2011 Accepted Abstracts

Please note that abstracts have not been edited by PAINWeek staff for content, style, or accuracy, and are displayed as input by each submitter.

1. Open-label, open-ended study of the safety of diclofenac sodium topical solution for management of osteoarthritis: characterization of gastrointestinal adverse events

Charles Argoff¹, Jeff Patrick², Zev Shainhouse³

Albany Medical College, Albany, NY, USA, ²Covidien, Hazelwood, MO, USA, ³Consultant, Toronto, ON, Canada

2. Open-label, open-ended study of the safety of diclofenac sodium topical solution for management of osteoarthritis: characterization of application-site adverse events

Zev Shainhouse¹, Jeff Patrick², Charles Argoff³

¹Consultant, Toronto, ON, Canada, ²Covidien, Hazelwood, MO, USA, ³Albany Medical College, Albany, NY, USA

3. Evaluation of the current practices for managing postoperative pain and characterization of patients undergoing total knee or hip arthroplasty in a real-world setting

Carmen Kirkness¹⁵, Carrie McAdam-Marx², Sudhir Unni², Jason Young², Xiangyang Ye², Arthi Chandran³, Da-In Kim³, Junji Lin², Christopher Peters³, Carl Asche²⁵
Department of Physical Therapy, College of Health, University of Utah, Salt Lake City, UTAH, USA, ²Department of Pharmacotherapy, University of Utah,
Salt Lake City, UTAH, USA, ³Department of Orthopaedics, School of Medicine, University of Utah, Salt Lake City, UTAH, USA, ⁴Pfizer, Inc., New York, NEW
YORK, USA, ⁵University of Illinois College of Medicine, Peoria, ILLINOIS, USA

4. Observation of improved adherence with ongoing urine drug testing in patients with chronic pain

David Yee', Michelle Hughes', Alexander Guo', Stephanie Tse', Neveen Barakat', Rabia Atayee'², Joseph Ma², Brookie Best², Amadeo Pesce^{4,5}
¹University of California San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences, La Jolla, California, USA, ²Doris A. Howell Palliative Care Service, La Jolla, California, USA, ³University of California Department of Pediatrics, Rady Children's Hospital-San Diego, San Diego, California, USA, ⁴Millennium Research Institute, San Diego, California, USA, ⁵University of California Department of Pathology and Laboratory Medicine, San Diego, California, USA

5. A novel diagnostic examination of the lumbar adhesion arachnoiditis by MRI scanning in supine and prone positions

Kenji Azuma, Masahiko Sumitani, Takamichi Kogure, Hiroshi Sekiyama, Yoshitsugu Yamada Department of Anesthesiology and Pain Relief Center, The University of Tokyo Hospital, Tokyo, Japan

6. The conversion of hydrocodone to hydromorphone and norhydrocodone comparison in subjects with chronic pain

Neveen Barakatⁱ, Rabia Atayee¹², Joseph Ma¹², Brookie Best¹³, Amadeo Pesce⁴⁵

²University of California, San Diego (UCSD), Skaggs School of Pharmacy & Pharmaceutical Sciences, La Jolla, CA, USA, ²Doris A. Howell Palliative Care Service, San Diego, CA, USA, ²UCSD Department of Pediatrics, Rady Children's Hospital, San Diego, CA, USA, ⁴Millennium Research Institute, San Diego, CA, USA, 5Department of Pathology and Laboratory Medicine, UCSD School of Medicine, LA Jolla, CA, USA

7. Dose-proportionality, relative bioavailability, and effects of food on bioavailability of an immediate-release oxycodone HCl tablet designed to discourage tampering

Almasa Bass¹, Kenneth Somerville¹, Robert Roller¹, Glenn Pixton¹, Jeffrey Stark², Cynthia Zamora², Mark Leibowitz²

¹Pfizer Inc., Cary, NC, USA, ²Worldwide Clinical Trials Drug Development Solutions, Austin, TX, USA, ³Worldwide Clinical Trials Drug Development Solutions, San Antonio, TX, USA

8. Daily average consumption of oxycodone CR and oxymorphone ER before and after the introduction of reformulated oxycodone CR

R. Amy Puenpatom¹, Kent Summers¹, Robert Garvin¹, Larry Ma¹, Sheryl L. Szeinbach², Rami Ben-Joseph¹ ¹Endo Pharmaceuticals Inc., Chadds Ford, PA, USA, ²Ohio State University, College of Pharmacy, Columbus, OH, USA

9. A viable methodology for assessing the onset of treatment for low back pain

Jerrold Petrofsky', Lee Berk', Gurinder Bains', Geraldine Doyle', Shijie Chen', Lisa Baird', Paul Desjardins', Jill Stark'
'Loma Linda University, Department of Physical Therapy, Loma Linda, CA, USA, 'Pfizer Consumer Healthcare, Madison, NJ, USA

10. A posthoc pooled data analysis to evaluate the gastrointestinal tolerability profile of tapentadol extended release (ER) vs oxycodone controlled release (CR) in patients ≥75 years of age

