Committee on Temporomandibular Disorders (TMD): From Research Discoveries to Clinical Treatment

The National Academies
Keck Center – E Street Conference Room
500 Fifth St. NW
Washington, DC 20001

WORKSHOP AGENDA

Thursday, March 28, 2019

OPEN SESSION – PUBLIC WORKSHOP

8:30 – 8:45 am  Welcome and Opening Remarks
Queta Bond, Committee Chair

PANEL 1: TMD SCOPE AND DEFINITIONS

Objectives:
• Explore the science and mechanisms of TMD.
• Identify similarities and differences between TMD and other chronic pain conditions.
• Discuss definitions of TMD and next steps in defining and categorizing TMD.
• Receive suggestions from panelists for improving the definition of TMD.

Panel Chair:
Richard Ohrbach, University of Buffalo, committee member

8:45 – 9:30 am  Patient perspective
• Jennifer Feldman, individual with TMD

Defining TMD for clinical care
• Dan Clauw, University of Michigan
• Bill Maixner, Duke University

9:30 – 10:00 am  Discussion with the committee

10:00 – 10:15 am  Break
PANEL 2: PUBLIC HEALTH BURDEN OF TMD

Objectives:
- Explore the public health significance of TMDs, including prevalence, incidence, burden and costs – what is known and not known?
- Identify current national or regional surveys or other data resources that contain information on TMD.
- Consider the challenges to data collection and reliability in estimating the public health impact of TMD.
- Explore TMD and disability classifications.
- Receive suggestions from panelists for improving knowledge about the public health burden of TMD.

Panel Chair: Robert Weyant, University of Pittsburgh, Committee Member

10:15 – 11:00am Patient perspective
- Tricia Kalinowski, individual with TMD

Studying the public health impact of TMD
- Gary Slade, University of North Carolina
- James Fricton, University of Minnesota [remote presentation]

11:00am – 11:30am Discussion with the committee

11:30am – 12:30pm Lunch (Keck Atrium)

PANEL 3: TMD RESEARCH – BASIC & PRECLINICAL

Objectives:
- Discuss similarities and differences among mechanisms of TMD pain and other chronic pain conditions.
- Explore the state of basic and preclinical TMD science.
- Identify research gaps and future directions and priorities.
- Receive suggestions from panelists for improving TMD basic and preclinical research.

Panel Chair: Kathleen Sluka, University of Iowa, Committee Member

12:30 – 12:45pm Overview of TMD science and research from an NIH perspective
- Yolanda Vallejo, Director, Neuroscience of Orofacial Pain and Temporomandibular Disorders Program, National Institute of Dental and Craniofacial Research, NIH

12:45 – 1:00pm Discussion with the committee
1:00pm – 2:00pm  Future Directions for Basic & Preclinical TMD Research

Patient perspective
  •  Lisa Schmidt, individual with TMD

Neuroimmunology and transitioning from acute to chronic pain
  •  Annemieke Kavelaars, MD Anderson [remote presentation]

Utility of animal models for TMD and orofacial pain
  •  Ke Ren, University of Maryland

TMD research over the years – gaps and future priorities
  •  Allen Cowley, Medical College of Wisconsin

2:00 – 2:30pm  Discussion with the committee

2:30 – 2:45pm  Break

2:45 – 3:00pm  Ontology of orofacial pain to improve patient care
  Moderated by Richard Ohrbach

  •  Werner Ceusters, University at Buffalo [remote presentation]

3:00 – 3:15pm  Discussion with the committee

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**PANEL 4: TMD RESEARCH – CLINICAL & TRANSLATIONAL**

**Objectives:**
- Discuss similarities and differences among mechanisms of TMD pain and other chronic pain conditions.
- Explore the state of clinical and translational TMD science.
- Identify research gaps and future directions and priorities.
- Receive suggestions from panelists for improving TMD clinical and translational research and treatment.

Panel Chair: Roger Fillingim, University of Florida, Committee Member

3:15 – 3:30pm  Overview of evidence base for current TMD treatments

  •  Mark Drangsholt, University of Washington

3:30 – 3:45pm  Discussion with the committee
3:45 – 4:45pm  Future directions for clinical & translational TMD research

Caregiver perspective
- Michelle and Alexandra Reardon, family member and patient

Complementary and integrative health approaches
- Helene Langevin, National Center for Complementary and Integrative Health, NIH

Neuroimaging research in TMD
- Alexandre DaSilva, University of Michigan

Lessons learned from advancements in orthopedics
- Constance Chu, Stanford University [remote participation]

4:45 – 5:15pm  Discussion with the committee

5:15 – 6:15pm  Public comments by registered speakers (3 – 5 minutes each)
    Moderators: Queta Bond and Sean Mackey

6:15pm  Day 1 Public Session Adjourns

Friday, March 29, 2019

OPEN SESSION – PUBLIC WORKSHOP

8:30 – 8:40am  Welcome and Opening Remarks
    Queta Bond, Committee Chair

PANEL 5: TMD CARE PATHWAYS

Objectives:
- Discuss current TMD treatments and standards of care – what is known about their effectiveness?
- Explore the current pathways and practitioners TMD patients use to receive care and recommend improved pathways.
- Explore the separation of dental and medical practice in the United States and implications for TMD patient care.
- Receive suggestions from panelists as to how future TMD care can be improved.

Panel Chair:
    David Deitz, David Deitz and Associates, Committee Member
8:40 – 9:10am Improving TMD care pathways

TMD care pathways – a UK perspective
  o Justin Durham, Newcastle University [remote participation]

TMD care pathways – a patient perspective
  o Adriana van Ineveld, individual with TMD

9:10 – 10:00am Improving TMD care pathways – roles of dentistry and medicine
  o American Dental Association
    ▪ Deepak Kademani, North Memorial Medical Center [remote participation]
  o American Association of Oral and Maxillofacial Surgeons
    ▪ Gary Bouloux, Emory University School of Medicine
    ▪ Gregory Ness, Ohio State University College of Dentistry
  o American Association of Public Health Dentistry
    ▪ Hong Chen, University of Iowa College of Dentistry and Dental Clinics [remote participation]
  o American Academy of Pain Medicine
    ▪ Meredith Barad, Stanford University [remote participation]
  o Aetna Inc.
    ▪ Jeffrey Livovich, Aetna Inc. [remote participation]

10:00 – 10:30am Discussion with the committee

10:30 – 11:30am Public comments by registered, remote speakers (3 – 5 minutes each)
  Moderators: Queta Bond and Sean Mackey

11:30am Public Session Adjourns