



## The MDEpiNet TMJ RoundTable

June 16, 2016

### GOALS

- 1. Develop outcome assessment and reporting tools based on patient input:**
  - a. Listen to and understand the range of experiences of Temporomandibular Disorders (TMD/TMJ) patients.
  - b. Discuss methods for developing scientifically valid patient reported outcome measures and patient preference tools
  - c. Desired immediate outcomes:
    - i. Develop multidisciplinary Working Group to address this goal
    - ii. Identify initial outcome assessment tools necessary to capture patient-centered outcomes
  
- 2. Explore the multidisciplinary intersection of patient biology, anatomy, genetics, physiology with TMJ medical devices, and clinical patient-centered outcomes to better target therapies toward patients who are most likely to benefit from them**
  - a. Discuss the natural history of TMJ disorders, with attention to initial clinical manifestation, molecular pathways, hormone-related modification, neurological, immunological and other systemic presentations, role of co-morbidities, and possible drug/device-related side effects and adverse events;
  - b. Identify opportunities for leveraging knowledge gained from similar efforts in other clinical specialties
  - c. Desired immediate outcomes:
    - i. Develop multidisciplinary Working Groups to address this goal
    - ii. Establish state of molecular and clinical science related to TMD underlying conditions and medical device/drug-related treatment outcomes
    - iii. Identify evidence gaps that may affect clinical and regulatory decision-making
    - iv. Identify pre-existing data and resources available for data mining and in silico research aimed at improving patient outcomes
    - v. Perform pilot analyses using these resources
  
- 3. Develop evidence to incorporate patient-centered data into clinical care:**
  - a. Discuss the pathways leading to new TMD treatments by generating patient-centered and scientifically-valid evidence on the TMDs and treatment outcomes;
  - b. Identify mechanisms for patient involvement into the development of decision support paradigms
  - c. Desired immediate outcomes:
    - i. Develop multidisciplinary Working Groups to address this goal
    - ii. Systematic literature review of clinical decision tree for TMD treatments
    - iii. Identify specific gaps in evidence-based medicine and develop measures for enhancing patient engagement and thus supporting clinical decision tree
    - iv. Identify mechanisms for continuous, systematic collection of comprehensive, robust, and reliable real-world data reflecting the disease history, course of treatment, and patient outcomes