David Biondi^r, Jim Xiang², Mila Etropolski², Bruce Moskovitz¹

Ortho-McNeil Janssen Scientific Affairs, LLC, Raritan, NJ, USA, Johnson & Johnson Pharmaceutical Research & Development, LLC, Raritan, NJ, USA

11. A posthoc pooled data analysis to evaluate blood pressure (BP) and heart rate (HR) measurements in patients with a current or prior history of hypertension who received tapentadol ER, oxycodone CR, or placebo in chronic pain studies

David Biondi[†], Jim Xiang[‡], Mila Etropolski[‡], Bruce Moskovitz[‡]

Ortho-McNeil Janssen Scientific Affairs, LLC, Raritan, NJ, USA, Johnson & Johnson Pharmaceutical Research & Development, LLC, Raritan, NJ, USA

12. Treatment of painful diabetic peripheral neuropathy in the nursing home: prevalence of the disease and conformance with a new evidence-based guideline

Frank Breve

 ${\it Mid Atlantic PharmaTech Consultants, LLC, Ventnor, New Jersey, USA}$

13. Initial findings on abuse rates and routes of administration following introduction of reformulated OxyContin® in a sentinel surveillance system of patients in substance use treatment

Theresa Cassidy^a, Paul Coplan^a, Ryan Black^a, Howard Chilcoat^a, Simon Budman^a, Stephen Butler^a Inflexxion, Inc., Newton, MA, USA, ^aPurdue Pharma L.P., Stamford, CT, USA

14. Sphygmomanometry-evoked allodynia for the identification of fibromyalgia patients

Arthi Chandran', Cheryl Coon', Susan Martin', Lori McLeod', Theresa Gilligan', Lesley Arnold'

Pfizer Inc., New York, NY, USA, PRTI Health Solutions, Ann Arbor, MI, USA, University of Cincinnati College of Medicine, Cincinnati, OH, USA

15. An aid to guide primary care physicians in the differential diagnosis of fibromyalgia

Lesley Arnold¹, Arthi Chandran², Susan Martin³

¹University of Cincinnati College of Medicine, Cincinnati, OH, USA, ²Pfizer Inc., New York, NY, USA, ³RTI Health Solutions, Ann Arbor, MI, USA

16. Evaluation of safety and efficacy of LEVADEX® (MAPOOO4) in treating acute menstrual migraine

Curtis P. Schreiber, Shashidhar H. Kori, Sylvia M. Lucas, Scott W. Borland, Min Wang, Bin Hu, Jan L. Brandes, Susy Chen ¹Headache Care Center, Primary Care Network, Springfield, MO, USA, ²MAP Pharmaceuticals, Inc., Mountain View, CA, USA, ³University of Washington Medical Center, Seattle, WA, USA, & Nashville Neuroscience Group, PC, Nashville, TN, USA

17. A long-term open-label study assessing the safety and tolerability of LEVADEX orally inhaled dihydroergotamine in adult migraineurs

Don Kellerman, Jean Chang, Shashidhar Kori, Susy Chen MAP Pharmaceuticals, Inc., Mountain View, CA, USA

18. Pain Education School: findings from year one of an "informational healing" program

David Cosio, Erica Hugo, Ronald Albrecht

Anesthesiology Service/Pain Clinic, Jesse Brown VA Medical Center, Chicago, IL, USA

19. An "informational" healing program: introduction to the Pain Education School program at Jesse **Brown VA Medical Center**

David Cosio, Erica Hugo, Ronald Albrecht

Anesthesiology Service/Pain Clinic, Jesse Brown VA Medical Center, Chicago, IL, USA

20. The medical borderline: personality characteristics that promote increased risk of opioid misuse

Geralyn Datz¹, Melissa Bonnell², Toni Merkey², Todd Sitzman³ Forrest General Hospital, Hattiesburg, MS, USA, University of Southern Mississippi, Hattiesburg, MS, USA, Advanced Pain Therapy, PLLC, Hattiesburg, MS,

21. Test-Retest reliability of clinical sensory testing for sensorimotor polyneuropathy

Joseph O. DiDuro, Thomas J. Burke

Neuropathy Treatment Centers of America, Phoenix, AZ, USA

22. A prospective study of changes in pain numeric rating scale with physiotherapy treatment for neuropathic pain

Joseph O. DiDuro, Thomas Burke

Neuropathy Treatment Centers of America, Phoenix, AZ, USA

23. A randomized, double-blind, placebo-controlled discontinuation study of milnacipran for the treatment of fibromyalgia in patients receiving long-term milnacipran treatment

Philip Mease, Yimin Ma, Arlene Baldecchi, Robert H. Palmer, Joel M. Trugman, Ian D'Souza

Seattle Rheumatology Associates and Swedish Medical Center, Seattle, Washington, USA, Forest Research Institute, Jersey City, New Jersey, USA

24. A 3-year, open-label, flexible-dosing study of milnacipran for the treatment of fibromyalgia

Lesley Arnold¹, Allan Spera², Arlene Baldecchi², Yong Wang², Ian D'Souza²

University of Cincinnati College of Medicine, Cincinnati, USA, Forest Research Institute, Jersey City, USA

