAVIOURAL CHANGE THEORY TO SUPPORT PATIENT CONSULTATIONS 10:30 - 10:55
T. Pincus (United Kingdom)

BARRIERS AND FACILITATORS TO PHYSICAL ACTIVITY/ EXERCISE IN
INDIVIDUALS /POPULATION WITH PAIN 10:55 - 11:20
R. Smeets (Netherlands)

HEALTH LITERACY/NOCEBO 11:20 - 11:45
B. Fullen (Ireland)

DISCUSSION 11:45 - 12:00

Industry Supported
12:15 - 13:45 Auditorium 1A

INDUSTRY SUPPORTED SESSION 1

Industry Supported
12:15 - 13:45 Hall 1B

INDUSTRY SUPPORTED SESSION 2

Industry Supported
12:15 - 13:45 Room 3F

INDUSTRY SUPPORTED SESSION 3

Poster Session
12:30 - 13:30 Poster Area

BASICS IN PAIN WALK 2

Chairs:
J. van Meurs

DIFFERENTIAL REGULATION OF PAIN AND ANXIETY BEHAVIORS BY CEA NEURONS
W.H. Chen (Taiwan, Republic of China)

TRANSDIFFERENTIATION AND MICROFLUIDIC CHAMBERS AS TOOLS TO APPROACH THE IN-
VIVO SKETCH OF HUMAN NOCICEPTORS
S. Giorgi (Spain)
The 11th Congress of the European Pain Federation EFIC, 4 - 7 September 2019, Valencia, Spain

Scientific Programme

SELECTIVE PEPTIDE TOXINS FOR ASSESSING NAV CHANNEL FUNCTION IN SENSORY NEURONS
M. Israel (Australia)

TRPV1 RECEPTOR ACTIVATION BY CAPSAICIN IS MODULATED BY OXYTOCIN IN CULTURED DORSAL ROOT GANGLION NEURONS
G. Karcsúné Kis (Hungary)

BASELINE CORTICAL ACTIVITY PREDICTS REACTIVITY TO NOCICEPTIVE STIMULI DURING SLEEP
H. Bastuji (France)

DEPLETION OF EXTRACELLULAR POTASSIUM LEADS TO AN ACCUMULATION OF INTRA-AXONAL SODIUM AND ONGOING ACTIVITY IN MOUSE C-FIBRES VIA NAV1.9
J. Pakalniskis (Germany)

MODULATION OF TRIGEMINAL ACTIVITY BY OLFACTORY CO-STIMULATION
N. Papotto (Germany)

ENDOCANNABINOID AND N-ACYLETHANOLAMIDE LEVELS IN RAT BRAIN AND SPINAL CORD FOLLOWING SYSTEMIC DIPYRONE AND PARACETAMOL ADMINISTRATION
A. Ulugol (Turkey)

IN VITRO AND IN VIVO EVIDENCE FOR THE ROLE OF SPHINGOMYELIN AND LIPID RAFTS IN CA2+-GATING OF THE TRANSIENT RECEPTOR POTENTIAL CHANNELS IN SENSORY NEURONS
E. Szoke (Hungary)

PAIN SENSITIVITY IS RHYTHMIC; CONTROLLED BY SLEEP AND CIRCADIAN ENDOGENOUS PROCESSES
I. Daguet (France)

Poster Session
12:30 - 13:30

DIAGNOSIS AND MEASUREMENT IN PAIN WALK 2

Chairs:
D. Tibboel (Netherlands)

PREDICTION OF POSTOPERATIVE PAIN AND OPIOID EFFECT BY PSYCHOLOGICAL PARAMETERS AND INTRAOPERATIVE MEASURES OF NOCICEPTION
S. Mathivon (Switzerland)

INVESTIGATING THE EFFECT OF PRIMING WITH HEAT AND CAPSAICIN ON THE DEVELOPMENT OF HYPERALGESIA TO HIGH FREQUENCY ELECTRICAL STIMULATION
C. D. Merck (Denmark)

DIFFERENCE IN EXERCISE-INDUCED HYPOALGESIA AFTER 3-MINUTE ISOMETRIC WALLSQAUT EXERCISE IN SUBGROUPS OF HEALTHY SUBJECTS
S. Hansen (Denmark)

CENTRAL ASPECTS OF PAIN IN THE KNEE (CAP-KNEE) QUESTIONNAIRE FOR ASSESSING CENTRAL MECHANISMS IN PEOPLE WITH KNEE PAIN
DO PHYSICAL ACTIVITY LEVELS PREDICT THE EFFICACY OF CONDITIONED PAIN MODULATION? RESULTS FROM A CROSS-SECTIONAL STUDY IN HEALTHY INDIVIDUALS
S. Van Oosterwijck (Belgium)

VERY-EARLY ACUTE CLINICAL PAIN, PSYCHOPHYSICAL PAIN SENSITIVITY AND PSYCHOLOGICAL DISTRESS CAN PREDICT PAIN BEHAVIOR IN MTBI POST-COLLISION PATIENTS AT ONE-YEAR POST-INJURY
P. Kuperman (Israel)

ENHANCING THE PERCEPTION OF PAIN USING VIRTUAL REALITY: A PRELIMINARY REPRODUCIBILITY STUDY
R. Doll (Netherlands)

RELIABILITY ASSESSMENT OF THE CONDITIONED PAIN MODULATION PARADIGM WITH A CONTACT HEAT AS A CONDITIONING STIMULUS
A. Knezevic (Serbia)

PAIN REPORTING ACCURACY AND PAIN RELATED PSYCHOLOGICAL FACTORS
R. Treister (Israel)

MEASUREMENT PROPERTIES OF PATIENT-REPORTED UNIDIMENSIONAL PAIN INTENSITY SCALES USED IN ADULTS WITH CHRONIC PAIN - A SYSTEMATIC REVIEW
U. Kaiser (Germany)

Poster Session
12:30 - 13:30

CYLINDRICAL LEADS FOR PERCUTANEOUS IMPLANTATION IN SPINAL CORD STIMULATION FOR FAILED BACK SURGERY SYNDROME: IMPLANT OF TWO ELECTRODES IN ANATOMICAL POSITION
A. Jover Vidal (Spain)

SEVERITY OF INFLAMMATORY BACK PAIN AND DISEASE ACTIVITY IN PATIENTS WITH EARLY AXIAL SPONDYLOARTHRITIS
D. Rumiantceva (Russian Federation)

SEX-SPECIFIC EFFECTS IN THE GENETICS OF CHRONIC BACK PAIN
F.M. Williams (United Kingdom)

CHRONIC LOW BACK PAIN IN THE ADULT'S SPANISH POPULATION: IDENTIFYING CLINICAL SUBGROUPS THROUGH CLUSTER ANALYSIS
I. Failde (Spain)

ANALYSIS OF ULTRASONIC VOCALIZATIONS IN RATS SUBJECTED TO CHRONIC OROFACIAL PAIN MODELS
E. Araya (Brazil)

MENTHOL, A TRPM8 AGONIST, PROMOTES OROFACIAL ANTINOICEPTION IN ADULT ZEBRAFISH THROUGH TRPA1 ANTAGONISM
C.A. Prata Bezerra de Sousa (Brazil)
PREOPERATIVE CONDITIONED PAIN MODULATION AND PAIN CATASTROPHYZING PREDICT PAIN 12 MONTHS AFTER TOTAL KNEE ARTHROPLASTY
K. Petersen (Denmark)

PRIOR TREADMILL WALKING EXERCISE ALEVIATES PRIMARY AND SECONDARY HYPERALGESIA IN A RAT OSTEOARTHRITIS MODEL
I. Takeshita (Japan)

THE SOLUBLE INTERLEUKIN-2 RECEPTOR IN COMPLEX REGIONAL PAIN SYNDROME: IS IT SUITABLE FOR DISTINGUISHING CRPS FROM OTHER PAIN CONDITIONS IN ROUTINE CLINICAL PRACTICE?
K.D. Bharwani (Netherlands)

Poster Session
12:30 - 13:30

PAIN SYNDROMES WALK 5

Chairs:
J. Osterbrink (Austria)

EVALUATING INCIDENCE AND PREVALENCE OF PAIN IN PATIENTS ATTENDING FOR ELECTIVE JOINT REPLACEMENT
M. Galligan (United Kingdom)

PREVALENCE OF CHRONIC AND NEUROPATHIC PAIN IN ADULTS WITH MOTOR DISABILITY IN CARE IN BUENOS AIRES CENTERS
V. Matassa (Argentina)

BURN PATIENTS PAIN DURING DRESSING CHANGES
M. Stojanovic (Serbia)

PRESSURE PAIN SENSITIVITY AND MUSCLE STIFFNESS MAPS OF THE GASTROCNEMIUS MUSCLES IN STROKE PATIENTS: A PILOT STUDY
P. González-García (Spain)

DEVELOPMENT, IMPLEMENTATION AND EVALUATION OF AN E-TRAINING FOR PAIN ASSESSMENT IN PEOPLE WITH DEMENTIA
P. Braaksma (Netherlands)

INCREASING AGE IS ASSOCIATED WITH ELEVATED CIRCULATING INTERLEUKIN-6 LEVELS AND ENHANCED TEMPORAL SUMMATION OF MECHANICAL PAIN IN PEOPLE LIVING WITH HIV AND CHRONIC PAIN
B. Goodin (United States)

NOICEPTIVE-SPECIFIC DETECTION TASK ENCODES PERCEPTUAL PAIN THRESHOLD IN TRPV1-CHR2 TRANSGENIC MICE
C. Black (United States)
The 11th Congress of the European Pain Federation EFIC, 
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Poster Session
12:30 - 13:30

Poster Area

PAIN SYNDROMES WALK 7

Chairs:
T. Graven-Nielsen (Denmark)

- COMPARISON OF ANALGESIC EFFECTS OF MARAVIROC, RS504393 AND CENICRIVIROC IN RODENTS AFTER SCIATIC NERVE INJURY BASED ON BEHAVIORAL AND MOLECULAR STUDIES
  K. Kwiatkowski (Poland)

- A RECOMBINANT HUMAN SOLUBLE THROMBOMODULIN (ART-123) PREVENTS OXALIPLATIN-INDUCED HYPERALGESIA WITHOUT AFFECTING ANTI-TUMOR ACTIVITY IN RODENTS
  T. Minami (Japan)

- A STUDY OF THE ROLE OF PSYCHOLOGICAL FLEXIBILITY AMONG UK ADULT PATIENTS WITH PAINFUL DIABETIC NEUROPATHY
  K. Kioskli (United Kingdom)

- µ1-OPIOID RECEPTORS MEDIATE THE ANTIALLODYNIC EFFECT OF ROSMARINUS OFFICINALIS L. (ALECRIM) IN NEUROATHIC PAIN IN MICE
  G. Reis (Brazil)

- NEUROPHYSIOLOGIC FINDINGS IN SYMPTOMATIC PATIENTS AFTER CHEMOTHERAPY
  N. Saleque (United Kingdom)

- CORRELATIONS BETWEEN NEUROPATHIC PAIN, QUALITY OF LIFE AND MOOD IN TYPE 2 DIABETIC PATIENTS

Poster Session
12:30 - 13:30

Poster Area

PAIN SYNDROMES WALK 8

Chairs:
B. Fullen (Ireland)

- CHARACTERISTICS OF NEUROPATHIC PAIN AND ITS IMPACT ON QUALITY OF LIFE IN PATIENTS WITH CHRONIC LOW BACK PAIN SYNDROME
  Z. Vukojevic (Bosnia and Herzegovina)

- LINACLOTIDE TREATMENT REDUCES ENDOMETRIOSIS-ASSOCIATED VAGINAL HYPERALGESIA AND MECHANICAL ALLODYNIA THROUGH VISCERO-VISCERAL CROSS-TALK
  G. Hannig (United States)

- PAIN MODULATORY PHENOTYPES DIFFERENTIATE CHRONIC PANCREATITIS PATIENTS WITH DISTINCT CLINICAL PAIN PROFILES
  I.M. Larsen (Denmark)

- CHRONIC STRESS INDUCES BLADDER PAIN THROUGH AN TRK A-ALPHA 1A ADRENOCEPTOR MEDIATED MECHANISM
  A. Charrua (Portugal)

- THE RISK FACTORS FOR NEW ONSETS OF FIBROMYALGIA: THE LIFELINES STUDY
  F. Creed (United Kingdom)
**Scientific Programme**

**EFFECTS OF A 15 WEEKS RESISTANCE EXERCISE PROGRAM ON LEVELS OF ENDOCANNABINOIDS AND N-ACYLETHANOLAMINES IN WOMEN WITH FIBROMYALGIA AND HEALTHY CONTROLS**
N. Stensson (Sweden)

**IDENTIFICATION OF GENETIC DETERMINANTS FOR CENTRAL PAIN SENSITIZATION IN FIBROMYALGIA PATIENTS**

**PATHOPHYSIOLOGICAL BASIS OF PAIN IN FIBROMYALGIA**
A. Goebel (United Kingdom)

**DISRUPTED CROSS-FREQUENCY COUPLING RELATED TO COGNITIVE IMPAIRMENTS IN THE RESERPINE-INDUCED MYALGIA MODEL**
A. Blasco-Serra (Spain)

**PAIN THERAPIES WALK 4**

**Chairs:**
K. Meier

**REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN CENTRAL POST-STROKE PAIN: THE ROLE OF DOPAMINE D2 RECEPTOR GENE POLYMORPHISM IN TREATMENT OUTCOME**
J. Vanhanen (Finland)

**INTERLEUKIN -6 PROMOTES SPONTANEOUS FIRING OF SENSORY AFFERENT FIBRES IN THE RAT**
D. Tewari (United Kingdom)

**WHISPER RCT: AN UPDATED POST-HOC EVALUATION OF SUB-PERCEPTION SCS AT ≤1.2 KHZ IN PREVIOUSLY-IMPLANTED SUBJECTS**

**POSTERIOR INSULA AS A POTENTIAL TARGET FOR NEUROPATHIC PAIN TREATMENT - AN EXPERIMENTAL STUDY ON A CAT MODEL OF LOW AND HIGH FREQUENCY INSULAR STIMULATION**
H.D. Chehade (Lebanon)

**CORTICAL AND SUB-CORTICAL RESPONSES TO REAL AND SHAM MOTOR CORTEX REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN FIBROMYALGIA INVOLVE DISTINCT FUNCTIONAL CONNECTOME SUB-SYSTEMS**
I. Weissman-Fogel (Israel)

**PAIN THERAPIES WALK 4**

**Chairs:**
A. Mouraux (Belgium)

**PATTERNS OF OPIOID PRESCRIBING FOR PATIENTS BEFORE REFERRAL TO A UNIVERSITY HOSPITAL SECONDARY CARE PAIN MEDICINE SERVICE IN LIVERPOOL, UK**
H.K. Tsang (United Kingdom)
Scientific Programme

THE USE OF NON-OPIOID ANALGESICS IN PATIENTS TAKING ANTIPLATELET DRUGS AND ANTICOAGULANTS, WHAT TO LOOK FOR IN CLINICAL PRACTICE
J. Woroń (Poland)

IMPROVED SAFETY OF OPIOID ANALGESIC OLCERIDINE COMPARED TO MORPHINE ASSESSED BY UTILITY FUNCTION ANALYSIS
A. Dahan (Netherlands)

DIETARY ASCORBIC ACID RESTRICTION IN GNL/SMP30-KNOCKOUT MICE UNVEILS THE ROLE OF ASCORBIC ACID IN REGULATION OF CAV3.2-DEPENDENT PAIN
A. Kawabata (Japan)

TOPICAL MORPHINE FOR THE TREATMENT OF CANCER-RELATED PAINFUL MUCOSAL AND CUTANEOUS LESIONS: A DOUBLE-BLIND, PLACEBO-CONTROLLED CROSS-OVER CLINICAL TRIAL
T. Dzierzanowski (Poland)

THE ASSOCIATION BETWEEN ACCEPTANCE AND PSYCHOLOGICAL AND PHYSICAL FUNCTION IN PORTUGUESE WOMEN IN CHRONIC PAIN DUE TO ENDOMETRIOSIS
A. Rosa (Portugal)

CONTRIBUTION OF MINDFUL SELF-COMPASSION PROGRAM IN SELF-CARE PRACTICE AND NEGATIVE MOOD IN CHRONIC PAIN PATIENTS
M. Bermúdez Castro (Spain)

Poster Session
12:30 - 13:30
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LATE BREAKING PAIN SYNDROMES AND GENERAL GUIDED POSTER WALK

Chairs:
S. Brill (Israel)

MANAGEMENT AND QUALITY OF LIFE OF PATIENTS WITH CHRONIC PAIN ATTENDING PRIMARY CARE UNITS IN MAINLAND PORTUGAL: AN OBSERVATIONAL STUDY
F. Antunes (Portugal)

SEVERE CHRONIC LOW BACK PAIN PATIENT JOURNEY IN EUROPE - OPPORTUNITY FOR BETTER MANAGEMENT
B. Morlion (Belgium)

PAIN CONTROL BY KETAMINE IN COMBAT SITUATIONS: CONSIDERATION AND OUTCOMES
M.J. Behzadnia (Iran, Islamic Republic of)

CAREGIVER ANXIETY AND THE ASSOCIATION WITH ACUTE POST-OPERATIVE PAIN IN CHILDREN
S. Chetty (South Africa)

TRENDS IN LUMBAR SPINE SURGERY IN NORWAY: A 15-YEAR STUDY
M. Grotle (Norway)

CHRONIC PAIN AND COGNITIVE PERFORMANCE IN OLDER CAREGIVERS: LONGITUDINAL STUDY
P. Hortense (Brazil)
A PROSPECTIVE, MULTI-CENTER, RANDOMIZED, CLINICAL TRIAL COMPARING COOLED RADIOFREQUENCY ABLATION VS A SINGLE INJECTION OF HYALURONIC ACID IN THE MANAGEMENT OF OA KNEE PAIN
A. Tinnirello (Italy)

