## Committee on Energy and Commerce

U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

| 1.  | Your Name: R. Corey Waller, MD, MS  |         |      |         |  |
|---|---|---------|------|---------|--|
| 2.  | Your Title: Chair, Legislative Action Committee, ASAM, Director, Spectrum Health<br>Center for Integrative Medicine   |         |      |         |  |
| 3.  | The Entity(ies) You are Representing: ASAM, Spectrum Health   |         |      |         |  |
|   | Are you testifying on behalf of the Federal, or a State or loc government entity?   |         | Yes  | No<br>X |  |
| 5.  | 5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the subject matter of the hearing must be listed.  None |         |      |         |  |
| 6. Please attach your curriculum vitae to your completed disclosure form. |   |         |      |         |  |
| Si  | ignature:   | Date:10 | 0-16 | 1-15    |  |



# R. Corey Waller MD, MS

### Education

| Education   |  |
|---|--|
| University of Texas Health Science Center   | San Antonio, TX  |
| Medical Doctor  | May 2003   |
| <ul> <li>Excellence in Emergency Medicine SAEM, 2004</li> <li>Outstanding Student Researcher, 2001</li> </ul>   |  |
| Southwest Texas State University  | San Marcos, TX   |
| Master of Science— Biology, Neuromolecular Focus  | May 1999   |
| <ul> <li>Boron USA Research Scholarship, 1998</li> </ul>  |  |
| <ul> <li>First Prize: Graduate Level Research Poster, 1998</li> </ul>   |  |
| Bachelor of Science—Biology   | May 1995   |
| <ul> <li>Premier Muscular Dystrophy Association Fundraiser, 1994</li> <li>Outstanding Student Athlete, 1992</li> </ul>  |  |
| Residency   |  |
| Thomas Jefferson University   | Philadelphia, PA   |
| Department of Emergency Medicine  | June 2006  |
| ABEM Board Certification  Gli 6 B. id. 2005 2006  | June 2008  |
| <ul><li>Chief Resident 2005-2006</li><li>Intern of the Year Award, 2004</li></ul>   |  |
| Specialty Training  |  |
| American Board of Addiction Medicine (ABEM)   | Grand Rapids, MI   |
| Board certification in Addiction Medicine   | December 2010  |
| Professional Work Experience  |  |
| Associate Clinical Professor of Medicine – Michigan State University  |  |
| President, Michigan Society of Addiction Medicine   | 2015   |
| Medical Staff Chief, Division of Pain Management for Spectrum Health  Provided the Chief Ch | 2012 – Present   |
| Director of Center for Integrative Medicine Clinic  Director of Secretary Health Medical Group Investigat Addiction Medicine  | 2011 – Present   |
| <ul> <li>Director of Spectrum Health Medical Group Inpatient Addiction Medicine</li> <li>Substance Use/Abuse Medical Director for Lake Shore Regional Community</li> </ul>  | 2011 – Present<br>2011 – Present   |
| Mental Health   | 2011 – 1 Tesent  |
| <ul> <li>Chairman West Michigan Super Utilizer Coordinating Agency</li> </ul>   | 2009 – Present   |
|   |  |
| <ul> <li>Interdisciplinary Education Coordinator EM Residency</li> </ul>  | 2009 – Present   |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> </ul>  | 2006 - Present   |
|   |  |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care</li> </ul>   | 2006 - Present   |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> </ul>   | 2006 - Present   |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> </ul> Residency   | 2006 – Present<br>2006 – 2011  |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> <li>Residency</li> <li>Ethics Committee, Thomas Jefferson Hospital</li> <li>Bioterrorism Preparedness Board, Philadelphia, PA</li> <li>Instructor for WMD / Antiterrorism training</li> </ul>   | 2006 - Present<br>2006 - 2011<br>2005 - 2006<br>2005 - 2006<br>2004 - 2006   |
| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> <li>Residency</li> <li>Ethics Committee, Thomas Jefferson Hospital</li> <li>Bioterrorism Preparedness Board, Philadelphia, PA</li> </ul>  | 2006 – Present<br>2006 – 2011<br>2005 – 2006<br>2005 – 2006  |
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| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> <li>Residency         <ul> <li>Ethics Committee, Thomas Jefferson Hospital</li> <li>Bioterrorism Preparedness Board, Philadelphia, PA</li> <li>Instructor for WMD / Antiterrorism training</li> <li>Instructor for EMS, ACLS, PALS and ATLS instructor</li> </ul> </li> <li>Medical School         <ul> <li>TA and Prosector for Dental Gross Head and Neck Anatomy</li> </ul> </li> </ul>  | 2006 - Present<br>2006 - 2011<br>2005 - 2006<br>2005 - 2006<br>2004 - 2006<br>2003 - 2006<br>2000 - 2001                               |
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| <ul> <li>Medical Director Grand Rapids Police Department SWAT</li> <li>Clinical Assistant Professor of Emergency Medicine for Emergency Care Specialists</li> <li>Residency         <ul> <li>Ethics Committee, Thomas Jefferson Hospital</li> <li>Bioterrorism Preparedness Board, Philadelphia, PA</li> <li>Instructor for WMD / Antiterrorism training</li> <li>Instructor for EMS, ACLS, PALS and ATLS instructor</li> </ul> </li> <li>Medical School         <ul> <li>TA and Prosector for Dental Gross Head and Neck Anatomy</li> <li>Instructor for Applied physiology dog lab</li> </ul> </li> </ul>   | 2006 - Present<br>2006 - 2011<br>2005 - 2006<br>2005 - 2006<br>2004 - 2006<br>2003 - 2006<br>2000 - 2001<br>Spring 2001                |