25. Assessing concomitant use of oxycodone formulations with known strong cytochrome P450 (CYP) 2D6 inhibitors in patients with chronic pain

Natalie M. Elder¹, Rabia S. Atayee¹², Joseph D. Ma¹², Bookie M. Best¹³, Amadeo J. Pesce⁴⁵

¹University of California San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences, La Jolla, CA, USA, ²Doris A. Howell Palliative Care Service, La Jolla, CA, USA, 3University of California San Diego Department of Pediatrics; Rady's Children's Hospital, San Diego, CA, USA, 4Millennium Research Institute, San Diego, CA, USA, ⁵University of California San Diego Department of Pathology, La Jolla, CA, USA

26. Perceiving pain in oneself and others: the influence of perspective and priming

Samantha R. Fashler¹, Kalie N. McCrystal¹, Daniel Jones¹, Judith Versloot², Kenneth D. Craig¹

¹University of British Columbia, Vancouver, BC, Canada, ²University of Toronto, Toronto, ON, Canada

27. Perceiving pain in sports injuries: behavioral, contextual and cognitive factors

Kalie N. McCrystal[†], Samantha R. Fashler[‡], Judith Versloot[‡], Kenneth D. Craig[‡]

¹University of British Columbia, Vancouver, British Columbia, Canada, ²University of Toronto, Toronto, Ontario, Canada

28. Prescription adherence among chronic pain patients: does monitoring according to the SAFE USE treatment monitoring program clinical guidelines for chronic opioid therapy improve patient adherence? B. Baker Fore

¹The Wellness Center, Ardmore, OK, USA, 2Mercy Memorial Hospital, Ardmore, OK, USA

29. Participation in a regional hydromorphone safety initiative

Maria Foy, Maria Doll Shaw, Robert Giannini

Abington Memorial Hospital, Abington, PA, USA

30. When is more too much? A case of opioid induced neurotoxity

Maria Foy, Aalap Patel

Abington Memorial Hospital, Abington, PA, USA

31. Safety of diclofenac sodium topical solution compared with oral diclofenac for osteoarthritis of the knee in patients aged ≥65 years: pooled analysis from two controlled trials

Sanford Roth¹, Philip Fuller¹

¹Arizona State University, Phoenix, AZ, USA, ²Covidien, Hazelwood, MO, USA

32. Efficacy of diclofenac sodium topical solution compared with oral diclofenac: a by-question analysis of 3 WOMAC * dimensions in patients with osteoarthritis of the knee

Sanford Roth¹, Philip Fuller²

¹Arizona State University, Phoenix, AZ, USA, ²Covidien, Hazelwood, MO, USA

33. Assessment of chronic pain, impact on quality of life, and medication use utilizing a patient

Dean Gianarkis', Beth Vanderheyden', Scott E. Glosner', Maureen L. Blattner', Peggy Lotkowictz', Therese Cardosi'

Pfizer, Inc., New York, NY, USA, Arthritis Foundation, West Allis, Wisconsin, Upper Midwest Region, USA, Arthritis Foundation, Iselin, NJ, Northeast Region, USA, ⁴Arthritis Foundation, Kankakee, IL, USA

34. Bioavailability of crush-resistant oxymorphone extended-release 40 mg with ethanol under fasted conditions

William Fiske, Janet Jobes, Qinfang Xiang, Errol Gould, Irma Benedek Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

35. Bioequivalence of crush-resistant oxymorphone extended release 40 mg and oxymorphone extended release 40 mg under fed conditions

Irma Benedek, Janet Jobes, Qinfang Xiang, Errol Gould, William Fiske Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

36. Effectiveness and safety of lidocaine 5% patch as add-on treatment in patients with allodynia

caused by postherpetic neuralgia, diabetic neuropathy, or low back pain

Srinivas Nalamachu¹, Matthew S. Wieman², Errol M. Gould²

International Clinical Research Institute, Overland Park, KS, USA, ²Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

37. Efficacy, safety, and tolerability of HZT-501, including users of low-dose aspirin (LDA), a single-tablet combination of ibuprofen-famotidine: results of two phase 3 trials

Michael Weinblatt', Mark Genovese', Alan Kivitz', Al Bello', Amy Grahn', Michael Schiff'

¹Harvard Medical School Division of Rheumatology, Boston, MA, USA, ²Stanford University, Stanford, CA, USA, ³Altoona Center for Clinical Research, Altoona, PA, USA, Illinois Bone and Joint Institute, Glenview, IL, USA, Horizon Pharma USA, Inc, Northbrook, IL, USA, University of Colorado, Denver, CO, USA

38. Long-term safety of an NSAID with built-in gastroprotection for treatment of pain and inflammation related to OA and RA: comparative results from blinded and open-label one- year safety trials of a single-tablet combination of ibuprofen-famotidine

Jay Goldstein¹, Sharad Lakhanpal², Stanley Cohen², Al Bello³, Amy Grahn⁴, Alan Kivitz⁵

¹University of Illinois, Chicago, IL, USA, ²Metroplex Clinical Research Center, Dallas, TX, USA, ³Illinois Bone and Joint Institute, Morton Grove, IL, USA, ⁴Horizon Pharma USA, Inc, Northbrook, IL, USA, Altoona Center for Clinical Research, Altoona, PA, USA