RELAPSING-REMITTING CRPS: CASE-BASED DISCUSSION OF A RARE SUBTYPE
S. Hewitt (United Kingdom)

S1PR ANTAGONIST ATTENUATES MECHANICAL ALLODYnia IN A MOUSE MODEL OF CHRONIC CRPS BY INHIBITING SPINAL REACTIVE ASTROCYTE-MEDIATED NEUROINFLAMMATION THROUGH THE NF-κB PATHWAY
D. Park (Korea, Republic of)

POSTER SESSION 2

EFFECT OF MONOPOLAR ELECTRICAL DRY NEEDLING ON PAIN AND SPONTANEOUS ELECTRICAL ACTIVITY OF MYOFASCIAL TRIGGER POINTS
Ó. Sánchez Méndez (Spain)

BENZODIAZEPINES: ADJUNCTS FOR PAIN TREATMENT?
E. Guertzenstein (Brazil)

METERED-DOSE CANNABIS INHALER PROVIDES CONSISTENT, DOSE-RELATED THC BLOOD CONCENTRATION AND ANALGESIC EFFECTS, IN PATIENTS WITH CHRONIC NEUROPATHIC PAIN
E. Eisenberg (Israel)

CURRENT STATUS OF PAIN MEDICINE TRAINING IN RESIDENCY PROGRAMS IN KOREA: A SURVEY OF ANESTHESIOLOGY AND PAIN MEDICINE RESIDENTS IN UNIVERSITY HOSPITALS
H.J. Park (Korea, Republic of)

MANAGEMENT THE FUNCTIONAL STATUS AND THE QUALITY OF LIFE OF PATIENTS WITH KNEE OSTEOARTROSIS AND RELATED FACTORS
A.M. Rodrigues da Cunha (Brazil)

COULD ANTICONVULSANTS HAVE AN EFFECT ON MOOD DISORDERS ASSOCIATED WITH CHRONIC PAIN?
E.M. González-Soler (Spain)

A FEASIBILITY STUDY ON PAIN NEUROSCIENCE EDUCATION IN INSTITUTIONALIZED OLDER ADULTS WITH CHRONIC PAIN
A. Silva (Portugal)

COMPARISON OF INTRAVENOUS AND EPIDURAL PATIENT-CONTROLLED ANALGESIA IN ELDERLY AFTER FEMORAL FRACTURES SURGERY: RANDOMIZED CONTROLLED TRIAL
G. Kristek (Croatia)

EXAGGERATED HYPERALGESIA AND BLUNTED CONDITIONED PAIN MODULATION IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER
H. Reschke (Germany)

NOCICEPTIVE RESPONDING IN THE VALPROIC ACID ANIMAL MODEL OF AUTISM AND ASSOCIATED CHANGES IN NEURONAL ACTIVATION
R.M. Humphrey (Ireland)
SUICIDAL IDEATION AND THOUGHTS OF SELF-HARM IN PEOPLE WITH FIBROMYALGIA: A COMPARISON WITH PEOPLE FROM OTHER PERSISTENT PAIN POPULATIONS  
E. Burgess Donnelly (United Kingdom)

THE DISTRIBUTION OF CHRONIC PAIN CONDITIONS IN A PSYCHIATRIC OUTPATIENT POPULATION  
I. Løvås (Norway)

INFLUENCE OF AGING ON POSTOPERATIVE PAIN: RESULTS FROM THE INTERNATIONAL PAIN OUT REGISTRY  
J. van Dijk (Netherlands)

PAIN-RELATED INTERFERENCE AND ANALGESIC NEEDS SIX MONTHS AFTER SURGERY  
U.M. Stamer (Switzerland)

BIOSPSYCHOSOCIAL APPROACHES TO SUPPORT AMPUTEES POST-OPERATIVELY: MULTIDISCIPLINARY INPUT WITH SPECIALIST PAIN SERVICES  
H.K. Tsang (United Kingdom)

THE ANALGESIC EFFICACY OF ULTRASOUND GUIDED CONTINUOUS QUADRATUS LUMBORUM BLOCK VERSUS CONTINUOUS PARAVERTEBRAL BLOCK IN RADICAL CYSTECTOMY-A RANDOMIZED STUDY  
M.H. Ahmad Sabry (Egypt)

COMPARISON EFFICACY OF EPINEPHRINE RELEASE INHIBITION ON SUPRACLAVICULAR PLEXUS BLOCK PROCEDURE  
R. Akhondzadeh (Iran, Islamic Republic of)

COMBINED BLOCK OF THE VASTUS MEDIALIS, SAPHENOUS NERVE AND IPACK BLOCK AS AN ANALGESIC STRATEGY IN TOTAL KNEE REPLACEMENT SURGERY  
C. Gracia (Spain)

EFFICACY OF COMBINATION OF THORACIC PARAVERTEBRAL BLOCK AND IV PCA TO IV PATIENT CONTROLLED ANALGESIA ALONE FOR POSTOPERATIVE PAIN MANAGEMENT IN NEPHRECTOMY PATIENTS  
K.C. Pant (India)

A COMPARISON STUDY OF TDS FENTANYL AND TDS MORPHINE ON LATE STAGE CANCER PATIENTS WITH REFRACTORY PAIN.  
Z. Kontouli (Greece)

CONTRIBUTION OF ADAM10 AND ADAM 17 TO FRACTALKINE SHEDDING AND NEURONAL-MICROGLIA COMMUNICATION IN NEUROPATHIC PAIN  
P. Mrozkova (United Kingdom)

MIRROR THERAPY IN MULTIDISCIPLINARY TREATMENT OF CRPS I PATIENTS  
O. Burianov (Ukraine)

SEARCHING OF RELIEF OF THE SENSORY SIGNS IN A POST-ISCHEMIC PAIN MODEL IN RATS  
C. Goicoechea (Spain)

OBJECTIVE ASSESSMENT OF VIDEO THERMOGRAPHY IMAGES OF PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME  
C.C. de Vos (Netherlands)

A NEW ALLODYNOGRAPHY QUANTIFICATION METHOD FOR SOMATOSENSORY REHABILITATION IN COMPLEX REGIONAL PAIN SYNDROME  
I. Weissman-Fogel (Israel)
LONG-TERM EFFICACY OF FREMANEZUMAB IN SUBGROUPS OF MIGRAINE PATIENTS WITH CLINICAL CHALLENGES THAT COMPLICATE MIGRAINE MANAGEMENT
V. López Álvarez (Spain)

IMPACT OF FREMANEZUMAB ON HRQOL IN CHRONIC MIGRAINE PATIENTS WITH DOCUMENTED INADEQUATE RESPONSE TO ≥3 CLASSES OF MIGRAINE PREVENTIVE TREATMENTS IN THE PLACEBO-CONTROLLED FOCUS STUDY
V. López Álvarez (Spain)

IMPACT OF FREMANEZUMAB ON DISABILITY IN CHRONIC MIGRAINE PATIENTS WITH DOCUMENTED INADEQUATE RESPONSE TO ≥3 CLASSES OF MIGRAINE PREVENTIVE TREATMENTS IN THE PLACEBO-CONTROLLED FOCUS STUDY
V. López Álvarez (Spain)

DYNAMIC MECHANICAL SENSITIVITY IN THE TRIGEMINAL AREA IS ASSOCIATED WITH WIDESPREAD PRESSURE PAIN SENSITIVITY IN CLUSTER HEADACHE
L. Arendt-Nielsen (Denmark)

THE EFFECTIVENESS OF CONDITIONED PAIN MODULATION IS NEGATIVELY ASSOCIATED WITH LEVELS OF PAIN CATASTROPHIZING IN CHRONIC LOW BACK PAIN
K. Christensen (Denmark)

THE CLINICAL COURSE OF LOW BACK PAIN DURING A MUNICIPALITY-BASED REHABILITATION PROGRAMME
E. Rona (Denmark)

EFFECTIVE TREATMENT OPTIONS FOR LUMBAR DISK HERNIATION WITH RADICULOPATHY
M. Ivanova (Russian Federation)

OBJECTIVE MEASUREMENTS OF LUMBAR SPINE FUNCTION IN BACK PAIN PATIENTS UNDERGOING HIGH-FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ
R. Ibrahim (Germany)

EFFICACY AND SAFETY OF TOPICAL NONIVAMIDE/NICOBOXIL FIXED DOSE COMBINATION (NONI) IN ACUTE LOW BACK PAIN (A-LBP): A RANDOMISED, PLACEBO CONTROLLED TRIAL
T. Weiser (Germany)

PAIN AND DISABILITY IN PEOPLE WITH SACROILIAC JOINT DYSFUNCTION (SIJD)
C. Ramírez Ramírez (Colombia)

THE EFFECT OF SOFT TISSUE MOBILIZATION ON PAIN, FUNCTION AND DEPRESSIVE SYMPTOMS IN PATIENTS WITH CHRONIC LOW BACK PAIN
N. Yagci (Turkey)

EFFICACY OF MULLIGAN MOBILISATION TECHNIQUE IN CHRONIC NON-SPESIFIC LOW BACK PAIN
N. Yagci (Turkey)

THE ASSOCIATION BETWEEN PRO-INFLAMMATORY CYTOKINES, MRI FINDINGS AND QUANTITATIVE SENSORY TESTING IN PATIENTS WITH SCIATICA
. Samuelly-Leichtag (Israel)

TREATMENT PATTERNS OF CHRONIC LOW BACK PAIN PATIENTS - INITIAL RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS’ RESEARCH
S. Perrot (France)
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THE SELECTIVE SOMATOSTATIN TYPE 4 (SST<sub>4</sub>) RECEPTOR AGONIST, J-2156, ALLEVIATES PRIMARY AND SECONDARY MECHANICAL HYPERALGESIA IN A RAT MODEL OF CHRONIC MECHANICAL LOW BACK PAIN
T.S.W. Park (Germany)

THE OROFACIAL ANTINOCICEPTIVE ACTIVITY OF CIS-JASMONE IN ADULT ZEBRAFISH IS MEDIATED BY TRPM8 CHANNELS
A.D. de Castro Ribeiro (Brazil)

ASSOCIATION BETWEEN TEMPOROMANDIBULAR JOINT OSTEOARTHRITIS AND MITOCHONDRIAL DNA HAPLOGRUPS IN A KOREAN POPULATION
M. Chang (Korea, Republic of)

INVolVEMENT OF HEMOKININ-1 IN TRIGEMINAL SENSITIZATION AFTER OROFACIAL INFLAMMATION
K. Bölcskei (Hungary)

OPTOGENETIC STRATEGIES TO INVESTIGATE PROFILES OF EXCITATORY PROJECTION FROM THE INSULAR CORTEX TO TRIGEMINAL SPINAL SUBNUCLEUS CAUDALIS
Y. Nakaya (Japan)

THE RELATIONSHIP BETWEEN SEDENTARY BEHAVIOUR AND PAIN IN PEOPLE WITH RHEUMATOID ARTHRITIS
H. O’Leary (Ireland)

INTRA-ARTICULAR GOLD MICRO PARTICLES RELIEVE PAIN IN KNEE OSTEOARTHRITIS. A PILOT STUDY
S. Rasmussen (Denmark)

DIFFERENTIAL OPIOID FUNCTION IN A RAT MODEL OF ANXIETY-LIKE BEHAVIOUR AND AUGMENTED OSTEOARTHRITIS PAIN
S.G. Woodhams (United Kingdom)

THE INFLUENCE OF RS1001179 POLYMORPHISM OF THE CATALASE GENE ON DISEASE ACTIVITY IN PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS TREATED WITH ETANERCEPT
J. Basic (Serbia)

PARTICIPATION OF AT2R AND HCN ION CHANNELS IN MODELS OF ARTHRITIC PAIN
L.G. Pinto (United Kingdom)

FOLATE CONJUGATED NANOPARTICULATE DRUG DELIVERY SYSTEM FOR THE EFFECTIVE MANAGEMENT OF RHEUMATOID ARTHRITIS
S. Bhargava (India)

PAIN NEUROSCIENCE EDUCATION AND COGNITION-TARGETED MOTOR CONTROL TRAINING TO IMPROVE CERVICAL MOTOR OUTPUT IN CHRONIC NECK PAIN PATIENTS: SECONDARY ANALYSIS OF A MULTICENTER RCT
D. Lenoir (Belgium)

THE PATIENT JOURNEY IN POST-SURGICAL NEUROPATHIC PAIN (PSNP): REVEALING GAPS BETWEEN GUIDELINES AND REAL-WORLD PRACTICE
B. Garrone (Italy)

SMALL MOLECULE SOMATOSTATIN RECEPTOR SUBTYPE 4 AGONISTS ARE NOVEL CANDIDATES FOR THE TREATMENT OF NEUROPATHIC PAIN AND DEPRESSION
Z. Helyes (Hungary)
“REAL-LIFE” MANAGEMENT OF PATIENTS CONSULTING FOR PERIPHERAL NEUROPATHIC PAIN IN FRENCH TERTIARY PAIN UNITS
S. Perrot (France)

POSSIBLE INVOLVEMENT OF SPINAL ENDOCANNABINOIDS IN A RAT MODEL OF TRIGEMINAL NEUROPATHIC PAIN
K. Nakai (Japan)

CELLULAR SIGNALING IN DORSAL ROOT GANGLION NEURONS FOLLOWING ACUTE EXPOSURE TO PACLITAXEL IN VITRO
P.M. Dougherty (United States)

THE PATIENT JOURNEY IN POST-HERPETIC NEURALGIA (PHN): REVEALING GAPS BETWEEN GUIDELINES AND REAL-WORLD PRACTICE
Ö. Sancak (Germany)

MIRROR THERAPY FOR PHANTOM LIMB AND STUMP PAIN: A RANDOMIZED CONTROLLED CLINICAL TRIAL IN LANDMINE AMPUTEES IN CAMBODIA
L. Danielsson (Norway)

DOES PHYSICAL THERAPY REDUCE PAIN IN PATIENTS WITH PERIPHERAL ARTERY OCCLUSIVE DISEASE?
S. Stojicic-Djulic (Serbia)

CROSSTALK BETWEEN THE HMGB1/RAGE AND CSE/H2S/CAV3.2 PATHWAYS INVOLVED IN CYSTITIS-RELATED BLADDER PAIN IN MICE
S. Hiramoto (Japan)

EFFECT OF FMRI-GUIDED NEURONAVIGATION BASED RTMS THERAPY ON PAIN PERCEPTION IN FIBROMYALGIA PATIENTS
V.K. Tiwari (India)

DEMONSTRATION OF THE ANTINOCICEPTIVE ACTION OF THE FIXED COMBINATION OF Candesartan-Clo mipramine
D.C. Ababei (Romania)

OFFSET ANALGESIA AND ONSET HYPERALGESIA WITH TWO DIFFERENT TEMPERATURE RANGES
J. Fust (Sweden)

CINNAMALDEHYDE-EVOKED SCRATCHING IN MICE REQUIRES DIRECT OR INDIRECT ACTIVATION OF TRPV4- AND TRPV1- BUT NOT TRPA1-EXPRESSING SENSORY NEURONS
E. Carstens (United States)

LYSOPHOSPHATIDIC ACID ACTIVATION OF SCHWANN CELLS
C. Ciotu (Austria)

CAPSAICIN INDUCED DESENSITIZATION OF THE SKIN: EFFECTS ON THE PERCEPTION OF NOXIOUS AND NON-NOXIOUS SENSORY STIMULI
S.G.A. van Neerven (Belgium)

PARTICIPATION OF THE NITRIC OXIDE-CYCICAL GMP-K+ CHANNEL PATHWAY IN THE PERIPHERAL ANTINOCICEPTIVE EFFECT OF CITRAL IN THE RAT FORMALIN TEST
M.I. Ortiz (Mexico)

INFLUENCE OF EXERCISE-INDUCED MUSCLE PAIN AND DELAYED ONSET MUSCLE SORENESS ON OFFSET ANALGESIA AND CONDITIONED PAIN MODULATION
T. Szikszyay (Germany)
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PRECEDING APPLICATION OF MINOCYCLINE SUPPRESSES PLASTIC CHANGES IN CORTICAL EXCITATORY PROPAGATION IN THE MODEL RAT WITH INFRAORBITAL NERVE LIGATION
M. Zama (Japan)

NALOXONE AND CTOP BLOCK NSAIDS-INDUCED ANTINOCICEPTION IN ANTERIOR CINGULATE CORTEX OF RATS
N. Tsiklauri (Georgia)

EVIDENCE FOR THE IN VIVO ANALGESIC EFFECT OF CARBOXAMIDO STEROIDS VIA LIPOPID RAFTS
T. Biró-Sütő (Hungary)

GLUTAMATE INDUCES IONOTROPIC AND METABOTROPIC GLUTAMATE RECEPTORS EXPRESSION IN PERIPHERAL MAST CELL POPULATIONS
M.A. Alim (Sweden)

CYP2D6 GONOTYPE CAN FACILITATE PREDICTION OF EFFICACY AND SAFETY OF TRAMADOL AND CODEINE TREATMENT. A STUDY ON GREEK POPULATION
C. Batistaki (Greece)

ANTIOXIDANT CAPACITIES OF PATIENTS WITH CHRONIC PAIN AFTER STRONG OPIOID TREATMENT
D. Ogurčáková (Slovakia)

CHRONIC PAIN IN ICD-11: VALIDATION OF THE PAIN SEVERITY EXTENSION CODE
G. Hay (Germany)

