



Paralyzed Veterans  
of America

# Summit 2017+Expo

**Summit 2017: Delivering  
Excellence Achieving State-  
of-the-Art Healthcare**

## Gaylord National Resort & Convention Center: August 29 – 31, 2017

### MONDAY August 28, 2017

#### CONFERENCE WORKSHOPS

**AIS (ASIA) Scale 101**  
Kenneth Lee, MD  
*TRACK ONE – NATIONAL HARBOR 2*

**3:00-5:00pm** **"Why SCI/D Nursing?" Recruit and Retain Talent in SCI/D Nursing**  
Lana McKenzie, RN, MHA, CCM and Jennifer Gaoteote, RN  
*TRACK TWO – NATIONAL HARBOR 3*

**ALS Custom Configuration Options: A Hands on Opportunity**  
Steve Mitchell, OTR/L  
*TRACK THREE – NATIONAL HARBOR 10*

**5:00-7:30pm** **Meet and Greet Expo Reception**  
*PRINCE GEORGE'S EXHIBIT HALL B*

### TUESDAY August 29, 2017

**7:00-7:45 am** **Continental Breakfast Provided**  
*MARYLAND BALLROOM FOYER*

**7:45-8:00 am** **Opening Remarks**  
*MARYLAND BALLROOM B*  
PVA Leadership

**8:00-8:15 am** **Advocacy-Clinical Excellence Awards**  
*MARYLAND BALLROOM B*  
Lana McKenzie, RN, MHA, CCM, Associate Executive Director, Paralyzed Veterans of America  
Paul Gutierrez, MD, MS, Summit Program Committee Chair

**8:15-9:15 am** **Plenary Session:**  
*MARYLAND BALLROOM B*  
**(1701) Neurotechnology: Bridging the Gap between Mind and Machine**  
(60 minutes)  
Justin Sanchez, PhD, Director of Biological Technologies Office at DARPA

*Moderator:* Paul Gutierrez, MD, MS

**Plenary Session:**  
**MARYLAND BALLROOM B**

**9:15–10:15 am** **(1702) Umbilical Cord Blood Mononuclear Cells Restore Walking, Bowel, and Bladder Function in People with Chronic Spinal Cord Injury**  
(60 minutes)  
Wise Young, MD, PhD, Distinguished Professor, Founding Director of W. M. Keck Center for Collaborative Neuroscience  
  
*Moderator:* Huned Patwa, MD

**10:15–10:30 am** **Coffee Break & E-Poster Viewing – MARYLAND BALLROOM FOYER**

**TRACK ONE**  
**NATIONAL HARBOR 2**

**TRACK TWO**  
**NATIONAL HARBOR 3**

**TRACK THREE**  
**NATIONAL HARBOR 10**

**TRACK FOUR**  
**NATIONAL HARBOR 11**

**10:30 am–Noon**

<p><b>(1703) An Inaugural PVA Consortium Guideline: Identification and Management of Cardiometabolic Disease after SCI</b> (90 minutes) Mark Nash, PhD, FACSM  <i>Moderator:</i> Cheryl Vines, MS</p>	<p><b>(1704) Secondary Progressive MS: Diagnosis, Symptomatic Management, and Outlook on Potential Therapies</b> (90 minutes) Fides M. Pacheco, MD Olaf Stuve, MD, PhD Shirley O’Leary, MS, APRN-C, MSCN  <i>Moderator:</i> Jodie Haselkorn, MD, MPH</p>	<p><b>(1705) SCI 101; ALS 101; MS 101: Nuts and Bolts of Understanding and Managing SCI&amp;D</b> (90 minutes) Paul Gutierrez, MS, MD Huned Patwa, MD William Tyor, MD  <i>Moderator:</i> Heidi Maloni, PhD, ANP-BC</p>	<p><b>(1706) Palliative and End of Life Care for Amyotrophic Lateral Sclerosis and Multiple Sclerosis</b> (90 minutes) Mitchell Wallin, MD, MPH Kathleen Bixby, RN Marshall Balish, MD  <i>Moderator:</i> Jeanine Penzo, LICSW, MSW</p>
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**Noon** **Lunch Provided & Expo – PRINCE GEORGE’S EXHIBIT HALL B**  
**E-Poster Viewing – MARYLAND BALLROOM FOYER**