39. An innovative Risk Evaluation and Mitigation Strategy (REMS) for Abstral, a transmucosal immediate-release fentanyl (TIRF) product

Greg Guillory', Anthony G. Oladipo', Bridget O'Mahony', Kristina Crockett', Julian Howell'

[,]ProStrakan, Inc., Bedminster, New Jersey, USA, [,]ProStrakan Group Plc., Galashiels TD1 1QH, UK, [,]RelayHealth Pharmacy, Atlanta, Georgia, USA

40. Inter- and intrasubject variability of urinary norbuprenorphine to buprenorphine metabolic ratios in

Alexander Y. Guo¹, Rabia S. Atayee¹², Joseph D. Ma¹², Brookie M. Best¹³, Amadeo J. Pesce⁴⁵

University of California, San Diego, La Jolla, CA, USA, Doris A. Howell Palliative Care Service, San Diego, CA, USA, UCSD Department of Pediatrics, Rady Children's Hospital, San Diego, CA, USA, Millennium Research Institute, San Diego, CA, USA, Department of Pathology and Laboratory Medicine, UCSD School of Medicine, La Jolla, CA, USA

41. Gastrointestinal tolerability during conversion and titration with once-daily hydromorphone ER (OROS hydromorphone ER) in opioid-tolerant patients with chronic low back pain

Martin Hale¹, Srinivas Nalamachu², Arif Khan³

Gold Coast Research, LLC., Weston, FL, USA, International Clinical Research Institute, Overland Park, KS, USA, Northwest Clinical Research Center, Bellevue, WA, USA

42. Perceived pain, disability, and psychometric measures in neuropathic vs nociceptive pain

Meryem Saracoglu¹², Joseph R. Graciosa¹, Maxine M. Kuroda¹, R. Norman Harden¹²

PRehabilitation Institute of Chicago, Chicago, IL, USA, Porthwestern University Feinberg School of Medicine, Department of Physical Medicine & Rehabilitation, Chicago, IL, USA

43. Providing optimal care to the chronic pain patient in the community pharmacy: a patient survey

Erron Swick, Chris Herndon

Southern Illinois University Edwardsville, Edwardsville, IL, USA

44. Knowledge of chronic pain: an analysis of health literacy

Jake Griffin, Radhika Devraj, Chris Herndon

Southern Illinois University Edwardsville, Edwardsville, IL, USA

45. Oral local anesthesia successfully ameliorated neuropathic pain in an upper limb, suggesting pain alleviation through neural plasticity within the central nervous system: a case report

Jun Hozumi, Masahiko Sumitani, Arito Yozu, Toshiya Tomioka, Hiroshi Sekiyama, Satoru Miyauchi, Yoshitsugu Yamada Department of Anesthesiology and Pain Relief Center, The University of Tokyo Hospital, Tokyo, Japan, Department of Rehabilitation Medicine, The University of Tokyo, The Graduate School of Medicine, Tokyo, Japan, 3Kobe Advanced ICT Research Center, National Institute of Information and Communications Technology, Kobe, Japan

46. Donepezil could reverse pregabalin/gabapentin-induced somnolence in patients with neuropathic

Kiyoshi Ikegami, Masahiko Sumitani, Takamichi Kogure, Kenji Azuma, Hiroshi Sekiyama, Satoru Miyauchi, Yoshitsugu Yamada Department of Anesthesiology and Pain Relief Center, The University of Tokyo Hospital, Tokyo, Japan, 2CREST brain function imaging team, Kobe Advanced ICT Research Center, National Institute of Information and Communications Technology, Hyogo, Japan

47. Analysis of Pain Management Team patient survey

Christine Kahley, Christine Higgins, Alisha Cain

York Hospital, York, PA, USA

49. Medication error reporting practices in hospice

Mina Kim¹, Mary Lynn McPherson¹

University of Washington Medical Center, Seattle, WA, USA, 2University of Maryland School of Pharmacy, Baltimore, MD, USA

50. Incidence of hydromorphone associated opioid-induced neurotoxicity

Justin Kullgren^{1,2}, Vy Le², Warren Wheeler¹

Roseman University of Health Sciences, Henderson, NV, USA, Nathan Adelson Hospice, Las Vegas, NV, USA?

51. Comparison of oral fluid and urine drug testing in a population of those with chronic pain

Sergey Latyshev, David Masters-Moore, Charles Mikel Millennium Research Institute, San Diego, CA, USA

52. Using quantitative urine drug levels to monitor adherence to chronic opioid therapy: a comparison across two pain populations

Russell Portenoy^a, Harry Leider^a, Ariel Linden^a, Kathryn Bronstein^a, Laura Dhingra^a, Helena Knotkova^a, Ricardo Cruciani^a Beth Israel Medical Center, New York, NY, USA, ^aAmeritox, Ltd., Baltimore, MD, USA, ^aLinden Consulting Group, LLC, Portland, OR, USA