**Special Training** 

| Special Framing   |                      |
|---|----------------------|
| Performance Measure Development, Testing and Implementation                           | 2014                 |
| Lean-Six Sigma  | 2013                 |
| Federal and State Health Policy Development   | 2013                 |
| Directed media training   | 2013                 |
| • Graduate training in Hospital Finance (40 hours)                                    | 2013                 |
| <ul> <li>Tactical Law Enforcement Medicine, DHS/Federal Protection Service</li> </ul> | 2010                 |
| • Buprenorphine/Methadone trained and certified by the State of Michigan #5304000684  | 2010                 |
| Ultrasound guided intervention of pain  | 2013                 |
| Wilderness and Travel Medicine  | 2002 – 2004          |
| Memberships and Affiliations  |                      |
| American Academy of Pain Medicine   | 2010 - Present       |
| American Society for Addiction Medicine   | 2010 – Present       |
| Michigan ACEP   | 2003 – Present       |
| American College of Emergency Physicians  | 2002 – Present       |
| Wilderness Medical Society  | 2002 – Present       |
| Licensure   |                      |
| • MD 4301087247   | Expires Jan 31, 2016 |
| • DEA BW9602815   | Expires May 31, 2016 |
| • DEA XW9602815 /100  | Expires May 31, 2016 |
| MI Controlled Substance Registration  | Expires May 31, 2016 |
| Certifications  |                      |
| Tactical EMT/Physician (DHS)  | 2005 - 2015          |
| ATLS Instructor   | 2003 - 2010          |
| PALS Instructor   | 1998 – 2010          |
| ACLS Instructor   | 1995 – 2010          |
| Grants  |                      |
| Robert Wood Johnson Foundation \$768,98   | 34 2014              |
| Robert Wood Johnson Foundation     \$200,00   |                      |
| • Veterans Administration Research 1,00   | 10                   |
|   | 2001                 |
| ,   |                      |
| • Dorothy Coker Research Grant \$5,00   | 1998                 |
| Educational Development   |                      |
|   |                      |

- Development of Addiction, Pain and Psychiatric curriculum for National Website (Complex.Care)
- Development of addiction curriculum for Spectrum Health Care Management department
- Development of 8 lecture series on Chronic Pain and Addiction for education GRMEP residents
- Development of Ballistics and Wilderness Medicine practical laboratory for residents
- Completed redevelopment of Trauma Curriculum including a 200-page study manual
- Quarterly lecture series for community on medical access; topics range from race to diabetes
- Interdisciplinary Education Coordinator for EM residency, developed educational plans for teaching and evaluation of all off service rotations for EM residents