A COMPARISON OF SOME AND TRADITIONAL PATIENT RECRUITMENT STRATEGIES FOR AN ONLINE DIGITAL PAIN ASSESSMENT STUDY
M. Galve Villa (Denmark)

EVALUATING THE EFFECTIVENESS OF ESSENTIAL PAIN MANAGEMENT PROGRAM IN IMPROVING HEALTHCARE PROFESSIONALS KNOWLEDGE OF PAIN MANAGEMENT
M. Galligan (United Kingdom)

AN EVALUATION OF THE PROPORTION OF PRIMARY CARE PATIENTS AT RISK OF DEVELOPING CHRONIC PAIN IN FRENCH-SPEAKING BELGIUM
A. Steyaert (Belgium)

HOW IS A BIOPSYCHOSOCIAL REHABILITATION MODEL USED IN THE BELGIAN MULTIDISCIPLINARY CENTERS FOR THE TREATMENT OF CHRONIC PAIN?
O. Vanhaute (Belgium)

SPATIAL ATTENTION CAN MODULATE THE DEVELOPMENT OF SECONDARY HYPERALGESIA
L. Filbrich (Belgium)

DO RELIGION AND SPIRITUALITY PLAY A ROLE IN FUNCTION, PAIN-RELATED BELIEFS AND COPING IN PATIENTS WITH CHRONIC PAIN? A SYSTEMATIC REVIEW
A. Ferreira-Valente (Portugal)

BEHAVIORAL ACTIVATION AND INHIBITION SYSTEMS: FURTHER EVALUATION OF A BIS-BAS MODEL OF CHRONIC PAIN
E. Sánchez-Rodríguez (Spain)

PEOPLE IN PAIN MAKE POORER DECISIONS
J. Pickering (United Kingdom)
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STIMULUS CONTROLLABILITY CAN MODULATE THE INDUCTION OF HFS-INDUCED CENTRAL SENSITIZATION
V. Nicolardi (Italy)

THE ROLE OF THE SOURCE OF SOCIAL INFORMATION IN THE FORMATION OF PLACEBO ANALGESIA
E.A. Bajcar (Poland)

LONGER-LASTING PAINFUL ELECTRICAL STIMULATION PROVIDES EVIDENCE FOR DISASSOCIATION OF PAIN INTENSITY VS. PAIN AVERSIVENESS
T. Weiss (Germany)

HOPE, ACCEPTANCE AND CHRONIC PAIN
C. Tomé Pires (Spain)

PAIN ALLIANCE EUROPE (PAE) SURVEY ON CHRONIC PAIN AND WORK LIFE
M. Nicholson (Belgium)

THE IMPACT OF OSTEOARTHRITIS DISEASE SEVERITY ON CURRENT HEALTHCARE RESOURCE UTILISATION IN THE EU - RESULTS FROM A REAL-WORLD STUDY
L. Abraham (United Kingdom)

THE IMPACT OF OSTEOARTHRITIS DISEASE SEVERITY ON CURRENT HEALTHCARE RESOURCE UTILISATION IN JAPAN - RESULTS FROM A REAL-WORLD STUDY
L. Abraham (United Kingdom)

AGEING AND SOCIETY: WHAT DOES THE RESEARCH LITERATURE ARTICULATE ABOUT INFORMAL CARERS’ EXPERIENCES WHO PROVIDE SUPPORT FOR OLDER FAMILY MEMBERS LIVING WITH CHRONIC PAIN?
S.-A. Francis (United Kingdom)

DIFFERENCE IN THE IMPACT OF CENTRAL SENSITIZATION ON PAIN-RELATED SYMPTOMS BETWEEN PATIENTS WITH CHRONIC LOW BACK PAIN AND KNEE OSTEOARTHRITIS
T. Nishigami (Japan)

MODALITY-SPECIFIC EVOKED POTENTIALS
S.-C. Fabig (Germany)

A NOVEL METHOD FOR ASSESSMENT AND CHARACTERIZATION OF PANCREATIC PAIN
I.M. Larsen (Denmark)

IS THE GRADE OF THERMAL PAIN SENSITIVITY LINKED TO FUNCTIONAL STATUS IN PATIENTS WITH FIBROMYALGIA?
Z. Kuret (Slovenia)

DIGITAL MAPPING AND TRACKING OF PAIN INTENSITY, DISTRIBUTION AND QUALITY FROM HOME IN PATIENTS WITH CHRONIC PAIN: PRELIMINARY INSIGHTS
M. Galve Villa (Denmark)

WITHIN-SUBJECTS VARIABILITY OF PAIN INTENSITY REPORTS AND VARIABILITY OF REPORT OF OTHER BODILY SENSATIONS IN DANCERS
D. Mendonça (Portugal)

SENSORY-AUTONOMIC INTERACTION: A READOUT OF CENTRAL SENSITIZATION
P.S. Scheuren (Switzerland)
DO WE NEED TELEMONITORING IN CHRONIC PAIN? A RANDOMIZED CONTROLLED TRIAL COMPARING A PAIN APP WITH AND WITHOUT CLINICAL ALARMS
A. Server (Spain)

TEST-RETEST RELIABILITY AND CONSTRUCT VALIDITY OF THE OPTIMAL SCREENING FOR PREDICTION OF REFERRAL AND OUTCOME YELLOW FLAGS (OSPRO-YF) IN PATIENTS WITH SHOULDER PATHOLOGY
H. Razmjou (Canada)

CAN PEOPLE WITH CHRONIC NECK PAIN RECOGNISE THEIR OWN DIGITAL PAIN DRAWING?
D. Abichandani (United Kingdom)

TWO PORTUGUESE BRIEF VERSIONS OF RELIGIOSITY MEASURES APPLIED IN A SAMPLE OF PORTUGUESE PATIENTS WITH CHRONIC PAIN
A. Ferreira-Valente (Portugal)

TOWARDS A MAGNETOENCEPHALOGRAPHY SIGNAL MARKER OF CHRONIC PAIN
B. Witjes (Netherlands)

ALTERED RESTING-STATE FUNCTIONAL CONNECTIVITY IN WOMEN WITH TRAUMATIC AND NON-TRAUMATIC CHRONIC NECK PAIN COMPARED TO PAIN-FREE WOMEN: ASSOCIATIONS WITH PAIN OUTCOMES AND CENTRAL SENSITIZATION?
I. Coppieters (Belgium)

EXPERIMENTAL ONGOING MUSCULOSKELETAL PAIN AFTER NERVE GROWTH FACTOR INJECTION INCREASES LOW AND HIGH FREQUENCY EEG ACTIVITY DURING REST
J.M. Völker (Denmark)

CORTICAL THICKNESS AS A PREDICTOR FOR RTMS TREATMENT OUTCOME IN ATYPICAL FACIAL PAIN
L. Säisänen (Finland)

INCREASED NEURAL ACTIVATION FOR CONDITIONED PAIN RESPONSES FOLLOWING A FALSE LOW- VS HIGH PAIN CUE IS RELATED TO PAIN CATASTROPHIZING IN FIBROMYALGIA PATIENTS
A. Sandström (Sweden)

USING HIGH ANGULAR RESOLUTION DIFFUSION IMAGING TO INVESTIGATE PATHOPHYSIOLOGICAL CHANGES IN THE DORSAL DIENCEPHALIC CONDUCTING PATHWAY IN CHRONIC PAIN.
K. Levins (Ireland)

OBSERVATIONAL STUDY OF NALOXEGOL FOR PATIENTS WITH CANCER PAIN DIAGNOSED WITH OPIOID INDUCED CONSTIPATION. NACASY STUDY PRELIMINARY RESULTS
A. Davies (United Kingdom)

ANALGESIC EFFECTS OF MICA IN THE PARTIAL SCIATIC NERVE LIGATION-INDUCED NEUROPATHIC PAIN MICE MODEL
J.-Y. Oh (Korea, Republic of)

ACUPUNCTURE ALLEVIATES BOTH ALLODYNA AND COGNITIVE DYSFUNCTION BY MODULATING SYNAPTIC PLASTICITY IN HIPPOCAMPAL NEURONS OF CHRONIC NEUROPATHIC PAIN
J.-H. Jang (Korea, Republic of)

WHEN OPIOIDS FAIL IN CHRONIC PAIN MANAGEMENT: THE INTESTINAL EPITHELIAL BARRIER: A THERAPEUTIC TARGET?
A. Mazic - de Sonis (Belgium)
INTEGRATIVE MEDICINE APPROACH TO NEUROPATHIC PAIN TREATMENT - EFFECTIVE PAIN CONTROL WITH PHARMACOTHERAPY AND ACUPUNCTURE
M. Kocot-Kępska (Poland)

PERIPHERIC NERVE PULSED RADIOFREQUENCY FOR TRIGEMINAL NEURALGIA
T. Tanyel Kiremitçi (Turkey)

CASE SERIES OF SUCCESSFUL SUPERIOR HYPOGASTRIC PLEXUS BLOCKS FOR LOWER ABDOMINAL AND PELVIC PAIN
C.S.Y. Lee (United Kingdom)

PAIN REHABILITATION WITH LANGUAGE INTERPRETER, A SWEDISH MULTICENTER DEVELOPMENT PROJECT
E. Persson (Sweden)

SPINAL CORD STIMULATION FOR REFRACTORY ANGINA PECTORIS - A 3-YEAR FOLLOW-UP STUDY OF TREATMENT-RELATED COMPLICATIONS
L. Bengtsson (Sweden)

CONTRASTING THE EFFECT OF LIVE AND RECORDED HYPNOSIS: IS ONE APPROACH MORE EFFECTIVE TO REDUCE EXPERIMENTAL PAIN?
A. Redeker (Canada)

LONG-TERM RESULTS FROM FEEDBACK-CONTROLLED SCS USING EVOKED COMPOUND ACTION POTENTIALS (AVALON STUDY)
S. Falowski (United States)

EFFECTS OF SPINAL CORD STIMULATION ON HEART RATE VARIABILITY IN PATIENTS WITH FAILED BACK SURGERY SYNDROME
L. Goudman (Belgium)

EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON CLINICAL AND EXPERIMENTAL PAIN IN PATIENTS WITH FIBROMYALGIA
N. Samartin-Veiga (Spain)

ESSENTIAL PALLIATIVE CARE MEDICATIONS IN ARMENIA
I. Kazaryan (Armenia)

A FIRST-IN-HUMAN CLINICAL TRIAL TO ASSESS SAFETY, TOLERABILITY, PHARMACOKINETICS AND PHARMACODYNAMICS OF STR-324, A DUAL ENKELPHALINASE INHIBITOR AND THERAPEUTIC CANDIDATE FOR PAIN MANAGEMENT
C.L. Berends (Netherlands)

POPULATION PHARMACOKINETICS OF OXYCODONE AFTER EPIDURAL AND INTRAVENOUS ADMINISTRATION
P. Piirainen (Finland)

A NEW N-ACYLHYDRAZONE AS A POTENTIAL ANTINOCICEPTIVE AGENT
P. Fernandes (Brazil)

VOLUNTARY ORAL ADMINISTRATION OF THE PRO-RESOLUTION MEDIATOR MARESIN 1 ATTENUATES MECHANICAL ALLODYNIA IN THE SPARED NERVE INJURY MODEL OF NEUROPATHIC PAIN
L. Teixeira-Santos (Portugal)

ADVERSE DRUG REACTIONS DURING S-KETAMINE INFUSION IN PATIENTS WITH CHRONIC PAIN: 5 YEARS OF EXPERIENCE
A. Pot (Netherlands)
REAL-WORLD EFFICACY OF TAPENTADOL: ANALYSIS OF DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)
M. Überall (Germany)

THE EFFECTS OF LONG-TERM OPIOID TREATMENT ON THE IMMUNE SYSTEM: A SYSTEMATIC REVIEW
P.D.K. Diasso (Denmark)

PAIN ROUTER: A GUIDE TO THE MECHANISM-ORIENTED PAIN THERAPY IN CHRONIC NON-MALIGNANT PAIN
R. Sittl (Germany)

ININVOLVEMENT OF SEROTONERGIC, NORADRENERGIC AND GABAERGIC SYSTEMS IN THE ANTINOCICEPTIVE EFFECT OF A KETAMINE-MAGNESIUM SULFATE COMBINATION IN ACUTE PAIN
K. Savić Vujović (Serbia)

ANALGESIC EFFECT OF NOVEL MONOCLONAL ANTIBODY AGAINST NAV1.7 IN PERIPHERAL NEUROPATHIC PAIN MODELS
Y. Sakurai (Japan)

ROLE OF CANNABIS AND CANNABINOIDS IN PAIN MANAGEMENT AND SOCIAL ASPECTS OF MEDICAL CANNABIS LEGALIZATION
D. Naujokaitis (Lithuania)

EFFECTIVENESS AND TOLERABILITY OF THC:CBD OROMUCOSAL SPRAY FOR CHRONIC PAIN - RESULTS OF A LONGITUDINAL ANALYSIS FROM THE GERMAN PAIN UNITS REGISTRY
M. Überall (Germany)

DO CHANGES IN DEPRESSIVE SYMPTOMS MEDIATE THE EFFECT OF EXERCISE AND ADVICE FOR SUBACUTE LOW BACK PAIN?
V. Baadjou (Netherlands)

EFFECTIVENESS AND TOLERABILITY OF TOPICAL VIBRATORY STIMULATION FOR REDUCING PAIN DURING TRIGGER POINT INJECTION TO THE GASTROCNEMIUS: A RANDOMIZED CONTROLLED TRIAL
S. Kim (Korea, Republic of)

MULTIMODAL PAIN THERAPY AND WHAT THEN? A RE-EVALUATION OF THE THERAPEUTIC SUCCESS 3 YEARS AFTER COMPLETION OF THE TREATMENT
R. Likar (Austria)

COMPARING THRUST VERSUS NON-THRUST SPINAL MANIPULATION TECHNIQUES RELATIVE TO SHAM COLD LASER ON PAIN AND DISABILITY IN CHRONIC LOW BACK PAIN
J. Thomas (United States)

THE IMMEDIATE EFFECTS OF KINESIOLOGY TAPING ON EXPERIMENTALLY-INDUCED PAIN IN OTHERWISE PAIN-FREE HEALTHY HUMAN ADULTS
M.I. Johnson (United Kingdom)

ENDOGENOUS MODULATION OF PAIN - NO APPARENT DIFFERENCES IN THE MAGNITUDE OF INHIBITORY RESPONSE BETWEEN EXERCISE-INDUCED HYPOALGESIA AND CONDITIONED PAIN MODULATION
T.S. Palisson (Denmark)
Scientific Programme

Plenary
13:45 - 14:30  EFIC Hall

PAIN AT THE EDGES OF THE LIFE SPAN; WHERE PAEDIATRICS MEETS GERIATRICS
Chairs:
G. Pickering (France)

13:45 - 14:15  EFIC Hall

D. Tibboel (Netherlands)

Workshop: Neuropathic Pain
14:30 - 16:00  EFIC Hall

NEW TRENDS IN PAINFUL DIABETIC NEUROPATHY

Chairs:
A. Truini (Italy)

14:30 - 14:55  EFIC Hall

NEW EVIDENCE ON FREQUENCY AND RISK FACTORS FOR PAINFUL DIABETIC NEUROPATHY
A. Truini (Italy)

14:55 - 15:20  EFIC Hall

MORPHOMETRIC STUDIES OF SENSORY NERVE FIBRES AND THEIR RELEVANCE TO PAIN
P. Karlsson (Denmark)

15:20 - 15:45  EFIC Hall

CURRENT EVIDENCE AND NEW POSSIBILITIES FOR THE TREATMENT OF PAINFUL DIABETIC NEUROPATHY
N. Attal (France)

15:45 - 16:00  EFIC Hall

DISCUSSION

Workshop: Headache
14:30 - 16:00  Auditorium 1A

NEW TRENDS IN TRIGEMINAL NEURALGIA

Chairs:
G. Cruccu (Italy)

14:30 - 14:55  Auditorium 1A

THE NEW CLASSIFICATION OF TRIGEMINAL NEURALGIA AND CLINICAL EXAMINATION
T. Nurmikko (United Kingdom)

14:55 - 15:20  Auditorium 1A

AN EVIDENCE-BASED APPRAISAL OF THE DIAGNOSTIC ACCURACY OF NEUROPHYSIOLOGICAL AND NEUROIIMAGING TESTS
G. Cruccu (Italy)
Scientific Programme

TREATMENT STRATEGIES - CURRENT MEDICATION OPTIONS, DRUGS IN THE PIPE-LINE AND SURGICAL OPTIONS
L. Bendtsen (Denmark) 15:20 - 15:45

DISCUSSION 15:45 - 16:00

Workshop: Psychology
14:30 - 16:00 Hall 1B

ADDRESSING THE ELEPHANT IN THE ROOM: A DETAILED EXPLORATION OF DIAGNOSTIC UNCERTAINTY IN ADULT AND PAEDIATRIC CHRONIC PAIN SETTINGS
93

Chairs:
A. Jordan (United Kingdom)

WHEN UNCERTAINTY CAN'T BE REMOVED, HOW DO WE FOSTER SELF-MANAGEMENT AND ACCEPTANCE IN ADULTS WITH CHRONIC PAIN?
T. Pincus (United Kingdom) 14:30 - 14:55

THE PEDIATRIC PERIOD: DIAGNOSTIC UNCERTAINTY IN YOUTH WITH CHRONIC PAIN AND THEIR PARENTS
M. Noel (Canada) 14:55 - 15:20

THE FLIP SIDE: CLINICIANS' EXPERIENCES OF MANAGING DIAGNOSTIC UNCERTAINTY IN A PAEDIATRIC CONTEXT
A. Jordan (United Kingdom) 15:20 - 15:45