53. Healthcare provider perspectives on managing pain in the geriatric population

Salma Lemtouni¹, Kevin Zacharoff², Karen Weiss¹, Synne Wing Venuti², Pravin Pant², Ryan Black² ¹US Food and Drug Administration's Safe Use Initiative, Washington, DC, USA, ²Inflexxion, Inc., Newton, MA, USA

54. The distribution of diazepam urinary metabolites in a sample of patients with chronic pain

Samantha O. Luk', Rabia S. Atayee¹², Joseph D. Ma¹², Brookie M. Best¹³, Amadeo J. Pesce⁴⁵
¹University of California, San Diego (UCSD) Skaggs School of Pharmacy and Pharmaceutical Sciences, La Jolla, CA, USA, ²Doris A. Howell Palliative Care Service, San Diego, CA, USA, ³UCSD Department of Pediatrics, Rady Children's Hospital, San Diego, CA, USA, ⁴Millennium Research Institute, San Diego, CA, USA, 5Department of Pathology and Laboratory Medicine, UCSD School of Medicine, La Jolla, CA, USA

55. A survey of ambulatory care pharmacist's perceptions and use of state controlled substance registries

Karen Marlowe^{1,2}, Emily MCCoy^{1,2}

¹Auburn University, Auburn, AL, USA, ²University of South Alabama, Mobile, AL, USA

56. Update on the safety of pharmaceutical-grade dimethyl sulfoxide as a penetration enhancer for diclofenac sodium topical solution

Jeffrey Patrick, Karrie Marren Covidien, Hazelwood, MO, USA

57. Provider adherence to an institution-wide opioid therapy policy for patients with chronic noncancer pain in the primary care setting

Michele Matthews¹², Alexander Tinios¹, Robert Jamison², Edgar Ross², Lori Tishler²

¹Massachusetts College of Pharmacy and Health Sciences, Boston, MA, USA, ²Brigham and Women's Hospital, Boston, MA, USA

58. Lifestyle Redesign[®] for Chronic Headaches

Susan McNulty, Soma Sahai-Srivastava

University of Southern California, Los Angeles, CA, USA

59. Will the FDA's REMS for opioids become an Emerging Solution in Pain (ESP)?

Bronwyn Boyes, Joan Meyer

MediCom Worldwide, Inc., Morrisville, PA, USA

60. Effectiveness of nonpharmacological/noninterventional CBT based treatment for chronic pain

Rick F. Meyers', Kathy Savick'è, Janice Veehuizen¹², Ed Daly¹, Steven-Tackett Nelson¹, Rebecca Ricoy¹¹Mid-Valley Pain Clinic, Salem, OR, USA, ²Behavioral Care Network, Salem, OR, USA, ³Oregon Health and Sciences University, Portland, OR, USA

61. A correlative study of the self-reported Ratings Determining Impairment Associated with Pain, from the AMA Guides Fifth Edition, and the clinician-derived Physical Performance Tests on Individuals with polytrauma history and with chronic pain: case series

Armando Miciano¹, Jacqueline Derhousoff¹, Chad Cross²

¹Nevada Rehabilitation Institute, Las Vegas, NV, USA, ²University of Nevada, Las Vegas, NV, USA

62. Direct medical costs of opioid management and the functional status of subjects with polytrauma history >two years and chronic noncancer pain: impact on healthcare utilization and life care planning Armando Miciano

Nevada Rehabilitation Institute, Las Vegas, NV, USA

63. Quantification of skeletal muscle mass by Bioelectric Impedance Analysis in elderly individuals with chronic nonmalignant pain and in asymptomatic individuals and its relationships among impairments in gait and balance, functional limitations, and disability

Armando Miciano

Nevada Rehabilitation Institute, Las Vegas, NV, USA

64. The functional status due to Pain-Related Impairments, according to the AMA Guides Sixth Edition, and the physical performance status of subjects with a >two-year polytrauma history and with a spine impairment: a descriptive case study

Armando Miciano¹, Chad Cross¹

¹Nevada Rehabilitation Institute, Las Vegas, NV, USA, 2University of Nevada, Las Vegas, NV, USA

65. Determining the functional status, according to the AMA Guides Sixth Edition, Pain-Related Impairment, and physical performance of community-dwelling adults with osteopenia and with lower extremity pain

Armando Miciano

Nevada Rehabilitation Institute, Las Vegas, NV, USA

66. Direct medical costs of pain specialist visits, the multimorbidity burden, pain-related impairment, and the physical performance on subjects with polytrauma history >two years and chronic nonmalignant pain: impact on life care planning

Armando Miciano

Nevada Rehabilitation Institute, Las Vegas, NV, USA

67. Occipital nerve radiofrequency ablation for occipital neuralgia and associated headaches: report of two special medical condition cases

Rafael Miguel, Christopher Russo

Pain Medicine Program, Department of Neurology, University of South Florida, Tampa, Florida, USA

68. Therapeutic monitoring of benzodiazepines in the population of patients treated for pain: current limitations of inoffice immunoassays necessitate testing by mass spectrometry to assure accuracy

Charles Mikel, Murray Rosenthal, Amadeo Pesce Millennium Research Institute, San Diego, CA, USA