**Noon** **Product Theater: Biogen – TRACK ONE-NATIONAL HARBOR 2 – Lunch Provided**

**12:15 pm** **Product Theater: Arrow Electronics – TRACK THREE-NATIONAL HARBOR 10 – Lunch Provided**

**TRACK ONE**  
**NATIONAL HARBOR 2**

**TRACK TWO**  
**NATIONAL HARBOR 3**

**TRACK THREE**  
**NATIONAL HARBOR 10**

**TRACK FOUR**  
**NATIONAL HARBOR 11**

**1:30–3:00 pm**

<p><b>(1707) Team Approach to Decisional Capacity Evaluations in SCI/D Centers: Clinical, Legal, and Ethical Implications</b> (90 minutes) Shelley Leiphart, PsyD  <i>Moderator:</i> Paul Gutierrez, MD, MS</p>	<p><b>(1708) Nurses: MS Patient Champions from Diagnosis to Old Age</b> (90 minutes) Heidi Maloni, PhD, ANP-BC, MSCN, CNRN Lisa Mitchell, MSN, RN, CDE, MSCN  <i>Moderator:</i> Penny Graves, RN, MSN, CRRN, CCM</p>	<p><b>(1709) The 5 P’s “for Managing Pain in Amyotrophic Lateral Sclerosis”</b> (45 minutes) Ileana Howard, MD Virginia Kudritzki, PT, DPT Anielia Thomas, OT  <b>(1710) Hospice and Palliative Care in a U.S. Veterans Hospital ALS Program</b> (45 minutes) Edward Ratner, MD  <i>Moderator:</i> Jeri Muse, PhD, DAAPM</p>	<p><b>(1711) Increasing Caregiver Resiliency through the REACH VA – MS Support Program</b> (90 minutes) Alicia Sloan, MPH, MSW, LICSW Margaret Kazmierski, MSW, LCSW-C, CCM  <i>Moderator:</i> Steve Mitchell, OTR/L</p>
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**3:00–3:30 pm** **Coffee Break with Espresso Bar & Expo – PRINCE GEORGE’S EXHIBIT HALL B**  
**E-Poster Viewing – MARYLAND BALLROOM FOYER**

**TRACK ONE**  
**NATIONAL HARBOR 2**

**TRACK TWO**  
**NATIONAL HARBOR 3**

**TRACK THREE**  
**NATIONAL HARBOR 10**

**TRACK FOUR**  
**NATIONAL HARBOR 11**

**3:30–5:00 pm**

<p><b>(1712) Antibiotic Use Metrics in VA Facilities Caring for Veterans with Spinal Cord Injury (SCI)</b> (45 minutes) Katie Suda, PharmD, MS</p> <p><b>(1713) How to Run a Large Spasticity Treatment Program – with Focus on Intrathecal Management Options</b> (45 minutes) Samantha Mendelson, DO  <i>Moderator:</i> Kenneth Lee, MD</p>	<p><b>(1714) An Update on Neuroimaging in Multiple Sclerosis: MRI and OCT</b> (90 minutes) Daniel Harrison, MD Scott Newsome, MD  <i>Moderator:</i> Terry Lee-Wilk, PhD</p>	<p><b>(1715) Invasive Mechanical Ventilation in ALS: Education and Support for Difficult Decisions</b> (90 minutes) Ileana Howard, MD Catherine Wilson, PsyD, ABPP(Rp) Melanie Younger, LCSW Carrie Henry, LCSW Cathy Stevens, BS, RRT Ursula Draper, OTR/L, ATP  <i>Moderator:</i> Huned Patwa, MD</p>	<p><b>(1716) Use of Telehealth in Providing Care to Veterans with MS Living in Rural Areas</b> (45 minutes) William Culpepper II, PhD, MA Susan Conroy, PT, PhD</p> <p><b>(1717) VA Care, Benefits, and Services for Women Veterans</b> (45 minutes) Kayla Williams, MA Patricia Hayes, PhD Anna Crenshaw</p>
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5:00-6:00 pm Interactive E-Poster Sessions – MARYLAND BALLROOM FOYER  
MSCOE Meeting – TRACK TWO – NATIONAL HARBOR 3

5:00-6:00 pm Quantum Symposium – MARYLAND BALLROOM B

## WEDNESDAY August 30, 2017

7:00-7:45 am Genentech Product Theater – Breakfast Provided  
MARYLAND BALLROOM B

7:45-8:15 am **Opening Remarks**  
MARYLAND BALLROOM B  
Sherman Gillums, Jr., National Executive Director, Paralyzed Veterans of America

8:15-9:00 am **Keynote Speaker**  
MARYLAND BALLROOM B  
TBD

**Homer Townsend Memorial Lecture**  
MARYLAND BALLROOM B

9:00-10:15 am **Plenary Session:**  
**(1718) Addressing Suicide Prevention in Spinal Cord Injury Practice... it is Everyone's Responsibility!**  
(75 minutes)  
Sunil Sabharwal, MD  
David Carroll, PhD  
Caitlin Thompson, PhD  
  
*Moderator:* Jeri Muse, PhD, DAAPM

10:15-10:30 am Coffee Break E-Poster Viewing – MARYLAND BALLROOM FOYER

**TRACK ONE**  
NATIONAL HARBOR 2

**TRACK TWO**  
NATIONAL HARBOR 3

**TRACK THREE**  
NATIONAL HARBOR 10

**TRACK FOUR**  
NATIONAL HARBOR 11

10:30 am-Noon **(1719) Veterans Affairs Rehabilitation Driving Programs: What Don't We Know?**  
(90 minutes)  
Adrienne Toubbeh, OTR/L  
Kristy Gronseth, OTR/L, CDRS  
  