DISCUSSION 15:45 - 16:00

Refresher Course: Pain Syndromes
14:30 - 16:00 Hall 3A

CANCER (RELATED) PAIN

Physiotherapist Track

Chairs:
M. Bennett (United Kingdom)

THE ROLE OF THE WHO LADDER AFTER 30 YEARS
M. Bennett (United Kingdom) 14:30 - 14:55

INVASIVE TREATMENT IN ACUTE CANCER PAIN
M. Lal Sharma (United Kingdom) 14:55 - 15:20

PAIN IN CANCER SURVIVORS
J. Paice (United States) 15:20 - 15:45

Q&A 15:45 - 16:00
Scientific Programme

Workshop: Pharmacological Topics
14:30 - 16:00
Room 3F

OPIOID INDUCED BOWEL DYSFUNCTION (OIBD) WITH A FOCUS ON OPIOID INDUCED CONSTIPATION AND OPIOID INDUCED NAUSEA; FROM MODEL TO CLINICAL PRACTICE

208

Chairs:
G. Koopmans-Klein (Netherlands)

PATHOPHYSIOLOGY OF OPIOID INDUCED BOWEL DYSFUNCTION (OIBD) AND MODELS FOR THE STUDY OF OIBD
A.M. Drewes (Denmark)

EFFICACY OF OPIOID ANTAGONIST TREATMENTS FOR OPIOID INDUCED CONSTIPATION (OIC)
G. Koopmans-Klein (Netherlands)

OPIOID INDUCED NAUSEA AND VOMITING IN CLINICAL PRACTICE
A. Davies (United Kingdom)

DISCUSSION

Workshop: Pain Syndromes
14:30 - 16:00
Room 2H

TACKLING PAIN IN VULNERABLY OLD INDIVIDUALS SUFFERING FROM DEMENTIA

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Chairs:
M. Kunz (Netherlands)

NEW TOOLS AND NOVEL ALGORITHMS FOR PAIN ASSESSMENT IN DEMENTIA
S. Lautenbacher (Germany)

INNOVATIVE TRAINING PROTOCOLS AND PROGRAMS TO IMPROVE HEALTHCARE PROFESSIONALS’ ABILITY TO DETECT PAIN IN DEMENTIA
M. Kunz (Netherlands)

NOVEL DEVELOPMENTS IN OPIOID USE IN DEMENTIA, IT IS NOT ‘PATCH-WORK’!
W. Achterberg (Netherlands)

DISCUSSION
Workshop: Basic Science
14:30 - 16:00
Room 4C

TEMPORAL DYNAMICS OF SENSITISATION ALONG A CONTINUUM OF SPINAL PAIN

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Chairs:
T.S. Palsson (Denmark)

INTRODUCTION
14:30 - 14:45

TEMPORAL RELATIONSHIPS BETWEEN LOW BACK PAIN AND PAIN SENSITIVITY: EVIDENCE FROM EXPERIMENTAL AND CLINICAL MODELS
14:45 - 15:00
M. McPhee (Denmark)

TEMPORAL STABILITY OF PSYCHOPHYSICAL MEASURES AND SOMATOSENSORY CHANGES ACROSS ACUTE AND CHRONIC LOW BACK PAIN: EVIDENCE FROM COHORT STUDIES
15:00 - 15:15
A. Marcuzzi (Australia)

SENSITISATION ALONG THE CONTINUUM OF CHRONIC IDIOPATHIC NECK PAIN TO CHRONIC WIDESPREAD PAIN
15:15 - 15:30
I. Coppieters (Belgium)

DISCUSSION
15:30 - 15:45

CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH
15:45 - 16:00

Patient Care
14:30 - 16:00
Room 4F

THE PATIENTS PERSPECTIVE: HOW TO LIVE AND WORK WITH CHRONIC PAIN

Chairs:
I. Thomassen

PATIENT NEEDS IN THE MANAGEMENT OF CHRONIC PAIN
14:30 - 14:55
A. Kent (United Kingdom)

PARTNER AND FAMILY LIFE/RELATIONSHIPS, INTIMACY, FAMILY PLANNING AND CHRONIC PAIN
14:55 - 15:20
V. Romero Pazos (Spain)

PAIN IN THE WORKPLACE
15:20 - 15:45
G. O Leary (Ireland)

DISCUSSION
15:45 - 16:00
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Workshop: Neuropathic Pain
16:30 - 18:00
EFIC Hall

PHENOTYPING NEUROPATHIC PAIN AFTER 25 YEARS OF RESEARCH: WHERE DO WE STAND, WHERE DO WE GO?

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Chairs:
J. Vollert (United Kingdom)

PAIN QUESTIONNAIRES AS AN EASY TOOL FOR ASSESSMENT OF PAIN PHENOTYPES.
16:30 - 16:55
D. Bouhassira (France)

STRATIFYING PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN BASED ON SENSORY PROFILES
16:55 - 17:20
J. Vollert (United Kingdom)

VISION OR FACT? AN ELECTROPHYSIOLOGICAL APPROACH FOR THE ASSESSMENT OF THE ENTIRE SOMATOSENSORY SPECTRUM
17:20 - 17:45
P. Hüllemann (Germany)

DISCUSSION
17:45 - 18:00

Workshop: General
16:30 - 18:00
Auditorium 1A

NEW FINDINGS IN CLINICAL PAIN RESEARCH: RESULTS FROM FORMER E-G-G WINNERS

WELCOME AND INTRODUCTION
16:30 - 16:35
B. Przewlocka (Poland)

THE INTERSECTION OF PAIN AND REWARD: THE ROLE OF DOPAMINE AND ALTERATIONS IN CHRONIC PAIN
16:35 - 16:55
S. Becker (Germany)

DISENTANGLING PAIN AND FATIGUE: A CLINICAL AND NEUROCOGNITIVE APPROACH
16:55 - 17:15
J. Oosterman (Netherlands)

CAN TRAINING INCREASE REPORTING ACCURACY AND STUDY POWER IN HUMAN PAIN TRIALS?
17:15 - 17:35
R. Treister (Israel)

NOCICEPTIVE NERVE ENDINGS AS TARGETS FOR PAIN RESEARCH
17:35 - 17:55

CLOSING OF THE SYMPOSIUM
17:55 - 18:00
B. Przewlocka (Poland)
Workshop: Psychology
16:30 - 18:00  Hall 1B

PAIN PSYCHOLOGY COMING OF AGE: FOUNDATIONS, EVIDENCE, AND INNOVATIONS
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Chairs:
A. Williams (United Kingdom)

EMBODIED DEFENCE: OPPORTUNITIES FOR A NEW PSYCHOLOGY OF PAIN 16:30 - 16:55
C. Eccleston (United Kingdom)

LET'S TALK ABOUT MEASUREMENT AND CAUSALITY: BACK TO THE FUTURE 16:55 - 17:20
G. Crombez (Belgium)

MOVING AND INTERACTING RATHER THAN SITTING AND THINKING 17:20 - 17:45
A. Williams (United Kingdom)

DISCUSSION 17:45 - 18:00

Refresher Course: Visceral Pain
16:30 - 18:00  Hall 3A

VISCERAL PAIN

Chairs:
A.M. Drewes (Denmark)

DEFINITION, SYMPTOMS, EPIDEMIOLOGY AND ASSESSMENT OF VISCERAL PAIN 16:30 - 16:55
A.M. Drewes (Denmark)

MANAGEMENT AND PROGNOSIS OF FUNCTIONAL GI PAIN 16:55 - 17:20
H. Törnblom (Sweden)

MANAGEMENT AND PROGNOSIS OF ORGANIC VISCERAL PAIN 17:20 - 17:45
S. Olesen (Denmark)

Q&A 17:45 - 18:00

Workshop: Pharmacological Topics
16:30 - 18:00  Room 3F

KETAMINE FOR REFRACTORY PAIN: PHOENIX OR BLACK SHEEP?
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Chairs:
R.F. Bell (Norway)

ASSESSMENT OF PHARMACOKINETIC INTERACTIONS BETWEEN MORPHINE AND KETAMINE IN VITRO AND IN HUMANS 16:30 - 16:55
T. Lilius (Finland)
Scientific Programme

**KETAMINE FOR REFRACTORY PAIN: THE BOTTOM LINE** 16:55 - 17:20
R.F. Bell (Norway)

**KETAMINE FOR REFRACTORY PAIN: PHOENIX OR BLACK SHEEP** 17:20 - 17:45
G. Pickering (France)

**DISCUSSION** 17:45 - 18:00

Workshop: Pain Syndromes
16:30 - 18:00  Room 2H

**OVERGENERALISATION: THE MISSING LINK BETWEEN CHRONIC PAIN AND DEPRESSION**

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**Chairs:**
A. Meulders (Belgium)

**OVERGENERALISATION IN CHRONIC PAIN AND FIBROMYALGIA** 16:30 - 16:55
A. Meulders (Belgium)

**GENERALISATION IN PLACEBO HYPOALGESIA** 16:55 - 17:20
C. Büchel (Germany)

**COMORBIDITY OF MIGRAINE AND DEPRESSION: A GENETIC PERSPECTIVE** 17:20 - 17:45
L. Ligthart (Netherlands)

**DISCUSSION** 17:45 - 18:00

Workshop: Basic Science
16:30 - 18:00  Room 4C

**I GOT THEM ALL: PATHOPHYSIOLOGY AND TREATMENT OF OVERLAPPING PAIN CONDITIONS**

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**Chairs:**
L. Diatchenko (Canada)

**MOLECULAR PATHOPHYSIOLOGY OF OVERLAPPING PAIN CONDITIONS: THE LESSON FROM UK BIOBANK** 16:30 - 16:55
L. Diatchenko (Canada)

**PHENOTYPING OF PATIENTS WITH MULTIPLE PAIN CONDITIONS** 16:55 - 17:20
D. Yarnitsky (Israel)

**THE ART AND THE SCIENCE OF INTEGRATIVE HEALTH APPROACH TO MANAGEMENT OF COMORBID PAIN CONDITIONS** 17:20 - 17:45
I. Belfer (United States)

**DISCUSSION** 17:45 - 18:00
Scientific Programme

Patient Care
16:30 - 18:00
Room 4F

HOW CAN PATIENTS BE HELPED IN THEIR PATIENT-DOCTOR RELATIONSHIP

Chairs:
N. Betteridge (United Kingdom)

16:30 - 16:55
WHAT COULD BE A PRACTICAL TOOL FOR A PATIENT TO GET THE MOST FROM THEIR CONSULTATION WITH THEIR TREATING DOCTOR
E.F. Mateus (Portugal)

16:55 - 17:20
DIGITAL TECHNOLOGY / E-DIARY / APPS
J. Osterbrink (Austria)

17:20 - 17:45
MEDICATION ADHERENCE IN CHRONIC PAIN PATIENTS
L. Timmerman (Netherlands)

17:45 - 18:00
DISCUSSION

Industry Supported
18:15 - 19:45
Hall 3A

INDUSTRY SUPPORTED SESSION 4

Industry Supported
18:15 - 19:45
Room 2H

INDUSTRY SUPPORTED SESSION 5

Industry Supported
18:15 - 19:45
Room 4F

INDUSTRY SUPPORTED SESSION 6
Scientific Programme

Friday, 06. September 2019

Plenary
08:30 - 09:00  EFIC Hall

TRP CHANNELS IN ACUTE AND PERSISTENT PAIN

Chairs:
F. Cervero

TRP CHANNELS IN ACUTE AND PERSISTENT PAIN  08:30 - 09:00
T. Voets (Belgium)

Plenary
09:00 - 09:30  EFIC Hall

CENTRAL ORIGINS OF PAIN SENSITISATION: TRANSLATIONAL STUDIES

Chairs:
E. Eisenberg (Israel)

CENTRAL ORIGINS OF PAIN SENSITIZATION: TRANSLATIONAL STUDIES  09:00 - 09:30
L. Villanueva (France)

Plenary
09:30 - 10:00  EFIC Hall

BRINGING THE FUTURE TO THE PRESENT - THE EVOLUTION OF DIGITAL HEALTH(CARE) (PAIN)MEDICINE

Chairs:
A. Kopf

BRINGING THE FUTURE TO THE PRESENT - THE EVOLUTION OF DIGITAL HEALTH(CARE) (PAIN)MEDICINE  09:30 - 10:00
L. Engelen (Netherlands)

Workshop: Pharmacological Topics
10:30 - 12:00  EFIC Hall

SUB-TYPE SPECIFIC SODIUM CHANNEL BLOCKERS AS NOVEL ANALGESIC DRUGS - ARE WE NEARLY THERE, YET?

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Chairs:
M. Koltzenburg (United Kingdom)
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**NEUROPHYSIOLOGICAL PROPERTIES OF SODIUM CHANNELS AND THEIR RESPONSE TO ANALGESIC DRUGS**
A. Leffler (Germany) 10:30 - 10:55

**BIOMARKERS FOR STUDYING THE TARGET ENGAGEMENT OF DRUGS ON VGSC IN PERIPHERAL NERVES IN SITU**
M. Koltzenburg (United Kingdom) 10:55 - 11:20

**DRUG DEVELOPMENT OF SUBTYPE SELECTIVE SODIUM CHANNEL BLOCKERS IN PRIMATES**
A. Houghton (United States) 11:20 - 11:45

**DISCUSSION** 11:45 - 12:00

Workshop: Psychology
10:30 - 12:00  Auditorium 1A

**DO THOUGHTS AND FEELINGS REALLY MATTER WHERE SPINAL CORD STIMULATORS ARE CONCERNED?**
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**Chairs:**
S. Pragnell (United Kingdom)

- **“THIS WON’T TURN YOU IN IRON MAN…….”**
  S. Prangnell (United Kingdom) 10:30 - 10:55

- **SOMETIMES NO IS THE BEST ANSWER**
  S. Childs (United Kingdom) 10:55 - 11:20

- **WHY DO WE NEED ANOTHER PMP?!**
  J. O'Sullivan (United Kingdom) 11:20 - 11:45

**DISCUSSION** 11:45 - 12:00

Workshop: General
10:30 - 12:00  Hall 1B

**NEUROIMMUNE ACTIVATION IN CHRONIC MUSCULOSKELETAL PAIN - LESSONS FROM RECENT PET STUDIES AND CSF ANALYSIS IN MULTIPLE PATIENT COHORTS**
154

**Chairs:**
E. Kosek (Sweden)

- **DOES NEUROINFLAMMATION HAVE A ROLE IN HUMAN CHRONIC PAIN?**
  INSIGHTS FROM TSPO PET IMAGING
  M. Loggia (United States) 10:30 - 10:55
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NEUROINFLAMMATION AND PERIPHERY-TO-CNS INFLAMMATORY CROSS-TALK IN PATIENTS WITH RHEUMATOID ARTHRITIS, OSTEARTHRITIS AND CLBP
E. Kosek (Sweden)
10:55 - 11:20

THE ROLE OF GLIA ACTIVATION/NEUROINFLAMMATION IN CENTRAL SENSITISATION IN PATIENTS WITH CHRONIC PAIN
J. Nijs (Belgium)
11:20 - 11:45

DISCUSSION
11:45 - 12:00

Refresher Course: Basic Science
10:30 - 12:00 Hall 3A

NEUROBIOLOGY OF PAIN
Physiotherapist Track

Chairs:
T. Graven-Nielsen (Denmark)

ANATOMY AND PHYSIOLOGY OF THE PAIN SYSTEM
K. Bannister (United Kingdom)
10:30 - 10:55

NEUROPHYSIOLOGICAL BASES FOR THE SOMATOSENSORY, COGNITIVE AND AFFECTIVE DIMENSIONS OF PAIN
A. Mouraux (Belgium)
10:55 - 11:20

SENSITISATION OF PERIPHERAL AND CENTRAL PAIN MECHANISMS
W. Magerl (Germany)
11:20 - 11:45

Q&A
11:45 - 12:00

Workshop: Low Back Pain
10:30 - 12:00 Room 3F

RADICULAR PAIN - AN UPDATE ON CLINICAL PRESENTATION, CLASSIFICATION AND MULTIPROFESSIONAL MANAGEMENT OF A COMPLEX CONDITION

Chairs:
B. Tampin (Australia)

DIFFERING SOMATOSENSORY PROFILES OF PATIENTS WITH RADICULAR PAIN
B. Tampin (Australia)
10:30 - 10:55

PAINFUL RADICULOPATHY: WHY ARE SO MANY CLINICAL TRIALS NEGATIVE?
R. Baron (Germany)
10:55 - 11:20

CLASSIFICATION OF PATIENTS WITH LUMBAR RADICULAR PAIN - RELEVANCE TO PHYSIOTHERAPY INTERVENTIONS
A. Schäfer (Germany)
11:20 - 11:45
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DISCUSSION
11:45 - 12:00

Oral Communications
10:30 - 12:00
Room 2H

LATE BREAKING ORAL COMMUNICATIONS
Chairs:
R. van Boekel (Netherlands)

RELIABILITY AND DETERMINATION OF CUT-OFFS FOR THE DANISH VERSION OF THE TAMPA SCALE OF KINESIOPHOBIA (TSK) IN PATIENTS WITH SEVERE CHRONIC PAIN.
B. Eiger (Denmark)
10:30 - 10:40

THE PAINCHEK (R) STORY: FROM CONCEPT TO AUSTRALIA-WIDE IMPLEMENTATION
K. Hoti (Albania)
10:40 - 10:50

IMPACT OF CHRONIC LOW BACK PAIN FROM PHYSICAL, PSYCHOLOGICAL AND SOCIAL PERSPECTIVES - INITIAL RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS' RESEARCH
B. Fullen (Ireland)
10:50 - 11:00

PATIENTS' PERCEPTIONS AND BELIEFS REGARDING CHRONIC LOW BACK PAIN IN PRIMARY CARE: A QUALITATIVE STUDY IN SPAIN
F. Valenzuela-Pascual (Spain)
11:00 - 11:10