69. Pain Paradox: clinician judgment for assessment and management of risks in chronic opioid therapy

James Miller, Howard A. Heit², Douglas Gourlay², John F. Peppin⁴, Carol Hampton⁵, Susan E. Miller¹

⁷Educational Awareness Solutions, Norwalk, CT, USA, ²Georgetown School of Medicine, Fairfax, VA, USA, ³Wasser Pain Management Center, Mount Sinai Hospital, Toronto, ON, Canada, ⁴The Pain Treatment Centers of the Bluegrass, Lexington, KY, USA, ⁵Research and Outcomes Institute, South Norwalk, CT, USA

70. Breakthrough cancer pain in patients treated with fentanyl sublingual tablets: posthoc analyses of treatment response

Srinivas Nalamachu', Richard L. Rauck', Ann Yellowlees', Greg Guillory', Julian Howell'

¹Mid America Physiatrists, PA, Leawood, Kansas, USA, ²Carolinas Pain Institute Center for Clinical Research, Winston-Salem, North Carolina, USA, ³Quantics Consulting Ltd, Roslin EH25 9TT, UK, ⁴ProStrakan, Inc., Bedminster, New Jersey, USA

71. Efficacy and safety of fentanyl buccal tablet compared with immediate-release oxycodone for the management of breakthrough pain in opioid-tolerant patients with chronic pain: a pooled analysis of two studies

Srinivas R. Nalamachu¹, Arvind Narayana², Craig Q. Earl², Ronghua Yang², Mark S. Wallace²

Mid-America Physiatrists, Overland Park, KS, USA, ²Cephalon, Inc., Frazer, PA, USA, ³University of California, San Diego, School of Medicine, La Jolla, CA, USA

72. The National Breakthrough Pain Survey (NBTPS): assessment of quality of life, functioning, and productivity

Arvind Narayana¹, Nathaniel Katz^{2,3}, Alicia C. Shillington⁴, Russell K. Portenoy⁵

²Cephalon, Inc., Frazer, PA, USA, ²Tufts University School of Medicine, Boston, MA, USA, ³Analgesic Solutions, Natick, MA, USA, ⁴EPI-Q, Inc., Oak Brook, IL, USA, ⁵Department of Pain Medicine and Palliative Care, Beth Israel Medical Center, New York, NY, USA

73. Aberrant drug-related behavior observed during a 12-week open-label study involving patients taking chronic opioid therapy for persistent pain and fentanyl buccal tablet or traditional short-acting opioid for breakthrough pain

Steven D. Passik, Craig Q. Eark, Ronghua Yang

¹Vanderbilt University Medical Center, Nashville, TN, USA, ²Cephalon, Inc., Frazer, PA, USA

74. Exploring the economic impact of a pre-evaluation unit in a multidisciplinary pain clinic

Kenneth L. Kirsh¹, Peter Wright^{1,2}, John F. Peppin^{1,2}

¹The Pain Treatment Center of the Bluegrass, Lexington, Kentucky, USA, ²Hospice of the Bluegrass, Lexington, Kentucky, USA, ³The University of Kentucky, Lexington, Kentucky, USA

75. Functional assessment of chronic pain patients in a multidisciplinary pain clinic

John F. Peppin^{1,2}, Steve Marcum⁴, Ashley Baughn³, Kenneth L. Kirsh³

¹The Pain Treatment Center of the Bluegrass, Clinical Research Division, Lexington, Kentucky, USA, ²Hospice of the Bluegrass, Lexington, Kentucky, USA, ³The Pain Treatment Center of the Bluegrass, Behavioral Medicine, Lexington, Kentucky, USA, ⁴The Pain Treatment Center of the Bluegrass, Physical Therapy Department, Lexington, Kentucky, USA

76. Effect of age and sex on the pharmacokinetics and metabolism of oxymorphone extended-release tablets

Joseph V. Pergolizzi[,] Matthew S. Wieman², Errol M. Gould²

¹Naples Anesthesia and Pain Associates, Naples, FL, USA, ²Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

77. Safety of oxymorphone extended release with selective serotonin reuptake inhibitors and serotonin-norepinephrine reuptake inhibitors

John H. Peniston¹, Susan Potts², Xiaojun Hu², Matthew S. Wieman²

¹Feasterville Family Health Care Center, Jamison, PA, USA, ²Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

78. Oxymorphone extended release in patients with depression

John H. Peniston¹, Susan Potts², Xiaojun Hu², Matthew S. Wieman²

Feasterville Family Health Care Center, Jamison, PA, USA, ²Endo Pharmaceuticals Inc., Chadds Ford, PA, USA

79. Effectiveness of a heated lidocaine/tetracaine topical patch in reducing pain intensity and pain interference associated with myofascial trigger points: results of an open-label pilot study

Richard Rauck', Michael Busch', Thomas Marriott', Michael Smith', James Heusner

¹Carolinas Pain Institute, Winston-Salem, NC, USA, ²ZARS Pharma, Salt Lake City, UT, USA