### **Research Experience**

#### I. Peer Reviewed Publications

- R. Corey Waller, Raymond Neff. "Financial and Medical Impact of the ED Super-Utilizer" To be submitted to JAMA November 2015.
- R. Corey Waller, Debra Feakes, J. Spindler, G. Southard and G. Aron. "Investigations of Toxicity and Uptake of Liposomaly Encapsulated Na<sub>4</sub>B<sub>20</sub>H<sub>17</sub>SH"; Frontiers in Neutron Capture Therapy. September 1999
- R. CoreyWaller, Debra Feakes and Jennifer Spindler. "Protein Binding Studies of Na<sub>4</sub>B<sub>20</sub>H<sub>17</sub>SH and Na<sub>2</sub>B<sub>20</sub>H<sub>18</sub>"; Frontiers in Neutron Capture therapy. September 1999.
- Debra A. Feakes, <u>R. Corey Waller</u>, Deborah K. Hathaway, and Veronica S.Morton. "Synthesis and *In* Vivo Murine Evaluation of Na4[a2-B20H17SH] as a Potential Agent for Boron Neutron Capture Therapy"; Proc. Natl. Acad. Sci. USA; 96, pp. 6406-6410. May 1999.

#### II. Chapters

- Waller, R. Corey (2015) Consent and Confidentiality Issues in Addiction Practice, Abigail Herron 2<sup>nd</sup> edition of *The ASAM Essentials of Addiction Medicine*. Wolters Kluwer Health.
- Waller, R. Corey (2016) Preoperative and Perioperative pain treatment in patients with high opioid tolerance and/or addiction, Pain and Addiction Common Threads. Wolters Kluwer Health.
- Waller, R. Corey (2016) Use of Ketamine as an Adjunctive or Primary Pain Medication, Pain and Addiction Common Threads. Wolters Kluwer Health.

#### III. Guidelines

- Waller, R. Corey (2014) Medication Assisted Treatment Guidelines for Opioid Use Disorders, Adopted by the State of Michigan 2014
- Waller, R. Corey (2015)Integrated Treatment of Alcohol Use disorders, Expected October 2015 for the State of Michigan

#### IV. Review Articles

• R. Corey Waller and Sonia Angelo. "Diabetic Emergencies" EM reports December 2005

#### V. Abstracts

"Synthesis of Redox-Switchable Bis-Calix-arene Caged Molecules" M. T. Blanda, S.Horton, L. Black, <u>R. C. Waller</u>. Third International Calix-Arene Conference in Fort Worth, TX., 1995

#### VI. Thesis

• "Synthesis and Evaluation of Polyhedral Borane Anions for Potential Application in the Boron Neutron Capture Therapy of Cancer" R. Corey Waller, May 1999.

#### VII. Text

- Emergency Medicine Residency Trauma Curricula, R. Corey Waller MD, MS GR-MEP 2010
- Vertebrate Physiology 3458 Lab Manual, R. Corey Waller and Paul Rosenblum. SWT publishing, San Marcos, TX. 1998

#### VIII.Poster Presentations

- Biopsychosocial High and Low Frequency Intervention of High Frequency Emergency Department Utilizers, R. Corey Waller MD, MS. American College of Emergency Medicine, San Francisco, CA. 2011
- "High and Low Frequency Emergency Department Utilizers: A Comparative Analysis of Morbidity, Diagnostic Testing, and Health Care Costs," J. Adam Oostema, MD; John Troost, BS; Kathryn Schurr, BS; R. Corey Waller, MD, MS. American College of Emergency Medicine, San Francisco, CA. 2011
- "Trauma Patients Negatively Impact the Care of Acute Chest Pain Patients in Common Resuscitation Areas," C. Waller MS, D. Dent MD, C. Davis MD, R. Greene PhD, J. Myers MD, R. Stewart MD. Society of Critical Care Medicine Forum, San Diego, CA. 2002