ACUTE AND CHRONIC POSTOPERATIVE PAIN AFTER BREAST CANCER SURGERY: THE UK PREVENTION OF SHOULDER PROBLEMS TRIAL (UK PROSPER)
J. Bruce (United Kingdom)
11:10 - 11:20

THE TIME COMPONENT OF EXPECTATION IN PLACEBO ANALGESIA AND NOCEBO HYPERALGESIA
M. Testa (Italy)
11:20 - 11:30

IDENTIFICATION OF PERIPHERAL NEUROPATHIC PAIN SENSORY PHENOTYPES BASED ON SPECIFIC COMBINATIONS OF SYMPTOMS IDENTIFIED WITH THE NPSI (NEUROPATHIC PAIN SYMPTOM INVENTORY).
D. Bouhassira (France)
11:30 - 11:40

LIFTING WITH A ROUND-BACK IS DANGEROUS! HOW BELIEFS MIGHT AFFECT LUMBAR SPINE MOTION DURING OBJECT LIFTING IN PAIN-FREE INDIVIDUALS
M.L. Meier (Switzerland)
11:40 - 11:50

AN INVESTIGATION INTO THE IDENTIFICATION OF PREDICTORS OF CHRONIC PAIN AFTER WHIPLASH INJURY
A. Carroll (Ireland)
11:50 - 12:00
THE 11th Congress of the European Pain Federation EFIC,
4 - 7 September 2019,
Valencia, Spain

Scientific Programme

Workshop: Basic Science
10:30 - 12:00  Room 4C

THE ADVANTAGES AND DISADVANTAGES OF AN INSTITUTIONAL APPROACH TO PAIN ASSESSMENT. EXPERIENCE FROM CANCER AND PERIOPERATIVE CARE IN THE UK AND EUROPE

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Chairs:
R. Zaslansky (Germany)

- THE ADVANTAGES AND DISADVANTAGES OF AN INSTITUTIONAL APPROACH TO PAIN ASSESSMENT. EXPERIENCE FROM CANCER AND PERIOPERATIVE CARE IN THE UK AND EUROPE  10:30 - 10:55
  M. Fallon (United Kingdom)

- PAIN MANAGEMENT IN PATIENTS AFTER SURGERY USING THE ADAPTED EDINBURGH PAIN ASSESSMENT AND MANAGEMENT TOOL (EPAT)  10:55 - 11:20
  R. Zaslansky (Germany)

- CAN CHILDREN USE ‘WORST PAIN’ CONSISTENTLY AND RELIABLY WHEN EVALUATING THEIR EXPERIENCE OF PAIN  11:20 - 11:45
  A. Avian (Austria)

- DISCUSSION  11:45 - 12:00

Spanish-language Track
10:30 - 12:00  Room 4F

SINDROME CIRUGÍA FALLIDA COLUMNA. LAS TÉCNICAS INTERVENCIONISTAS PUEDEN AYUDARNOS?

Chairs:
C. Tornero (Spain)

- EPIDUROLYSIS. SIGUE SIENDO ÚTIL?  10:30 - 10:55
  A. Mendiola (Spain)

- EPIDUROSCOPIA. VALE LA PENA ARRIESGARNOS?  10:55 - 11:20
  P. López Pais (Spain)

- MEJOR PONER EL ESTIMULADOR MEDULAR CUANTO ANTES?  11:20 - 11:45
  C. Tornero Tornero (Spain)

- DISCUSIÓN  11:45 - 12:00

Industry Supported
12:15 - 13:45  Auditorium 1A

INDUSTRY SUPPORTED SESSION 7
The 11th Congress of the European Pain Federation EFIC,
4 - 7 September 2019,
Valencia, Spain

Scientific Programme

Industry Supported
12:15 - 13:45
Hall 1B

INDUSTRY SUPPORTED SESSION 8

Industry Supported
12:15 - 13:45
Hall 3A

INDUSTRY SUPPORTED SESSION 10

Industry Supported
12:15 - 13:45
Room 3F

INDUSTRY SUPPORTED SESSION 9

Spanish-language Track
12:15 - 13:45
Room 4F

SPANISH SOCIETY MEETING

Poster Session
12:30 - 13:30
Poster Area

BASICS IN PAIN WALK 3

Chairs:
T. Toelle (Germany)

CHEMOGENETIC APPROACH IN TREATMENT OF TRIGEMINAL PAIN
O. Korczeniewska (United States)

NON-HISTAMINERGIC ICTH IS ACCOMPANIED BY THERMAL AND MECHANICAL HYPERALGESIA: THE ROLE OF TRPA1 CHANNEL
M. Tsagareli (Georgia)

MODULATING CORTICAL RESPONSE TO PAIN BY RESPIRATORY SINUS ARRHYTHMIA BIOFEEDBACK
C. Perchet (France)

SLEEP QUALITY AND OPIOID CRAVING AMONG PATIENTS WITH CHRONIC PAIN AND PRESCRIBED OPIOID THERAPY: EXPLORATION OF POTENTIAL MEDIATORS
A. Herrero Babiloni (Canada)

MODULATION OF PAIN PROCESSING DURING MOVEMENT PREPARATION AND EXECUTION
E. Pinto (Belgium)

RESPONSES TO UNCERTAINTY IN THE FACE OF PAIN: ON THE RELATIONSHIPS BETWEEN PAIN CATASTROPHIZING, INTOLERANCE OF UNCERTAINTY AND DECISION MAKING
M. Schrooten (Sweden)
LONGITUDINAL ASSOCIATION BETWEEN HABITUAL PHYSICAL ACTIVITY AND PAIN TOLERANCE IN A POPULATION-BASED COHORT - THE TROMSØ STUDY 2007-2015
A. Årnes (Norway)

IS SLEEP PREDICTING CHRONIC PAIN IN A COHORT OF YOUNG ADULTS?
A. Grimby-Ekman (Sweden)

Poster Session
12:30 - 13:30
Poster Area

DIAGNOSIS AND MEASUREMENT IN PAIN WALK 3

Chairs:
D. Bouhassira (France)

DISTINCT CLUSTERS OF PAIN DISTRIBUTION PATTERNS IN FOOTBALL PLAYERS WITH HIP-RELATED PAIN
S.A. Boudreau (Denmark)

QUALITY OF CHRONIC NON-CANCER PAIN MEASUREMENT INSTRUMENTS. SYSTEMATIC REVIEW
C.-M. Rocio (Spain)

DEVELOPMENT AND VALIDATION OF CHILD-ADAPTED SCALES TO ASSESS FEAR AND AVOIDANCE IN CHILDREN WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS
M. Lalouni (Sweden)

SUB-GROUPING HEALTHY SUBJECTS´ SENSITIVITY TO PAIN AND ITS RELATIONSHIP TO PERSONALITY TRAITS
H. Grouper (Israel)

ASSESSING PAIN-RELATED SELF-EFFICACY AFTER SURGERY AS A PATIENT-RELATED OUTCOME MEASURE - A SYSTEMATIC LITERATURE REVIEW
U. Kaiser (Germany)

PHYSIOLOGICAL STRESS RESPONSES TO FEAR LEARNING IN YOUTH WITH CHRONIC PAIN: SALIVARY CORTISOL ASSESSMENT
I. Timmers (United States)

THE EFFECT OF PSYCHOLOGICAL STRESS ON PAIN SENSITIVITY IN HEALTHY PEOPLE
M.G.C.A.M. Mertens (Belgium)

NEURAL NETWORK CHANGES IN FIBROMYALGIA - INSULA INVESTIGATED
H. van Ettinger-Veenstra (Sweden)

UNIQUE ELECTRICAL STIMULATION FOR ACUTE PAIN STUDIES COMPATIBLE WITH MAGNETOENCEPHALOGRAPHY
I.M. Tarkka (Finland)

MORPHOLOGICAL BRAIN ALTERATIONS IN SUBGROUPS OF FIBROMYALGIA PATIENTS
H.-C. Aster (Germany)
Scientific Programme

Poster Session
12:30 - 13:30
Poster Area

PAIN SYNDROMES WALK 9

Chairs:
W. Meissner (Germany)

PAIN COPING AND FUNCTION IN CHILDREN WITH PAIN
E. Solé (Spain)

ALTERED PREFRONTAL CONNECTIVITY DURING RESTING STATE IS LINKED TO AGE-RELATED CHANGES IN PAIN PERCEPTION
A.M. González-Roldán (Spain)

THE DESTRUCTION OF DISTRACTION? NEURAL MECHANISMS OF REduced TASK-RELATED ANALGESIA WITH AGING
K. Rischer (Luxembourg)

REDUCED INCIDENT MUSCULOSKELETAL CONSULTATION FOR PATIENTS WITH DEMENTIA: A RETROSPECTIVE COHORT STUDY OF THE UK CLINICAL PRACTICE RESEARCH DATALINK (CPRD)
L. Bullock (United Kingdom)

THE ANNUAL PREVALENCE OF MUSCULOSKELETAL CONSULTATION AFTER DIAGNOSIS OF DEMENTIA: A RETROSPECTIVE COHORT STUDY OF THE UK CLINICAL PRACTICE RESEARCH DATALINK (CPRD)
L. Bullock (United Kingdom)

DISCOVERY OF NOVEL AND CONSERVED NOCICEPTIVE PATHWAYS IN CONGENITAL INSENSITIVITY TO PAIN
T. Kokotovic (Austria)

INTERDISCIPLINARY APPROACH FOR THE EVALUATION AND PREVENTION OF CHRONIC POSTOPERATIVE PAIN
M. Kachanovskiy (Russian Federation)

Poster Session
12:30 - 13:30
Poster Area

PAIN SYNDROMES WALK 11

Chairs:
C. Wells

MICROCIRCULATION IN SKIN AND MUSCLE DURING VENOUS STASIS, ARTERIAL ISCHEMIA AND ORTHOSTATIC CHALLENGE IN PATIENTS WITH FIBROMYALGIA AND HEALTHY CONTROLS
S. Rehm (Germany)

DISCORDANCE BETWEEN PATIENT´S AND PHYSICIAN´S GLOBAL ASSESSMENT IN RHEUMATOID ARTHRITIS
D. Santos-Faria (Portugal)

THERAPEUTIC EFFECT OF LOW-INTENSITY PULSED ULTRASOUND PHONOPHORESIS WITH DICLOFENAC IN THE ACUTE PHASE OF CARRAGEENAN-INDUCED ARTHRITIS IN RATS
R. Sasaki (Japan)
Scientific Programme

MULTIPLEX MARKERS EVALUATION OF SERUM INFLAMMATORY CYTOKINES IN KNEE OSTEOARTHRITIC PATIENTS
R. Giordano (Denmark)

PAIN AND QUALITY OF LIFE IN OSTEOARTHRITIS: RELATIONSHIP WITH DEMOGRAPHIC AND CLINICAL VARIABLES
A.A. Küçükdeveci (Turkey)

CONDITIONED PAIN MODULATION AND OFFSET ANALGESIA AS POSSIBLE PREDICTORS FOR NSAID TREATMENT RESPONSE IN PATIENTS WITH KNEE OSTEOARTHRITIS
K. Kjær Petersen (Denmark)

PROFILE OF PAIN AND PHYSICAL FUNCTION IN PATIENTS WITH CHRONIC PAIN FOLLOWING KNEE OSTEOARTHRITIS AND TOTAL KNEE ARTHROPLASTY
J.B. Larsen (Denmark)

NEUROPATHIC PAIN COMPONENT IN PATIENTS WITH CHRONIC OSTEOARTHRITIS OF THE KNEE
D. Bibra (India)

VISUAL CORTICAL EXCITABILITY IN FIBROMYALGIC PATIENTS: A STUDY WITH SOUND INDUCED FLASH ILLUSION
G. Damerino (Italy)

Poster Session
12:30 - 13:30
Poster Area

PAIN SYNDROMES WALK 10

Chairs:
J. Van Zundert (Belgium)

POSTOPERATIVE ANALGESIA FOLLOWING SHOULDER ARTHROPLASTY: ROLE OF SUFENTANIL SUBLINGUAL TABLET SYSTEM
F. Coluzzi (Italy)

ASSESSING PAIN INTENSITY FOR EVALUATION OF ACUTE POSTOPERATIVE PAIN MANAGEMENT - A SYSTEMATIC LITERATURE REVIEW
T.V. Maeßen (Germany)

PAIN AS A FACTOR DETERMINING SLEEP IN ICU IN A HOSPITAL IN NORTHERN POLAND

VERY-EARLY ACUTE PRO-NOCICEPTIVE PAIN MODULATION PREDICTS CHRONIC AREA-OF-INJURY PAIN IN MTBI PATIENTS SIX-MONTH POST INJURY
R.M. Cohen (Israel)

KINESIOPHOBIA CONTRIBUTES TO PAIN-RELATED DISABILITY IN BREAST CANCER SURVIVORS: A CROSS-SECTIONAL STUDY
E. Van der Gucht (Belgium)

NOT JUST CUTTING IT - A NEW FRONTIER IN THE MANAGEMENT OF INTRACTABLE CANCER PAIN
U. Hochberg (Israel)
Scientific Programme

FUSION PROTEINS OF ANTI-INFLAMMATORY CYTOKINES TO TREAT CHEMOTHERAPY-INDUCED NEUROPATHY
N. Eijkelkamp (Netherlands)

SEROTONIN RECEPTOR 2A (5-HT2A) POLYMORPHISMS ARE ASSOCIATED WITH PINPRICK HYPERALGESIA IN NEUROPATHIC PAIN PATIENTS
J. Sachau (Germany)

Poster Session
12:30 - 13:30

PAIN SYNDROMES WALK 12

Chairs:
E. Eisenberg (Israel)

AQUAPORIN1 CONTRIBUTES TO THE PERCEPTION OF ACUTE MECHANICAL PAIN VIA THE REGULATION OF AN UNKNOWN MECHANOTRANSDUCER
A.M. Fuller (United Kingdom)

BIOMARKERS OF CHRONIC PAIN: LEVELS OF PROINFLAMMATORY BIOMARKERS IN THE CEREBRAL SPINAL FLUID AND QUANTITATIVE SENSORY TESTS IN PATIENTS WITH FIBROMYALGIA AND HEALTHY VOLUNTEERS
M. Blichfeldt-Eckhardt (Denmark)

EVALUATION OF PAIN ASSESSMENT, REASSESSMENT AND PHARMACOLOGICAL TREATMENT IN HOSPITALIZED CHILDREN THROUGH AN ELECTRONIC HEALTH RECORD LINKING CARE ACTIVITIES WITH MEDICATION ORDERING AND ADMINISTRATION
K. Vanhonsebrouck (Belgium)

PAIN IN CHILDREN AND ADOLESCENTS WITH CEREBRAL PALSY
A. Burman Rimstedt (Sweden)

BIOPSYCHOSOCIAL MODEL FOR A MULTIDISCIPLINARY PERIOPERATIVE CARE PATHWAY IN PATIENTS UNDERGOING POSTERIOR SPINAL FUSION SURGERY FOR ADOLESCENT IDIOPATHIC SCOLIOSIS
C. Spaas (Belgium)

CHANGES IN PAIN SENSITIVITY AND CONDITIONED PAIN MODULATION DURING RECOVERY FROM ACUTE WHIPLASH ASSOCIATED DISORDERS - PRELIMINARY RESULTS
P. Bellosta-López (Spain)

Poster Session
12:30 - 13:30

PAIN THERAPIES WALK 5

Chairs:
K. Meier

MAINTENANCE OF QUALITY OF LIFE IMPROVEMENT FOR PATIENTS WITH CHRONIC PAIN AND OBESITY AFTER MULTIMODAL PAIN REHABILITATION
H.-J. Dong (Sweden)
Scientific Programme

CLINICAL PAIN RELIEF AFTER REAL AND SHAM MOTOR CORTEX REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IS PREDICTED BY DISSOCIABLE RESTING-STATE FUNCTIONAL CONNECTIVITY PATTERNS
I. Weissman-Fogel (Israel)

DESYNCHRONISATION OF ALPHA BAND OSCILLATIONS DURING PARASTHESIA-FREE SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN
D. Hewitt (United Kingdom)

PATIENTS’ NEEDS AND EXPERIENCES WHEN ACCESSING PHYSIOTHERAPY BECAUSE THEY ARE IN PAIN - A META-ETHNOGRAPHY TO INFORM PAIN EDUCATION AND TRAINING
K. Thompson (United Kingdom)

DOUBLE DISSOCIATION OF ENDOGENOUS PAIN INHIBITION DUE TO CONDITIONED PAIN MODULATION AND PLACEBO IN HUMANS
M. Geisler (Germany)

THE EFFECT OF VIRTUAL REALITY ON EVOKED POTENTIALS AND PAIN SCORES
E.J. Lier (Netherlands)

Poster Session
12:30 - 13:30

PAIN THERAPIES WALK 6

Chairs:
N.B. Finnerup (Denmark)

CURRENT TREATMENT PATTERNS AMONG EUROPEAN PATIENTS WITH OSTEOARTHRITIS: ANALYSIS OF A REAL-WORLD DATASET
L. Abraham (United Kingdom)

ANTINOCICEPTIVE PROFILE OF A NOVEL G PROTEIN-BIASED OPIOID, PZM21 AND ITS EFFECTS ON ADDICTION-LIKE BEHAVIOR IN RODENTS
R. Przewlocki (Poland)

AN ASSOCIATION BETWEEN OPIOID-RELATED MORTALITY AND OPIOID DAILY DOSE IN THE UNITED KINGDOM GENERAL PRACTICES
T.-C. Chen (United Kingdom)

REAL-WORLD SAFETY OF TAPENTADOL: ANALYSIS OF DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)
M. Überall (Germany)