80. A model to identify patients at risk for prescription opioid abuse, dependence, and misuse

J. Bradford Rice[,] Alan G. White[,] Howard G. Birnbaum[,] Matthew B. Schiller[,] David A. Brown[,] Carl L. Roland[,]
[,]Analysis Group, Boston, MA, USA, [,]Pfizer, Inc., Cary, NC, USA

81. Safety and efficacy of once-daily hydromorphone ER (OROS hydromorphone ER) compared with twice-daily oxycodone CR over 52 weeks in patients with moderate to severe chronic noncancer pain

Ute Richarz', Sandra Waechter', Rainer Sabatowski², Leszek Szczepanski³, Heinrich Binsfeld⁴

¹Janssen-Cilag, Baar, Switzerland, ²University Hospital Carl Gustav Carus, Technical University, Dresden, Germany, ³Wyzsza Szkola Zarzadzania i Administracji, Zamosc, Poland, ⁴Schmerz-Zentrum am St. Franziskus Hospital Ahlen, Ahlen, Germany

82. Assessing a new educational strategy to improve postoperative pain management after discharge Gary A. Rich

Adherent Health, Doylestown, PA, USA

83. Physician risk assessment for opioid therapy in patients with chronic pain: results from a national survey

Gregory Salinas', Jill Foster', Stephen Burton', Nancy Roepke', Debi Susalka', Kimberly Evanyo' 'CE Outcomes, LLC, Birmingham, AL, USA, 'Janssen Scientific Affairs, LLC, Raritan, NJ, USA

84. Clinician/patient interactions and counseling on opioid use: results from a national survey

Gregory Salinas', Jill Foster', Stephen Burton', Nancy Roepke', Debi Susalka', Kimberly Evanyo' CE Outcomes, LLC, Birmingham, AL, USA, Janssen Scientific Affairs, LLC, Raritan, NJ, USA

85. Concurrent quantification of itch sensation and pain in patients with postherpetic neuralgia by PainVision

Hiroshi Sekiyama', Kazuo Hanaoka'², Takamichi Kogure', Kenji Azuma', Masahiko Sumitani', Yoshitsugu Yamada' 'Department of Anesthesiology, University of Tokyo, Tokyo, Japan, 'Department of Anesthesiology, Tokyo, Japan

86. Assessing the abuse potential of crushed EMBEDA® compared to crushed morphine sulfate controlled-release tablets and placebo in nondependent, recreational opioid users following intranasal administration

Beatrice Setnik¹, Jody Cleveland¹, Veeraindar Goli¹, Naama Levy-Cooperman², Ira Smith² ¹Pfizer Inc., Cary, NC, USA, ²Kendle Early Phase, Toronto, ON, Canada

87. Self reports of prescription opioid misuse, abuse and diversion in a sample of chronic pain patients treated in primary care settings: preliminary findings

Beatrice Setnik, David Brown, Carl Roland

Pfizer Inc., Cary, NC, USA

88. A biomarker panel to assess depression in pain patients

Joseph Shurman1, George Koob², Rosa Navarro³, Brett Shurman⁵, Katie Smith⁴, John Bilello⁴

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89. Ischemic ulcer pain includes not only nociceptive pain but neuropathic pain components, based on a discriminant function analysis using McGill Pain Questionnaire

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90. Prevalence of CYP450 drug-drug exposures among oxycodone CR patients

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91. Comparison of ECG and Holter monitoring QTc interval measurements in patients with increased risk for QTc prolongation

Arun Sundaram¹, Arash Nafiss², Paul Schweitzer¹, Ella Dvorkin¹, Peter Homel¹, Daniel Feldman¹, Russell Portenoy², Ricardo Cruciani²
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92. Usability of an experiential course to educate medical students in proper use of opioids in the treatment of pain

Bradley Tanner, Mary Metcalf, Susan Wilhelm Clinical Tools, Inc, Chapel Hill, NC, USA

Clinical Tools, Inc., Chaper Hill, N.C., USA

93. Improvement in sleep maintenance and early morning awakenings in adult and elderly patients with insomnia treated with doxepin 3 and 6 mg

Robert Taylori, Joseph Pergolizzi², H Heith Durrence³, Brian Dorsey³, Roberta Rogowski³, Thomas Rothi

¹NEMA Research Inc., Naples, FL, USA, ²Johns Hopkins University School of Medicine, Baltimore, MD, USA, ³Somaxon Pharmaceuticals, San Diego, CA, USA, ⁴Henry Ford Sleep Disorders Center, Detroit, MI, USA

94. Consistency of symptom improvement in elderly adults with chronic insomnia treated with doxepin 1 mg, 3 mg, and 6 mg

Robert Taylor', Joseph Pergolizzi², H Heith Durrence³, Roberta Rogowski³, Thomas Roth⁴

¹NEMA Research Inc, Naples, FL, USA, ²Johns Hopkins University School of Medicine, Baltimore, MD, USA, ²Somaxon Pharmaceuticals, San Diego, CA, USA, ⁴Henry Ford Sleep Disorders Center, Detroit, MI, USA

