



Pain Measurement Scales: Current Issues and Future Direction

*Salons F & G
Bethesda North Marriott Hotel and Conference Center
Bethesda, Maryland*

Wednesday, January 27, 2010

DRAFT Agenda

Objective

Over 50 million Americans suffer from chronic pain. While the self-report instruments commonly used in research and the clinic manifest evidence for within-subject validity, the variability of self reports and the greater between-subject variability makes their use in defining inter-individual differences in both traits of pain responsiveness and momentary pain state difficult. This workshop will review the utility, limits and potential improvement of commonly used pain scales/measurements, address the use and validation of biomarkers in the assessment of pain traits and states, as well as the transition from acute to chronic pain, and discuss the impact of patient characteristics on individual-to-individual variations in pain perception, responses and therapeutic outcomes. Improved validity of pain scales, especially those that securely define individual-to-individual differences and comparisons of pain responses would facilitate research in laboratory and clinical trial settings and in the treatment of pain. Given that pain is of interest to many NIH Institutes and Centers (ICs), it is envisioned that this meeting will lay the groundwork for advancing future research on pain and analgesia.

7:15 – 8:15 a.m. Registration

8:15 – 8:30 a.m. Opening Remarks
Nora D. Volkow, M.D.
Director
National Institute on Drug Abuse

Introduction
Yu “Woody” Lin, M.D, Ph.D.
National Institute on Drug Abuse

8:35 – 9:05 a.m. **Current Issues and Challenges in Pain Measurement: An Overview**
Raymond Dionne, D.D.S., Ph.D
National Institute of Nursing Research

Theme A: The Subjective Nature of Pain Experience

Session One: Chronic Pain Assessment for Therapeutics Development

Moderator
Wendy Smith, Ph.D.
NIH Clinical Center

9:05 – 9:25 a.m. **Total Pain: Physical-Psychosocial- Spiritual Dimensions**
Anne Berger, M.D.
NIH Clinical Center

9:25 – 9:45 a.m. **IMMPACT Recommendations for Assessing, Analyzing, and Interpreting Chronic Pain Clinical Trial Outcomes**
Robert Dworkin, Ph.D.
University of Rochester

9:45 – 10:05 a.m. **Patient-Reported Outcomes Measurement Information Systems® - NIH Roadmap Initiative**
James Witter, M.D., Ph.D.
National Institute of Arthritis and Musculoskeletal and Skin Diseases

10:05 – 10:20 a.m. *Break*

Session Two: Chronic Pain Assessment in Primary Care Settings and Special Populations

Moderator
Audrey Kusiak, Ph.D.
Department of Veterans Affairs

10:20 – 10:40 a.m. **Insights from the Experience of Routine Pain Screening**
Karl Lorenz, M.D., M.S.H.S.
Department of Veterans Affairs - Greater Los Angeles

10:40 – 11:00 a.m. **Challenges of Pain Assessment after Neurotrauma**
Eva Widerström-Noga, D.D.S., Ph.D.
Department of Veterans Affairs - Miami

11:00 – 11:20 a.m. Chronic Pain Assessment - VA Perspectives
Robert Kerns, Ph.D.
Department of Veterans Affairs - Connecticut

11:20 – 12:30 p.m. Panel Discussion
Linda Bartoshuk, Ph.D., Daniel Clauw, M.D., Raymond Dionne, D.D.S., Ph.D., Robert Dworkin, Ph.D., Ellen Fields, M.D., Jennifer Haythornthwait, Ph.D., Sharon Hertz, M.D., Laura Lee Johnson, Ph.D., Robert Kerns, Ph.D., Karl Lorenz, M.D., M.S.H.S., Robert Rappaport, M.D., Robert Shibuya, M.D., Ajay Wasan, M.D., M.Sc., Eva Widerström-Noga, D.D.S., Ph.D., James Witter, M.D., Ph.D., Jon-Kar Zubieta, M.D., Ph.D.

Moderator
Robert Dworkin, Ph.D.
University of Rochester

12:30 – 1:30 p.m. Lunch (On Your Own)

Theme B: The Objective Measurement and Comparison of Between-subject Variation in Pain

Session Three: Biomarkers for Acute, Chronic Pain and its Transition

Moderator
Raymond Dionne, D.D.S., Ph.D.
National Institute of Nursing Research

1:30 – 2:00 p.m. Inter-individual Variation in Sustained Pain Responsiveness and Regulation: Distributed Systems and Overlap with Motivational Mechanisms
Jon-Kar Zubieta, M.D., Ph.D.
University of Michigan

2:00 – 2:20 p.m. Predicting Subjective Pain from Patterns of fMRI Activity
Tor Wager, Ph.D.
University of Colorado

2:20 – 2:40 p.m. Can Changes in Endogenous Pain Modulatory Systems Serve as Biomarkers for Acute and Chronic Pain and its Transition?
Stephen Bruehl, Ph.D.
Vanderbilt University School of Medicine

Session Four: The Comparison of Between-subject Variation in Pain Perception, Responses and Therapeutic Outcomes

Moderators

*Yu “Woody” Lin, M.D., Ph.D.
National Institute on Drug Abuse*

*David Thomas, Ph.D.
National Institute on Drug Abuse*

2:40 – 3:00 p.m. **Biological Reasons for Inter-individual Differences in Pain Sensitivity- Lessons Learned from “Central” Pain States**
*Daniel Clauw, M.D.
University of Michigan*

3:00 – 3:20 p.m. **Pain Scales for Valid Across-subject/ Group Comparisons: Can We Do Better?**
*Linda Bartoshuk, Ph.D.
University of Florida Center for Smell and Taste*

3:20 – 3:35 p.m. ***Break***

3:35 – 5:00 p.m. **Roundtable Discussion Panel**
Linda Bartoshuk, Ph.D., Stephen Bruehl, Ph.D., Daniel Clauw, M.D., Raymond Dionne, D.D.S., Ph.D., Robert Dworkin, Ph.D., Ellen Fields, M.D., Jennifer Haythornthwait, Ph.D., Sharon Hertz, M.D., Laura Lee Johnson, Ph.D., Robert Kerns, Ph.D., Karl Lorenz, M.D., Jianren Mao, M.D., Ph.D., Robert Rappaport, M.D., Robert Shibuya, M.D., Tor Wager, Ph.D., Ajay Wasan, M.D., M.Sc., Eva Widerström-Noga, D.D.S., Ph.D., Jon-Kar Zubieta, M.D., Ph.D.

*Moderator
Jon-Kar Zubieta, M.D.
University of Michigan*

5:00 p.m. ***Adjournment***