RIFAMPIN REDUCES THE CONCENTRATIONS OF ORAL AND INTRAVENOUS HYDROMORPHONE IN HEALTHY VOLUNTEERS
T.J. Lohela (Finland)

INHIBITION OF TLR4/MYD88/TAK1/NF-κB/COX-2 PATHWAY ACTIVATION CONTRIBUTES TO PROTECTIVE EFFECT OF BEXAROTENE, A RXRα AGONIST, AGAINST LIPOPOLYSACCHARIDE-INDUCED INFLAMMATORY HYPERALGESIA
S.P. Senol (Turkey)
Scientific Programme

PATTERNS OF NEUROPATHIC PAIN MEDICATION PRESCRIBING FOR PATIENTS BEFORE REFERRAL TO A UNIVERSITY HOSPITAL SECONDARY CARE PAIN MEDICINE SERVICE IN LIVERPOOL, UK
H.K. Tsang (United Kingdom)

LATE BREAKING DIAGNOSIS AND THERAPY GUIDED POSTER WALK

PLACEBO ANALGESIA IN VIRTUAL AND AUGMENTED REALITY
J. Ho (Switzerland)

PREDICTIVE VALIDITY OF CONDITIONED PAIN MODULATION (CPM) AS A BIOMARKER OF CHRONIC PAIN: A SYSTEMATIC QUALITATIVE REVIEW
M.T. Carrillo-de-la-Peña (Spain)

EHEALTH BASED TREATMENT WITH A MULTIDISCIPLINARY MEDICAL APP VERSUS STANDARD OF CARE IN LOW BACK PAIN: FIRST DATA OF THE RISE-UP PROJECT IN GERMANY
J.A. Priebe (Germany)

VOLUNTARY FORELIMBS EXERCISE REDUCES IMMOBILIZATION-INDUCED MECHANICAL HYPERALGESIA IN THE RAT HIND PAW
K. Ishikawa (Japan)

EFFECTS OF VIRTUAL REALITY THERAPY ON UPPER EXTREMITY PAIN AND FUNCTIONALITY AFTER BREAST CANCER SURGERY
Ö. Öztürk (Turkey)

HOW CONTINUOUS PAIN IS TRANSFORMED INTO A SINGLE RATING
N. Hipp (Germany)

HERBAL MEDICINE IN PEDIATRIC ONCOLOGY
P. Abreu (Portugal)

INTRAOPERATIVE PARESTHESIA-MAPPING IS NOT REQUIRED FOR LEAD PLACEMENTS INVOLVING BURSTDR STIMULATION: RESULTS OF THE PROSPECTIVE, MULTICENTER, RANDOMIZED, DOUBLE-BLINDED CRISP STUDY

IS IT A PAINFUL ERROR? THE EFFECT OF UNPREDICTABLE AND PREDICTABLE PAIN ON THE ERROR-RELATED NEGATIVITY
D.M. Torta (Belgium)

INVESTIGATING THE INTERPLAY BETWEEN ERROR-PROCESSING AND CENTRAL SENSITIZATION
D.M. Torta (Belgium)
LONG-TERM EFFECTS OF MULTIMODAL REHABILITATION IN PRIMARY CARE FOR PATIENTS WITH CHRONIC PAIN
E. Pietilä Holmner (Sweden)

IMPACT OF HIGH FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ ON BLADDER SYMPTOMATOLOGY: AN OBSERVATIONAL CASE SERIES
M. Sidery (United Kingdom)

THE OSLO UNIVERSITY HOSPITAL PAIN REGISTRY: A DIGITAL REGISTRY WITH BASELINE DATA FROM 1,712 CHRONIC PAIN PATIENTS
L.-P. Granan (Norway)

ADMINISTRATION OF LOCAL ANALGESIC (ROPIVACAINE) WITH DEXAMETHASONE ON THORACOLUMBAR FASCIA REDUCES SERUM LEVEL OF CHEMOKINE EXPRESSION IN OPERATIVE INCISION AFTER EXPERIMENTAL MODEL LAPARATOMY
B. Zaletskyi (Ukraine)

THE IMPACT OF PAIN ON MALTESE CITIZENS: A CROSS SECTIONAL STUDY
M. Grixti (Malta)

FACTORS ASSOCIATED TO A PERCEPTION OF DEPENDENCE ON OPIOID ANALGESICS FOR PSYCHOACTIVE EFFECTS ACCORDING TO NON-CANCER CHRONIC PAIN PATIENTS AND PAIN SPECIALISTS
N. Cantagrel (France)

ONE NIGHT OF TOTAL SLEEP DEPRIVATION AFFECTS CENTRAL AND PERIPHERAL PAIN PATHWAYS IN HEALTHY PARTICIPANTS
D. Boye Larsen (Denmark)

A NOVEL APPROACH TO COUNTERBALANCE PAIN-INDUCED REDUCTION IN CORTICOMOTOR EXCITABILITY
D.B. Larsen (Denmark)

THE ANALGESIC EFFECT OF VIRTUAL REALITY IN PEDIATRIC PROCEDURAL PAIN: A SYSTEMATIC REVIEW
K. Vanhonsebrouck (Belgium)

TRANSLATION AND VALIDATION OF THE PARENT FEAR OF PAIN QUESTIONNAIRE FOR A FRENCH SPEAKING POPULATION
A. Riggenbach (Switzerland)

SUPERIOR GLENOHUMERAL SUBLUXATION IN PAINFUL AND MAJOR ROTATOR CUFF PATHOLOGY
H. Razmjou (Canada)

IDENTIFYING REHABILITATION NEEDS OF WOMEN FROM THE MIDDLE EAST WITH CHRONIC PAIN - A CHALLENGING EYE-OPENER
V. Zander (Sweden)

THE VITA-OK PROTOCOL FOR CHRONIC GYNECOLOGICAL PAIN: TOLL-LIKE RECEPTOR TARGETED TREATMENT IN VULVODYNIA
S. Di Franco (Italy)

EFFECT OF SINGLE-DOSE DEXAMETHASONE ON ACUTE POSTOPERATIVE PAIN AFTER MAJOR SURGERY
S. Hariharan (Trinidad and Tobago)
FACTORS RELATED TO AMOUNT OF ANALGESIC REQUIREMENT IN POST-ANESTHESIA CARE UNIT (PACU): A PROSPECTIVE STUDY
S. Nimmaanrat (Thailand)

INTRAVENOUS OXYCODONE IN PROCEDURAL PAIN
A. Leva (Italy)

SUPERIORITY OF TRAMADOL/DEXKETOPROFEN ANALGESIA VERSUS TRAMADOL/PARACETAMOL IS MAINTAINED IN PATIENTS WITH SEVERE ACUTE PAIN
B. Pizà Vallespir (Spain)

PERIOPERATIVELY USE OF KETAMINE IN OPIOID DEPENDENT PATIENTS UNDERGOING SPINAL SURGERY: VAS RECORDS AND USE OF MORPHINE RESCUES
U. Rodriguez Rivas (Spain)

PAIN SENSITIVITY MEDIATES THE LINK BETWEEN CATASTROPHIZING AND MILD TRAUMATIC BRAIN INJURY HEAD PAIN FOLLOWING MOTOR VEHICLE COLLISION
M. Granot (Israel)

SUBLINGUAL SUFENTANIL IN ZALVISO SYSTEM FOR KNEE ARTHROPLASTY IN OUR EXPERIENCE. PRELIMINARY RESULTS
C. Congo Silva (Spain)

INFLUENCE OF ESMOLOL ON POSTOPERATIVE PAIN IN PATIENTS UNDERGOING LUMBAR SURGERY
Y.J. Jeon (Korea, Republic of)

IMPACT OF INSOMNIA ON ACUTE POSTSURGICAL PAIN: A CASE-CONTROL STUDY
S. Baltali (Turkey)

POSTOPERATIVE PAIN RESULTS BETWEEN DIFFERENTS TYPES OF ANAESTHESIA. PAINOUT STUDY
M.T. Santeularia Verges (Spain)

THE PATIENT JOURNEY IN PERIPHERAL NEUROPATHIC PAIN (PNP): REVEALING GAPS BETWEEN GUIDELINES AND REAL-WORLD PRACTICE
Ö. Sancak (Germany)

SEVEN MONTH-LONG EPIDURAL ADMINISTRATION OF ANALGESICS INTENDED FOR METASTATIC BONE PAIN TREATMENT - A CASE REPORT
I. Ivanovski (Croatia)

MODULATION OF CENTRAL NEUROPATHIC PAIN DEVELOPMENT BY REPEATED MULTIPOLYPHENOLIC EXTRACT TREATMENT DURING THE INJURY ACUTE-PHASE IN SPINAL CORD-INJURED MICE
A. Bagó-Mas (Spain)

PREVALENCE OF CENTRAL AND PERIPHERAL NEUROPATHIC PAIN AND IMPACT OF DEPRESSION, ANXIETY AND SLEEP DISORDERS ON THE INTENSITY OF PAIN AND QUALITY OF LIFE
I. Failde (Spain)

LONG-TERM DEEP-TMS DOES NOT NEGATIVELY AFFECT COGNITIVE FUNCTIONS IN STROKE AND SPINAL CORD INJURY PATIENTS WITH CENTRAL NEUROPATHIC PAIN
D. Ciampi de Andrade (Brazil)
Scientific Programme

ANTI-Glutamate Mechanism of Analgesic Action of Antidepressants Amitriptyline and Desipramine
N. Shestakova (Russian Federation)

Cervical Physical Dysfunction in Patients with Chronic Primary Headache. Systematic Review and Meta-Analysis
N. Elizagaray (Spain)

Central Sensitization, Wadell’s Non-Organic Signs, and Lifting Capacity in Patients with Chronic Low Back Pain
J. Ansuategui Echeita (Netherlands)

Impact of Social and Psychological Factors on Persons with Acute and Chronic Low Back Pain
M. Sangheli (Moldova, Republic of)

Temporal Summation and Pain Catastrophizing is Associated with Pain after 12 Weeks: A Prospective Cohort Study of Patients with Low Back Pain in General Practice
K. Petersen (Denmark)

The Interaction Between Pain and Sleep in People with Chronic Spinal Pain and Comorbid Insomnia: A Systematic Review
E. Van Looveren (Belgium)

Methodology to Assess Impact and Burden of Chronic Low Back Pain on Patients’ Physical and Emotional Health-Global Survey of >9,000 Patients Across 16 Countries
B. Morlion (Belgium)

Retrospective Observational Study to Evaluate the Efficacy of Radiofrequency in the Treatment of Chronic Pharmacoresistant Low Back Pain
A. Corrente (Italy)

Effect of Combining Pulsed Radiofrequency Treatment to Dorsal Root Ganglion with Transforaminal Epidural Steroid Injection in Chronic Lumbar Radicular Pain
A. Gurbet (Turkey)

A Novel Combination Epiduroscopic Laser Neural Decompression and Percutaneous Laser Disc Decompression with Ho:Yag Laser: A Novel Treatment Method for MSU 3AB-Classified Herniated Discs
A.M. Ülgen (Turkey)

Chronic Stress Increases the Risk of Developing Temporomandibular Joint Pain in Rats of Both Sexes
F.B. Zanelatto (Brazil)

Altered Pain Modulation to Noxious Heat Thermal Stimuli in Burning Mouth Syndrome
N. Noma (Japan)

Pain Assessment on the Tongue of Rat by the Observation of Spontaneous Behavior and Responses to Mechanical Stimulation
K. Matsumoto (Japan)

Pain and Fatigue in Early Rheumatoid Arthritis - A Cross-Sectional Study
O.S. Ifesemen (United Kingdom)
INTRA-ARTICULAR GOLD MICRO PARTICLES AND HYALURONIC ACID IMPROVE OSTEOARTHRITIC PAIN AND SOCIAL FUNCTION. A PILOT STUDY  
S. Rasmussen (Denmark)

EFFECTS OF MUSCLE CONTRACTION EXERCISE ON PAIN RELIEF, SYNOVITIS AND SPINAL SENSITIZATION IN RAT OSTEOARTHRITIS MODEL  
J. Sakamoto (Japan)

PRE-TREATMENT EXERCISE-INDUCED HYPALGESIA IS ASSOCIATED WITH PAIN AFTER STANDARDIZED EXERCISE THERAPY IN PAINFUL KNEE OSTEOARTHRITIS PATIENTS - AN EXPLORATIVE STUDY  
S. Hansen (Denmark)

LIPID PROFILE IN RHEUMATOID ARTHRITIS PATIENTS AND ITS RELATION TO DISEASE ACTIVITY  
P. Gupta (India)

ELECTRODIAGNOSTIC TEST IS SIGNIFICANTLY CORRELATED WITH STRENGTH AND PERFORMANCE IN HAND OSTEOARTHRITIS  
E.Y. Han (Korea, Republic of)

THE EFFECT OF ADDING DEXAMETHASONE TO BUPIVACAINE ON THE DURATION OF POSTOPERATIVE ANALGESIA AFTER ULTRASOUND-GUIDED QUADRATUS LUMBORUM BLOCKS ANALGESIA IN CHILDREN AFTER ABDOMINAL OPERATION  
D. Dmytriiev (Ukraine)

DIFFERENCES IN SENSORIMOTOR CONTROL AND UPPER CERVICAL MOBILITY BETWEEN PATIENTS WITH NECK PAIN WITH AND WITHOUT ALTERED JOINT POSITION SENSE: A CROSS-SECTIONAL STUDY  
C. Murillo (Belgium)

COMPARISON OF SCAPULAR POSITION, DEEP NECK FLEXOR MUSCLE ENDURANCE AND UPPER LIMB STABILITY IN YOUNG FEMALE STUDENTS WITH AND WITHOUT NECK PAIN  
F. Yarar (Turkey)

CHANGE IN SEVERITY OF PAIN AFTER EPIDUROLYSIS TREATMENT  
J. Kogler (Croatia)

ANALGESIC EFFECT OF THE TRAZODONE-GABAPENTIN COMBINATION IN THE CHRONIC CONSTRUCTION INJURY RAT MODEL  
B. Garrone (Italy)

THE INVOLVEMENT OF P2X4 AND P2X7 PURINERGIC RECEPTORS OF DORSAL ROOT GANGLIA ON PACLITAXEL-INDUCED NEUROPATHIC PAIN  
S.F. Magalhães (Brazil)

DORSAL ROOT GANGLION RADIOFREQUENCY THROUGH INTRACANAL APPROACH FOR TREATMENT OF REFRACTORY THORACIC POSTHERPETIC NEURALGIA  
J.J. Amate Pena (Spain)

HEPATIC INJURY AGGRAVATES OXALIPLATIN-INDUCED PERIPHERAL NEUROPATHY IN MICE: POSSIBLE INVOLVEMENT OF HMGB1  
R. Domoto (Japan)

EFFECTS OF TREATMENT WITH HYDROGEN SULFIDE-RELEASING MOLECULES ON THE NOCICEPTIVE AND DEPRESSIVE-LIKE RESPONSES ACCOMPANYING PERSISTENT NEUROPATHIC PAIN IN MICE  
O. Pol (Spain)
Scientific Programme

VISCERAL PAIN ASSOCIATES WITH CINGULATE GLUTAMATE LEVEL IN CHRONIC PANCREATITIS PATIENTS
J.A. Muthulingam (Denmark)

EFFECTS OF GENDER IN TWO MODELS OF VISCERAL PAIN INDUCED BY COLORECTAL DISTENSION (CRD) IN THE RAT
C. Le Cudennec (France)

DO FIBROMYALGIA SYNDROME (FMS) PATIENTS NEED A DIAGNOSIS-SPECIFIC PAIN MANAGEMENT PROGRAMME (PMP)?
S. Bhat (United Kingdom)

DECREASED FORCED EXPIRATION AND THORACIC MOBILITY IN PEOPLE WITH FIBROMYALGIA
K. Jonsson (Sweden)

REHABILITATION WITH CULTURAL ACTIVITIES FOR PATIENTS WITH CHRONIC PAIN NEEDING A LANGUAGE INTERPRETER, CO-OPERATION PROJECT BETWEEN A REHABILITATION CLINIC AND THE COUNTY CULTURE ADMINISTRATION
M. Löfgren (Sweden)

EXPERIENCES OF STAY AT PATIENT HOTEL DURING PARTICIPATION IN A MULTIMODAL PAIN REHABILITATION PROGRAMME IN NORTHERN SWEDEN - A QUALITATIVE STUDY
L. Spinord (Sweden)

OXIDATION GATES THE HIGH-THRESHOLD HEAT-SENSITIVE ION CHANNEL TRPV2
T. Fricke (Germany)

ALPHA BAND POWER FOCAL CHANGES DURING THE SHORT-TERM MEMORISATION OF PAIN: A HIGH-DENSITY EEG STUDY WITH SOURCE LOCALISATION
A. Caldichoury (France)

TEMPERATURE EFFECTS ON ACTIVITY OF PRIMARY NOCICEPTOR NEURONS UNDER INFLAMMATORY CONDITIONS
S. Korogod (Ukraine)

BILATERAL SENSORY DEFICITS AND WIDESPREAD HYPERALGESIA FOLLOWING DELAYED ONSET MUSCLE SORENESS OF THE QUADRICEPS
C. Courtney (United States)

PRESYNAPTIC FEEDBACK SYSTEM OF OXYTOCIN-ERGIC NEURONS IN THE HYPOTHALAMUS OF ADJUVANT ARTHRITIC RATS
T. Matsuura (Japan)

ASSOCIATIONS BETWEEN SELECTED GENETIC VARIANTS AND EXPERIMENTAL PAIN SENSITIVITY AND PAIN MODULATION
M.U. Lie (Norway)

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K.S. Frahm (Denmark)