95. Topical corticosteroid administration by pulsed radiofrequency energy

Forest Tennant

Veract Intractable Pain Clinic, West Covina, CA, USA

96. Chorionic gonadotropin initial doses for intractable pain

Forest Tennant

Veract Intractable Pain Clinic, West Covina, CA, USA

97. Endocrine findings and serum opioid levels after 20 years of therapy

Forest Tennant

Veract Intractable Pain Clinic, West Covina, CA, USA

98. Weekly response following a single administration of Qutenza*, an 8% capsaicin patch, in patients with postherpetic neuralgia: results of integrated analyses

Lynn R. Webster', Gordon Irving', Miroslav Backonja', Jeffrey Tobias', Geertrui F. Vanhove'

LifeTree Clinical Research, Salt Lake City, UT, USA, Swedish Pain Center, Seattle, WA, USA, NeurogesX, San Mateo, CA, USA

99. Factors that may affect carisoprodol metabolism by cytochrome P450 (CYP) 2C19 in pain patients using urinary excretion data

Stephanie Tse¹, Rabia Atayee¹², Joseph Ma¹², Brookie Best¹³, Amadeo Pesce⁴⁵

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100. A repeat-dose, steady-state pharmacokinetic evaluation of once-daily hydromorphone ER (OROS hydromorphone ER) in patients with chronic cancer or noncancer pain

Joris Vandenbossche¹, Ute Richarz², Henry Richards³

Johnson & Johnson Pharmaceutical Research & Development, Beerse, Belgium, Janssen-Cilag, Baar, Switzerland, Johnson & Johnson Pharmaceutical Research & Development, Titusville, NJ, USA

101. Characterization of the pharmacokinetic profile of single-dose once-daily hydromorphone ER (OROS hydromorphone ER) vs IR hydromorphone administered over 24 hours in healthy subjects

Ute Richarz¹, Joris Vandenbossche², Michael Kutch³, Todd Moore⁴

¹Janssen-Cilag, Baar, Switzerland, ²Johnson & Johnson Pharmaceutical Research & Development, Beerse, Belgium, ³Applied Clinical Intelligence, Bala Cynwyd, PA, USA, ⁴Johnson & Johnson Pharmaceutical Research & Development, Titusville, NJ, USA

102. Characterization of the steady-state pharmacokinetic profile of once-daily hydromorphone ER (OROS hydromorphone ER) vs IR hydromorphone in healthy subjects

Ute Richarz¹, Joris Vandenbossche², Michael Kutch³, Todd Moore⁴

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103. TD-1211 demonstrates peripheral selectivity and constipation-relieving effects in patients with opioid-induced constipation

Ross Vickery1, Yu-Ping Li¹, Roger Kohler¹, Lynn Webster², Neil Singla³, Oranee Daniels¹

Theravance, Inc., South San Francisco, CA, USA, Lifetree Clinical Research, Inc., Salt Lake City, UT, USA, Lotus Clinical Research, Inc., Pasadena, CA, USA

104. The impact of health literacy on chronic pain

Julie Waldfogel, Meredith Adams, Robert Hurley University of Florida, Gainesville, Florida, USA

105. Butrans[®] (buprenorphine) transdermal system (BTDS) improves health-related quality of life in patients with moderateto-severe chronic low back pain

Aaron Yarlas', Warren Wen², Maribeth Kowalski², Shau Yu Lynch², Bradley Dain², Steven Ripa² QualityMetric, Inc., Lincoln, RI, USA, ²Purdue Pharma LP, Stamford, CT, USA

106. Butrans® (buprenorphine) Transdermal System (BTDS) improves sleep quality and reduces sleep problems in patients with moderate-to-severe chronic low back pain

Aaron Yarlas', Warren Wen², Maribeth Kowalski², Shau Yu Lynch², Bradley Dain², Steven Ripa²

¹QualityMetric, Inc., Lincoln, RI, USA, ²Purdue Pharma LP, Stamford, CT, USA

107. Observations on the urinary metabolic profile of codeine in patients with chronic pain

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108. painACTION.com: Web-based support to self-manage neuropathic pain

Kevin Zacharoff, Jonas Bromberg, Synne Venuti, Mollie Wood, Dan Surette Inflexxion, Inc., Newton, MA, USA

109. Survey of healthcare providers on clinical technology and transition to electronic opioid risk assessments

K.L. Zacharoff, S.F. Butler, M. Wood, S. Charity, S. Budman Inflexxion, Inc, Newton, MA, USA

110. Pharmacokinetic interaction between the opioid-analgesic fentanyl and the CYP3A inhibitor ketoconazole

Victoria Ziesenitz¹, Sonja Koenig¹, Nina Mahlke², Gisela Skopp², Juergen Burhenne¹, Gerd Mikus¹

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111. Observations of oxycodone coprescriptions and nonreported prescription medications in a population of those with chronic pain

Elizabeth Gonzales, Murray Rosenthal, Amadeo Pesce, Charles Mikel, Robert West, Cameron West, Sergey Latyshev, Perla Almazan Millennium Research Institute, San Diego, USA

112. Variability of meperidine metabolism and excretion in patients with chronic pain

Kathleen Moy, Rabia Atayee^{1,2}, Joseph Ma^{1,2}, Brookie Best^{1,3}, Amadeo Pesce^{4,5}

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