#### IX. Oral Presentations at National Meetings (abridged)

- "Investigation of the Intracellular Localization and Binding of Polyhedral Borane Compounds" \*R. Corey Waller and Debra Feakes. Eighth International Symposium on Neutron Capture Therapy for cancer, 1998
- "Evaluation of the Binding of Polyhedral Borane Compounds to Intracellular Protein Moietes and Monomeric Amino Acids" \*R. Corey Waller and Debra Feakes. Boron USA in Athens, Georgia, 1998
- "The Pharmacokinetics of Compounds Used in BNCT for the Treatment of Cancer" \*R. Corey Waller and Debra A. Feakes. SWT Colloquium for Biological Research, 1998
- "Population Based Data and Cost Analysis of Super-Utilizers" RWJF National Summit on Super-Utilizer Science
- "When Opioids Fail" American Society of Addiction Medicine Annual Meeting (ASAM) 2013
- "Core-REMs Presentation Faculty" Pain and Addiction, Common Threads; ASAM 2013
- "Super-Utilizers Cost and Integrated Pathways" State of Michigan Population Health Colloquium National Meeting
- "Risk Evaluation and Mitigation Strategies (REMS): ER/LA Opioids" CSAM 2013
- "Marijuana, Medical Ramifications of Legalization" ASAM State of the Art, 2013
- "Prescription Medication Abuse" Canadian Society Of Addiction Medicine National Conference (2014)
- Medication Assisted Treatment in the Criminal Justice Setting, National TASC Conference (2015)
- Integrated Care for the Nation's Most Expensive Patients, National Counsel on Behavioral Health (2015)

#### VIII. Invited Lectures (abridged)

Medicaid Managed Care Innovations Learning Collaborative

• Targeting Super-Utilizers – The Provider Perspective

#### Kent County Community Mental Health Annual Meeting

• Keynote- Medication Assisted Treatment for Addiction

#### Spectrum Health System Leadership conference

• Keynote- How to Change Culture in a Large System

#### Munson Community Hospital Grand Rounds

- Integrated Approach to Medicine
- Medical Marijuana and the Law
- When Opioids Fail

#### Marijuana, Current Trends in Pain and Addiction

• Treating Complicated Pain in a Primary Care Setting

#### Robert Wood Johnson Foundation (RWJF)

• National Super-Utilizer Meeting 2014 and invited 2015

#### Neuroscience Grand Rounds

- Neurobiology of Addiction
- Interventional Strategies for Refractory Pain
- Opioid Use in the at-risk population

#### Blodgett Hospital Grand Rounds

- Neurobiology of Pain and Addiction
- Yellow Fever
- Dengue Hemorrhagic Fever

#### Pain Medicine in the Complex Patient Conference at St Mary's Hospital

• Interaction of Addiction and Chronic Pain in the Frequent Flyer

#### VIII. Current Active Research Interests

- Understanding the medical, personal and financial impact of the ED high frequency utilizer on society
- A population health approach to addiction treatment
- Development of a bioinformatics network with the capability to evaluate and help direct resources' to underserved populations in Michigan.
- Factors modifying severity of Neonatal Abstinence Syndrome
- Development of a "Benzodiazepine Abated" Alcohol withdrawal pathway
- Effective Educational Pathways for non-medical professionals who treat patients with addiction

#### IX. Committees

American Society of Addiction Medicine (ASAM)

- Chair, PIPMAG Performance Measures Panel of Experts
- Chair- Legislative Advocacy Committee
- Member, Medical Education Committee
- Director, Pain and Addiction Common Threads Course
- Co-Director, Risk Evaluation and Mitigation Strategies (REMS): ER/LA Opioids

#### American Board of Addiction Medicine

• Member, Continuing Education Committee

#### American Academy of Pain Medicine

• Member, Research Committee

#### Michigan Hospital Association

• Member, Health policy Committee

#### Michigan Department of Community Health

• Lead Physician, Medication Assisted Treatment Workgroup

#### Spectrum Health Hospitals

- Community Medicine Steering Committee
- SH Representative for Michigan Hospital Association Safety and Quality initiative
- Super-Utilizer Committee