EVALUATION OF THE ANALGESIC ACTION OF THE COMBINATION CYCLOBENZAPRINE HYDROCHLORIDE, LIDOCAINE AND PIROXICAM IN MICE USING THE HOT PLATE TEST
R.-N. Rusu (Romania)
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**Activation of Glial Cells and Upregulation of CX3CL1/CX3CR1 in the Anterior Cingulate Cortex of Chronic Neuropathic Pain Model Induced by the Spinal Cord Injury**
P. Dubový (Czech Republic)

**Spinal TRPM3 Is Involved in Mediating the Hypersensitivity Effect Induced by Sphingolipids in the Rat**
H. Wei (Finland)

**Endogenous Descending Inhibition in Effects of Intramuscular Heating-Needle Stimulation in Freund’s Adjuvant-Induced Muscle Nociception in Rats**
J. Lei (China)

**Blockade of Neuronal Mincle-Syk Signaling in Spinal Cord Attenuates Mechanical Allodynia in Peripheral Nerve Injury-Induced Pain of Rat**
J. Choi (Korea, Republic of)

**A Proteomic Investigation of Synovial Fluid in Patients with Knee Osteoarthritis Treated with Intra-Articular Metallic Gold Micro Particles**
S. Rasmussen (Denmark)

**A Case-Control Study of Inflammation in Fibromyalgia: Looking for Cofactors Beyond Fibromyalgia Diagnosis**
L. Andrés-Rodríguez (Spain)

**Mobile Applications for the Management of Pediatric Pain: What Quality Criteria?**
P. Llorens-Vernet (Spain)

**Predicting Acute Pain Trajectories After Joint Arthroplasty: The Role of Pre-Surgical and Post-Surgical Biopsychosocial Factors**
E.M. Giusti (Italy)

**Attributable Costs of Pain in Spain**
M. Alonso-García (Spain)

**The Burden of Chronic Pain Patients**
T.P.M. Lindfors (Finland)

**Societal Impact of Pain (SIP) - Experiences from a SIP National Platform (NP) in Portugal**
A.M. Pedro (Portugal)

**Expanded Pressure-Induced Referred Pain After a Recovered Distal Radius Fracture**
V. Doménech (Spain)

**A Cumulative Impact of Psychological and Sensitization Risk Factors on Pain-Related Outcomes**
Z. Uddin (Canada)

**Characterisation of Constipation Associated with Prescribed Opioid Exposure in the United Kingdom**
P. Conway (United Kingdom)

**Prevalence of Chronic Pain in Israel - An Internet-Based Survey**
H. Sharon (Israel)
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E. Tan Sein Jieh (Singapore)

CREATING A REGISTRY OF PAIN REGISTRIES
E. Whitaker (United Kingdom)

INHIBITION OF SOLUBLE EPOXIDE HYDROLASE PREVENTS LIPOPOLYSACCHARIDE-INDUCED INFLAMMATORY HYPERALGESIA IN MICE: CONTRIBUTION OF NLRC4 INFLAMMASOME, NLRC3, NOX, INOS, AND NNOS

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H. Jacobsen (Norway)

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S. Kang (Belgium)

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M. Schrooten (Sweden)

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J. Pickering (United Kingdom)

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W. Adamczyk (Poland)

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S. Lithfous (France)

ABBEE PAIN SCALE FOR ASSESSMENT OF HIP FRACTURE - RELATED PAIN IN PATIENTS WITH DIFFICULT COMMUNICATION
S. Bareta (Croatia)

THE IMPROVED LASER-EVOKED POTENTIALS HABITUATION PARADIGM
A.C. Muntean (Germany)
DIFFERENCE IN PAIN SCORE BETWEEN HEALTH PROFESSIONAL AND PATIENT ASSESSED PAIN
P. Skrejborg (Denmark)

MEASUREMENT PROPERTIES OF THE ARABIC LEEDS ASSESSMENT OF NEUROPATHIC SYMPTOMS AND SIGNS (A-LANSS) PAIN SCALE: A SECONDARY ANALYSIS
S. Garoushi (United Kingdom)

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R. Treister (Israel)

ON THE VALIDITY OF COMMONLY USED PAIN INTENSITY SCALES: WHAT DO THEY ASSESS IN ADDITION TO THE INTENSITY OF PAIN?
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T.M. Ljosaa (Norway)

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H.W. Walravens (Netherlands)

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L. Guimarães (Portugal)

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A. Courtin (Belgium)

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M. Mohammadi (Germany)

LAUGHING AWAY THE PAIN: A NARRATIVE REVIEW OF HUMOR, SENSE OF HUMOR, AND PAIN
A. Perez-Aranda (Spain)

ULTRASOUND-GUIDED PULSED RADIOFREQUENCY OF SAPPHENOUS NERVE: PRELIMINARY DATA OF EFFICACY AND SAFETY ON KNEE OSTEOARTHRITIS CHRONIC PAIN
S. Natoli (Italy)

ERECTOR SPINAE PLANE BLOCK IN THE MANAGEMENT OF POSTHERPETIC NEURALGIA
K.A. Kim (Korea, Republic of)

NEUROLOGICAL INJURY AFTER TRANSFORAMINAL EPIDURAL STEROID INJECTION IN A PATIENT WITH PROGRESSIVE NEUROLOGICAL SIGNS: A CASE REPORT
L. Hendrix (Belgium)

COMPARISON OF 4 MG DEXAMETHASONE VERSUS 8 MG DEXAMETHASONE AS AN ADJUVANT TO LEVOBUPIVACAINE IN FASCIA ILIACA BLOCK- A PROSPECTIVE STUDY
B. Sriramka (India)

COMPARISON OF THE INCIDENCE OF INTRAVASCULAR INJECTION DURING CAUDAL EPIDURAL INJECTIONS BETWEEN WHITACRE AND CHIBA TYPE NEEDLES
Y. Jeon (Korea, Republic of)
A COST-UTILITY ANALYSIS OF MULTIMODAL PAIN REHABILITATION IN PRIMARY HEALTHCARE
K. Eklund (Sweden)

EFFECTS OF A BRAZILIAN BACK SCHOOL PROGRAM ON DISABILITY, PAIN, FEAR-AVOIDANCE AND RESILIENCE

EFFECTIVENESS AND SAFETY OF SPINAL CORD STIMULATION IN PATIENTS WITH SEVERE RAYNAUD’S SYNDROME DURING PREGNANCY - CASE REPORTS
M. Lopes (Portugal)

CAN PULSED RADIOFREQUENCY OF THE OCCIPITAL NERVES CAUSE SEDATION? A NEW PERSPECTIVE OF A CLASSIC TECHNIQUE
C. Batistaki (Greece)

CLINICAL APPLICATION OF AN SCS DEVICE CAPABLE OF PATIENT-SELECTIVE USE OF MULTIPLE AVAILABLE NEUROSTIMULATIVE TREATMENT OPTIONS FOR CHRONIC PAIN: REAL-WORLD OUTCOMES FROM EUROPE
P. De Negri (Italy)

OUTCOMES FOLLOWING UTILIZATION OF A DEVICE ADAPTOR IN PREVIOUSLY-IMPLANTED PATIENTS USING SCS FOR CHRONIC PAIN
T. Yearwood (United States)

INDIVIDUAL QUALITY OF LIFE AND ITS ASSOCIATION WITH PAIN IN PATIENTS WITH MOTOR NEURON DISEASE
P. Åsenlöf (Sweden)

CURRENT TREATMENT PATTERNS AMONG PATIENTS WITH OSTEOARTHRITIS IN JAPAN: ANALYSIS OF A REAL-WORLD DATASET
J. Jackson (United Kingdom)

THE EFFECT OF BOTULINUM TOXIN A ON NEUROPATHIC PAIN IN SPARED NERVE INJURY MOUSE MODEL
R.E. Hammer (Denmark)

A SINGLE CENTRE EXPERIENCE OF CAPSAICIN 8% PATCH EFFICACY. DOES DIAGNOSIS PREDICT PAIN OUTCOME?
S. Thomas (United Kingdom)

ANALGESIC EFFECTS OF THE NOVEL SEMICARBAZIDE-SENSITIVE AMINE OXIDASE INHIBITOR SZV 1287 IN RODENT MODELS OF NEUROPATHIC PAIN
Á. Horváth (Hungary)

ASSOCIATIONS BETWEEN HERBAL CANNABIS TREATMENT AND DECREASE IN ANALGESICS CONSUMPTION: A MULTI-CENTER PROSPECTIVE STUDY OF PATIENTS WITH CHRONIC PAIN
J. Aviram (Israel)

ADRENERGIC-DEPENDENT MECHANISM OF ACTION OF THN101 IN A RODENT NEUROPATHIC PAIN MODEL
B. Letellier (France)

A RANDOMIZED CONTROLLED TRIAL WITH THE α2-SUBUNIT PREFERING GABA POSITIVE ALLOSTERIC MODULATOR, N-DES METHYL-CLOBAZAM (NDMC) IN HEALTHY VOLUNTEERS
M. Besson (Switzerland)

DEVELOPMENT AND PRECLINICAL TESTING OF A PROTOTYPE LEVOBUPIVACAINE-ELUTING DEVICE FOR THE TREATMENT OF POSTOPERATIVE PAIN FOLLOWING INGUINAL HERNIA REPAIR
E. Power (Ireland)
SERVICE EVALUATION TO ASSESS THE EFFICACY OF INTRAVENOUS LIDOCAINE INFUSIONS IN CHRONIC PAIN PATIENTS
N. Rajasekar (United Kingdom)

CURRENT TREATMENT PATTERNS AMONG PATIENTS IN JAPAN WITH CHRONIC LOW BACK PAIN: ANALYSIS OF REAL-WORLD DATA
P. Graham-Clarke (Australia)

PREVENTING THE ACCESS OF NEURONAL MINERALOCORTICOID RECEPTORS BY ENDOGENOUS ALDOSTERONE ATTENUATES INFLAMMATORY PAIN
S. Mousa (Germany)

COMPARISON OF ANTINOCICEPTIVE EFFECTS OF CXCR2 AND CXCR3 RECEPTOR ANTAGONISTS AND THEIR INFLUENCE ON OPIOIDS ANALGESIA OF NEUROPATHIC PAIN MODEL
A. Piotrowska (Poland)

MODULATION OF OPIOID-INDUCED CHANGES IN THE ROSTROVENTROMEDIAL MEDULLA BY KETAMINE
H. Viisanen (Finland)

THE ANTAGONISM OF THE PROKINETICIN SYSTEM COUNTERACTS PAIN AND NEUROINFLAMMATION IN VINCRISTINE INDUCED PERIPHERAL NEUROPATHY IN MICE
G.E. Aliotta (Denmark)

ANALGESIC EFFECT OF PERIOPERATIVE CHLORZOXAZONE ON ACUTE POSTOPERATIVE PAIN AFTER TOTAL HIP AND KNEE REPLACEMENT SURGERY
P. Skrejborg (Denmark)

ANALGESIC EFFECT OF PENTADECA PEPTIDE BPC-157 ON NOCICEPTIVE PAIN IN RATS
J. Lee (Korea, Republic of)

PREVENTIVE EFFECTS OF PHOTobiOMODULATION THERAPY (904 NM) DURING THE DEVELOPMENT OF DIABETIC NEUROPATHIC HYPERALGESIA
W.F. Vieira (Brazil)

PHOTobiOMODULATION THERAPY (904 NM) AS AN ALTERNATIVE TREATMENT TO PERIPHERAL DIABETIC NEUROPATHY: IN VIVO AND IN VITRO ASSESSMENTS
W.F. Vieira (Brazil)

FIGHTING OR ACCEPTING LONG-TERM PAIN - A QUALITATIVE STUDY ON ACCEPTANCE AND COMMITMENT THERAPY (ACT) IN TREATMENT OF LONG-TERM PAIN
L. Danielsson Palmi (Norway)

DO SOCIODEMOGRAPHIC FEATURES, PAIN SENSITIVITY OR PAIN CATASTROPHIZING RELATE TO CLINIC-BASED ADHERENCE TO PHYSIOTHERAPY IN PEOPLE SUFFERING FROM CHRONIC SPINAL PAIN?
D. Lenoir (Belgium)
Scientific Programme

Plenary
13:45 - 14:30
EFIC Hall

ULF LINDBLOM AWARD LECTURE - WHAT IS THE ROLE OF PAIN SCIENCE EDUCATION IN THE TREATMENT ALGORITHM OF PAIN?

Chairs:
B. Fullen (Ireland)

13:45 - 14:30
WHAT IS THE ROLE OF PAIN SCIENCE EDUCATION IN THE TREATMENT ALGORITHM OF PAIN?
L. Moseley (Australia)

Workshop: Low Back Pain
14:30 - 16:00
EFIC Hall

A NEW LOOK AT THE INTERVERTEBRAL DISC AS A PAIN GENERATOR

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Chairs:
A. Al-Kaisy (United Kingdom)

14:30 - 14:55
THE MICROENVIRONMENT OF THE INTERVERTEBRAL DISC - CAN WE FIND CORRELATION WITH CLINICAL PAIN?
J. Urban (United Kingdom)

14:55 - 15:20
NEUROMODULATION FOR DISCOGENIC PAIN - A NEW FRONTIER
A. Al-Kaisy (United Kingdom)

15:20 - 15:45
NOVEL SURGICAL APPROACHES TO REPLACING OR RESTORING THE INTERVERTEBRAL DISC
J. Fairbank (United Kingdom)

15:45 - 16:00
DISCUSSION

Workshop: Pharmacological Topics
14:30 - 16:00
Auditorium 1A

IS THERE AN OPIOID EPIDEMIC IN EUROPE?

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Chairs:
W. Häuser (Germany)

14:30 - 14:55
THE UK PERSPECTIVE
C. Stannard (United Kingdom)

14:55 - 15:20
THE GERMAN PERSPECTIVE
W. Häuser (Germany)

15:20 - 15:45
OPIOID USE IN EUROPE - A PERSPECTIVE FROM THE EMCDDA
P. Griffiths (Portugal)

15:45 - 16:00
DISCUSSION
Workshop: General
14:30 - 16:00
Hall 1B

THE FUTURE IS NOW: DIGITAL TECHNOLOGIES FROM ASSESSMENT TO TREATMENT

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Chairs:
S.A. Boudreau (Denmark)

- **INTRODUCTION**
  14:30 - 14:45

- **ADVANCES IN DIGITAL BODY MAPPING OF PAIN AND OTHER SYMPTOMS**
  M. Galve Villa (Denmark)
  14:45 - 15:00

- **CO-DESIGNING GAMEFUL E/MHEALTH: RADICAL RETHINKING TO EMPOWER AND SUPPORT CHRONICALLY ILL PEOPLE**
  S. Jessen (Norway)
  15:00 - 15:15

- **BODILY-ENHANCED VIRTUAL REALITY TO ALLEVIATE CHRONIC PAIN**
  M. Solcà (Switzerland)
  15:15 - 15:30

- **DISCUSSION**
  15:30 - 15:45

- **CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH**
  15:45 - 16:00

Refresher Course: Psychology
14:30 - 16:00
Hall 3A

PSYCHOSOCIAL ASPECTS OF PAIN

Physiotherapist Track

Chairs:
L. Goubert (Belgium)

- **FROM BASIC TO APPLIED SCIENCE: PSYCHOSOCIAL MODELS OF PAIN CHRONICITY**
  A. Tabor (United Kingdom)
  14:30 - 14:55

- **FROM CONSTRUCT TO ASSESSMENT: HOW TO AVOID GETTING LOST IN TRANSLATION**
  D. van Ryckeghem (Belgium)
  14:55 - 15:20

- **FROM IDENTIFICATION TO EFFECTIVE TREATMENT: ALTERNATIVES FOR THE TREATMENT OF CHRONIC PAIN**
  J. Glombiewski (Germany)
  15:20 - 15:45

- **Q&A**
  15:45 - 16:00
Scientific Programme

Workshop: Basic Science
14:30 - 16:00
Room 3F

MECHANISTIC EPIDEMIOLOGY OF PERSISTENT PAIN
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Chairs:
M. Curatolo (United States)

ACHIEVEMENTS AND LIMITATIONS OF CURRENT MEASURES OF HUMAN NOCICEPTIVE PROCESSES 14:30 - 14:55
M. Curatolo (United States)

NOVEL MEASURES OF THE HUMAN NOCICEPTIVE SYSTEM 14:55 - 15:20
L. Arendt-Nielsen (Denmark)

MODERN EPIDEMIOLOGICAL METHODS FOR MECHANISTIC PAIN RESEARCH 15:20 - 15:45
M. Müller (Switzerland)

DISCUSSION 15:45 - 16:00

Workshop: Musculoskeletal
14:30 - 16:00
Room 2H

"UNRAVELLING PAIN IN INFLAMMATORY DISEASES: FROM NOCICEPTION TO COMPLEX MECHANISMS”
234

Chairs:
S. Perrot (France)

PAIN IN INFLAMMATORY RHEUMATIC CONDITIONS: WHEN NOCICEPTION TURNS TO NOCIPLASTIC 14:30 - 14:55
S. Perrot (France)

FROM SYMPTOM PROFILES TO SENSORY PROFILES, FROM ACUTE TO CHRONIC LOW BACK PAIN: TOWARDS MECHANISTIC CLASSIFICATION 14:55 - 15:20
T. Toelle (Germany)

NEURON-IMMUNE MECHANISMS OF ARTHRITIS PAIN AND THE INFLUENCE OF ANXIETY 15:20 - 15:45
V. Chapman (United Kingdom)

DISCUSSION 15:45 - 16:00
Workshop: Psychology
14:30 - 16:00
Room 4C

**THE ROLE OF SELF-MANAGEMENT IN THE TREATMENT OF MUSCULOSKELETAL DISORDERS: CURRENT EVIDENCE AND PRACTICAL RECOMMENDATIONS**

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**Chairs:**
N. Hutting (Netherlands)

**SELF-MANAGEMENT FOR MUSCULOSKELETAL DISORDERS: AN OVERVIEW OF THE AVAILABLE EVIDENCE AND PRESENTATION OF AN INDIVIDUALIZED SELF-MANAGEMENT APPROACH**
14:30 - 14:55
N. Hutting (Netherlands)

**A MULTI-MODAL INTERVENTION PROGRAMME FOR OPIOID REDUCTION FOR PEOPLE WITH CHRONIC NON-MALIGNANT PAIN (THE I-WOTCH STUDY) - DESIGN, DELIVERY AND LESSONS LEARNT**
14:55 - 15:20
H. Kaur Sandhu (United Kingdom)

**TRANSFERABILITY OF BEST AVAILABLE RESEARCH EVIDENCE AND THE CHALLENGES OF IMPLEMENTATION OF SELF-MANAGEMENT PROGRAMS**
15:20 - 15:45
N. Walsh (United Kingdom)

**DISCUSSION**
15:45 - 16:00

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**Spanish-language Track**
14:30 - 16:00
Room 4F

**LAS BASES DEL DOLOR QUE NOS LO EXPLICAN TODO**

**Chairs:**
L. Villanueva (France)

**ANÁTOMO-HISTOLOGÍA QUE NOS EXPLICA LA IMPORTANCIA DE LA GLÍA EN EL DOLOR**
14:30 - 14:55
A.A. Valverde-Navarro (Spain)

**EL CENTRO DEL DOLOR QUE TODO LO INTEGRA ¿CUAL ES?**
14:55 - 15:20
L. Villanueva (France)

**HACIA UNOS FÁRMACOS MAS SELECTIVOS EN DOLOR CRÓNICO**
15:20 - 15:45
C. Goicoechea (Spain)

**DISCUSIÓN**
15:45 - 16:00
Scientific Programme

Workshop: Low Back Pain
16:30 - 18:00
EFIC Hall

CRITICAL VIEW ON THE RECENT LITERATURE ON RADIOFREQUENCY TREATMENT FOR LUMBAR FACET JOINT PAIN

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Chairs:
J. Van Zundert (Belgium)

EUROPEAN GUIDELINES ON THE TREATMENT OF LOW BACK PAIN
J. Van Zundert (Belgium)
16:30 - 16:55

SET-UP OF A PRAGMATIC TRIAL (MINT) AND RESULTS
M. van Tulder (Netherlands)
16:55 - 17:20

HOW TO DEAL WITH THE QUESTIONS RAISED AFTER THE MINT STUDY
S. Eldabe (United Kingdom)
17:20 - 17:45

DISCUSSION
17:45 - 18:00

Workshop: Pharmacological Topics
16:30 - 18:00
Auditorium 1A

NEW SUBSTANCES AS NEW POSSIBILITIES FOR PAIN TREATMENT

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Chairs:
P. Fernandes (Brazil)

NEW AMIDES OF SEROTONIN AS A POSSIBLE CHOICE FOR PAIN TREATMENT
P. Fernandes (Brazil)
16:30 - 16:55

ROLE OF MONOClonAL ANTIBODIES IN CHRONIC PAIN TREATMENT
N. Varela (Spain)
16:55 - 17:20

R-954: A BRADYKININ B1 RECEPTOR ANTAGONIST FOR TREATMENT OF DIABETIC NEUROPATHIC PAIN
P. Sirois (Canada)
17:20 - 17:45

DISCUSSION
17:45 - 18:00

Workshop: General
16:30 - 18:00
Hall 1B

PREVENTION OF WORK DISABILITY; IMPLEMENTING A 'WHOLE-SYSTEMS' APPROACH

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Chairs:
M. Reneman (Netherlands)
Scientific Programme

SYSTEM INFLUENCES ON WORK DISABILITY DUE TO LOW BACK PAIN: AN OVERVIEW OF THE EVIDENCE 16:30 - 16:55
S. Bartys (United Kingdom)

EARLY WORKPLACE INTERVENTIONS TO PREVENT BACK DISABILITY: RESULTS FROM CONTROLLED TRIALS 16:55 - 17:20
S. Linton (Sweden)

INTEGRATING HEALTH CARE AND WORKPLACE SYSTEMS; COSTS-BENEFITS OF VOCATIONAL REHABILITATION FOR WORKERS WITH CHRONIC PAIN 17:20 - 17:45
M. Reneman (Netherlands)

DISCUSSION 17:45 - 18:00

Refresher Course: Neuropathic Pain
16:30 - 18:00  Hall 3A

NEUROPATHIC PAIN
Physiotherapist Track

Chairs:
N.B. Finnerup (Denmark)

NEUROPATHIC PAIN: DIAGNOSIS, CLINICAL PRESENTATION AND CLINICAL EXAMINATION 16:30 - 16:55
P. Hansson (Norway)

ASSESSMENT 16:55 - 17:20
A. Truini (Italy)

TREATMENT 17:20 - 17:45
N. Attal (France)

Q&A 17:45 - 18:00

Workshop: Basic Science
16:30 - 18:00  Room 3F

OPTIMISATION AND REFINEMENT OF ANIMAL MODELS TO IMPROVE TRANSLATABILITY OF RESEARCH IN CHRONIC PELVIC PAIN ASSOCIATED PATHOLOGIES. THE EXAMPLE OF ENDOMETRIOSIS AND BLLAGGER PAIN SYNDROMES 308

Chairs:
R. Gómez (Spain)

CHALLENGES IN TRANSLATING RESEARCH WITH PRECLINICAL MODELS OF CHRONIC PELVIC PAIN ASSOCIATED PATHOLOGIES FROM THE BENCH TO THE CLINIC 16:30 - 16:55
R. Gómez (Spain)

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Scientific Programme

**REFINEMENT OF CURRENT ANIMAL MODELS OF ENDOMETRIOSIS ASSOCIATED CHRONIC PELVIC PAIN TO IMPROVE RESEARCH TRANSLATABILITY**

E. Greaves (United Kingdom)  16:55 - 17:20

**BPS/IC ANIMAL MODELS: A SNAPSHOT OF A LONG MOVIE**

A. Charrua (Portugal)  17:20 - 17:30

**DISCUSSION**  17:30 - 17:45

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Workshop: Musculoskeletal
16:30 - 18:00  Room 2H

**FIBROMYALGIA - A PROTOTYPE OF NOCIPLASTIC PAIN; UNDERSTANDING MECHANISMS AND DELIVERING OPTIMAL CARE**

213

**Chairs:**
G. Macfarlane (United Kingdom)

**NOCIPLASTIC PAIN: THE THIRD IASP MECHANISTIC DESCRIPTOR FOR PAIN, HOW DOES IT APPLY TO FIBROMYALGIA**

E. Kosek (Sweden)  16:30 - 16:55

**NEW PERSPECTIVES ON PAIN MODULATION AND CENTRAL SENSITISATION IN FIBROMYALGIA**

M. Meeus (Belgium)  16:55 - 17:20

**RECENT RECOMMENDATIONS FOR MANAGEMENT OF FIBROMYALGIA FROM EUROPE, NORTH AMERICA AND ELSEWHERE: AREAS OF CONSENSUS, DISAGREEMENT, WITH A FOCUS ON RESEARCH TO ADDRESS PRIORITIES**

G. Macfarlane (United Kingdom)  17:20 - 17:45

**DISCUSSION**  17:45 - 18:00

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Workshop: Psychology
16:30 - 18:00  Room 4C

**“A MODERN AND FRESH VIEW ON PAIN NEUROSCIENCE EDUCATION: LESS COMMON, BUT ALL THE MORE CONVENIENT”**

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**Chairs:**
P. van Wilgen (Netherlands)

**NOT LIMITED TO THE CHRONIC PAIN POPULATION: THE VALUE OF PAIN NEUROSCIENCE EDUCATION IN ACUTE AND SUBACUTE PAIN**

A. Louw (United States)  16:30 - 16:55

**TEAMWORK IN CLINICAL PRACTICE: THE APPLICATION OF TRANSDISCIPLINARY PAIN NEUROSCIENCE EDUCATION**

C.P. van Wilgen (Netherlands)  16:55 - 17:20
The 11th Congress of the European Pain Federation EFIC,
4 - 7 September 2019,
Valencia, Spain

**Scientific Programme**

**DIGITAL PAIN NEUROSCIENCE EDUCATION: CAN WE USE BLENDED-LEARNING AND VIRTUAL REALITY TECHNIQUES?**
E. Huysmans (Belgium)

**DISCUSSION**

**Spanish-language Track**
16:30 - 18:00

**DOLOR MIOFASCIAL**

**Chairs:**
M.A. Canos (Spain)

**DOLOR MIOFASCIAL ¿Qué FÁRMACOS PODEMOS INFILTRAR? ¿SÓLO ANESTéSICOS LOCALES? ¿SIEMPRE CON CORTICOIDES?**
M.L. Padilla del Rey (Spain)

**DONDE INYECTAR?**
S. Boada (Spain)

**PUEDEN VERSE BIEN LOS PUNTOS TRIGGER CON ULTRASONIDOS?**
J. Orduña Valls (Spain)

**DISCUSIÓN**
Scientific Programme

Saturday, 07. September 2019

Plenary
08:30 - 09:00
Auditorium 1A

PAIN MODULATION AND NEUROINFLAMMATION IN RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND FIBROMYALGIA, SIMILARITIES AND DIFFERENCES

PAIN MODULATION AND NEUROINFLAMMATION IN RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND FIBROMYALGIA, SIMILARITIES AND DIFFERENCES 08:30 - 09:00
E. Kosek (Sweden)

Plenary
09:00 - 09:30
Auditorium 1A

NEUROPATHIC PAIN - WHAT WENT WRONG?

Chairs:
T. Toelle (Germany)

NEUROPATHIC PAIN - WHAT WENT WRONG? 09:00 - 09:30
P. Hansson (Norway)

Plenary
09:30 - 10:15
Auditorium 1A

GRADING THE EVIDENCE – NEW DEVELOPMENTS IN ESTIMATING THE QUALITY OF EVIDENCE AND CONSEQUENCES FOR THE TREATMENT OF PAIN

Chairs:
F. Huygen (Netherlands)

GRADING THE EVIDENCE – NEW DEVELOPMENTS IN ESTIMATING THE QUALITY OF EVIDENCE AND CONSEQUENCES FOR THE TREATMENT OF PAIN 09:30 - 10:15
G. Guyatt (Canada)

Special Session
10:45 - 12:15
Auditorium 1A

THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11: UPDATE AND FIRST RESULTS FROM INTERNATIONAL FIELD TESTING STUDIES

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Chairs:
W. Rief (Germany)
Scientific Programme

INTRODUCTION TO THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11
R.-D. Treede (Germany) 10:45 - 11:10

CHRONIC PRIMARY PAIN IN ICD-11: WHAT IS IT AND WHY IS IT IMPORTANT?
W. Rief (Germany) 11:10 - 11:35

CHRONIC POSTSURGICAL AND POST-TRAUMATIC PAIN
P. Lavand’homme (Belgium) 11:35 - 12:00

DISCUSSION 12:00 - 12:15

Workshop: Psychology
10:45 - 12:15  Hall 3A

CHRONIC PAIN ACROSS THE LIFESPAN: BIOPSYCHOSOCIAL TREATMENT PERSPECTIVES 272

Chairs:
R. Smeets (Netherlands)

INTRODUCTION 10:45 - 11:00

PNE4KIDS: EXPLAINING PAIN TO CHILDREN WITH CHRONIC PAIN
K. Ickmans (Belgium) 11:00 - 11:15

GET LIVING! A FUNCTIONAL APPROACH TO PEDIATRIC PAIN REHABILITATION
L. Harrison (United States) 11:15 - 11:30

A MODERN NEUROSCIENCE APPROACH TO CHRONIC PAIN IN ADULTS AND ELDERLY: HOW TO APPLY IN CLINICAL PRACTICE?
I. Coppieters (Belgium) 11:30 - 11:40

DISCUSSION 11:40 - 11:55

CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH 11:55 - 12:10

Workshop: Pain Syndromes
10:45 - 12:15  Room 3F

UNDERSTANDING VARIABILITY IN PAEDIATRIC PAIN AT THE INTERFACE OF BIOLOGY, PSYCHOLOGY, AND SOCIAL DIMENSIONS 177

Chairs:
R. Pillai Riddell (Canada)

REGULATING FROM ACUTE PAIN ACROSS EARLY CHILDHOOD 10:45 - 11:10
R. Pillai Riddell (Canada)
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PSYCHOSOCIAL RISK AND RESILIENCE MECHANISMS OF CHILD PAIN AND RECOVERY AFTER SURGERY
L. Goubert (Belgium)
11:10 - 11:35

THREAT LEARNING IN YOUTH WITH CHRONIC PAIN: THE INFLUENCE OF PAIN-RELATED DISTRESS ON ENCODING AND RESISTANCE TO EXTINCTION
L. Simons (United States)
11:35 - 12:00

DISCUSSION
12:00 - 12:15

Spanish-language Track
10:45 - 12:15
Room 2H

SENSIBILIZACIÓN CENTRAL... UN PROCESO MULTIDISCIPLINAR

Chairs:
J. Casanova (Spain)

IMPORTANCIA DE LA FISIOTERAPIA EN LA SENSIBILIZACIÓN DEL DOLOR. 'HANDS OUT' EN FISIOTERAPIA
L. Dueñas (Spain)
10:45 - 11:10

DETECCIÓN OBJETIVA DE ESTADOS DE DOLOR CLínICO
J. Casanova (Spain)
11:10 - 11:35

EL DOLOR COMO MEMORIA. EL DOLOR CRÓNICO COMO UNA MEMORIA ABERRANTE QUE SE PUEDE OLVIDAR
R. Torres Cueco (Spain)
11:35 - 12:00

DISCUSIÓN
12:00 - 12:15

Workshop: Pharmacological Topics
12:45 - 14:15
Auditorium 1A

CANNABIS-BASED MEDICINES FOR CHRONIC PAIN - BEYOND EVIDENCE-BASED MEDICINE?

Chairs:
S. Brill (Israel)

OVERVIEW ON THE RESULTS OF SYSTEMATIC REVIEWS OF RANDOMISED CONTROLLED TRIALS WITH MEDICAL CANNABIS
S. Brill (Israel)
12:45 - 13:10

CHALLENGES IN IMPROVING CLINICAL TRIAL DESIGN AND ANALYSIS FOR CHRONIC PAIN
G. Stewart (United Kingdom)
13:10 - 13:35

RANDOMISED CONTROLLED TRIALS AND SYSTEMATIC REVIEW FOR MEDICAL CANNABIS AND CANNABIS-BASED MEDICINES: LIES AND FAKE NEWS
W. Häuser (Germany)
13:35 - 14:00
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DISCUSSION
14:00 - 14:15

Refresher Course: Low Back Pain
12:45 - 14:15
Hall 3A

AXIAL PAIN
Physiotherapist Track

Chairs:
S. Ward

SPINAL PAIN: DEFINITIONS, MECHANISMS AND RISK FACTORS
12:45 - 13:10
F.M. Williams (United Kingdom)

SPINAL PAIN: CLINICAL ASSESSMENT AND APPROPRIATE IMAGING
13:10 - 13:35
T. Maus (United States)

NON-INVASIVE PHYSICAL THERAPIES FOR SPINAL PAIN - CURRENT EVIDENCE
13:35 - 14:00
M. O’Keefe (Australia)

Q&A
14:00 - 14:15

Workshop: General
12:45 - 14:15
Room 3F

MODULATING CHRONIC PAIN WITH PHYSICAL THERAPY: KEY CONSIDERATIONS FOR APPROPRIATE MANAGEMENT

Chairs:
C. Fernández-de-las-Peñas (Spain)

MANUAL THERAPY AS A PAIN MODULATOR OF THE CENTRAL NERVOUS SYSTEM
12:45 - 13:10
C. Courtney (United States)

MANUAL THERAPY AND EXERCISE AS PAIN MODULATORS OF THE CENTRAL NERVOUS SYSTEM
13:10 - 13:35
C. Fernández-de-las-Peñas (Spain)

COMMUNICATION STRATEGIES ACCOMPANYING HANDS-ON TREATMENT FOR CHRONIC PAIN: APPLYING CONTEMPORARY NEUROSCIENCE IN CLINICAL PRACTICE
13:35 - 14:00
J. Nijs (Belgium)

DISCUSSION
14:00 - 14:15
Scientific Programme

Workshop: Basic Science
12:45 - 14:15
Room 2H

NOVEL BIOMARKERS TO ASSESS CENTRAL SENSITISATION IN HUMANS
271

Chairs:
E. van den Broeke (Belgium)

QST AND SURROGATE MODELS OF DYNAMIC PAIN FUNCTION- ARE THEY RELEVANT FOR THE PATIENT IN PAIN?
12:45 - 13:10
K.B. Nilsen (Norway)

SPINAL NOCICEPTION IN HUMANS. RELEVANCE FOR ASSESSMENT OF CENTRAL SENSITISATION
13:10 - 13:35
O.K. Andersen (Denmark)

CAN ELECTRO-ENCEPHALOGRAPHY AND PUPILLOMETRY INFORM US ABOUT THE PRESENCE OF CENTRAL SENSITIZATION IN HUMANS?
13:35 - 14:00
E. van den Broeke (Belgium)

DISCUSSION
14:00 - 14:15

Special Session
14:15 - 15:00
Auditorium 1A

LIVE! EFIC - MASTERCHEF: ANTINOCICEPTIVE COOKING
14:15 - 15:00
B. Morlion (Belgium)

Plenary
15:00 - 15:15
Auditorium 1A

CLOSING & AWARDS