*Moderator:* Maureen Jennings, PT, DPT, NCS

**(1720) Multiple Sclerosis Mimics: Diagnostic Error and Management Decisions**  
(45 minutes)  
John Rinker, MD  
Mitchell Wallin, MD  
  
**(1721) Neuromyelitis Spectrum Disorder: Diagnosis and Treatment**  
(45 minutes)  
David Alexander, MD  
  
*Moderator:* Terry Lee-Wilk, PhD

**(1722) Developing Connect Care Technologies into a Rapid Response, Clinical Support System for Rural ALS Veterans**  
(45 minutes)  
Richard Strozewski, MP, PMP  
  
**(1723) Calculating the Rate of Change (RoC) of Force Vital Capacity (FVC) in Patients with Amyotrophic Lateral Sclerosis (ALS)**  
(45 minutes)  
Catherine Wilson, PsyD, ABPP(Rp)  
Kevin White, MD  
  
*Moderator:* Thomas Halka, OTR

**(1724) Bioethics in Spinal Cord Injury**  
(90 minutes)  
Edward Ratner, MD  
  
*Moderator:* Bill Lawson

Noon Lunch Provided & Expo – PRINCE GEORGE'S EXHIBIT HALL B  
E-Poster Viewing – MARYLAND BALLROOM FOYER

Noon Product Theater: Wellspect Healthcare – TRACK ONE-NATIONAL HARBOR 2 – Lunch Provided

<b>12:15 pm</b> Product Theater: NMEDA – TRACK THREE – NATIONAL HARBOR 10 – Lunch Provided				
	<i>TRACK ONE NATIONAL HARBOR 2</i>	<i>TRACK TWO NATIONAL HARBOR 3</i>	<i>TRACK THREE NATIONAL HARBOR 10</i>	<i>TRACK FOUR NATIONAL HARBOR 11</i>
	<p><b>(1725) Teaching Sexuality and Spinal Cord Injury from a Nursing Perspective</b> (45 minutes) Emmanuela Pierre-Charles, MSN, BSN, RN Marie Jeune, BSN, RN, CRRN</p> <p><b>(1726) Development of an Interdisciplinary Sexual Health Rehabilitation Program for Veterans with Spinal Cord Injury</b> (45 minutes) Roger Williams, PhD Jaclyn Jones, OTR/L Farhad Sepahpanah, MD</p> <p><i>Moderator:</i> Penny Graves, RN, MSN, CRRN, CCM</p>	<p><b>(1727) Cognitive Rehabilitation Interventions for Veterans with MS</b> (90 minutes) Terry Lee-Wilk, PhD Moira Dux, PhD Patricia Ryan, PhD</p> <p><i>Moderator:</i> Jeri Muse, PhD, DAAPM</p>	<p><b>(1728) Physical and Occupational Therapy Roles in the Management of Individuals with ALS: The Paradigm Shift in “Rehabilitation”</b> (90 minutes) Martin Kilbane, PT, DPT, OCS Steven Mitchell, OTR/L, ATP</p> <p><i>Moderator:</i> Maureen Jennings, PT, DPT, NCS</p>	<p><b>(1729) Providing Educational Opportunities to Promote Community Healthcare Professional’s Knowledge of SCI/D</b> (45 minutes) Sara Frye, MS, OTR/L, ATP Heather Walenga Wheeler, DPT</p> <p><b>(1730) Collaborating to Teach Primary Care Providers to Facilitate Self-Management Skills of SCI Patients</b> (45 minutes) Lisa DiPonio, MD Brad Trumpower, MS</p> <p><i>Moderator:</i> Kenneth Lee, MD</p>
<b>1:30–3:00 pm</b>				
<b>3:00 pm</b> Coffee Break & E- Poster Viewing – MARYLAND BALLROOM FOYER				
	<i>TRACK ONE NATIONAL HARBOR 2</i>	<i>TRACK TWO NATIONAL HARBOR 3</i>	<i>TRACK THREE NATIONAL HARBOR 10</i>	<i>TRACK FOUR NATIONAL HARBOR 11</i>
	<p><b>(1731) 3D Printing = New Clinical Care Options for Veterans</b> (90 minutes) Ben Salatin, MS Brian Burkhardt, MS, ATP</p> <p><i>Moderator:</i> Steve Mitchell, OTR/L</p>	<p><b>(1732) New Insights into Sensory Contributions to Gait and Balance in Multiple Sclerosis</b> (90 minutes) Michelle Cameron, MD, PT, MCR</p> <p><i>Moderator:</i> Jodie Haselkorn, MD, MPH</p>	<p><b>(1733) Bridging the Gap between Chronic Pain and the SCI Population: Implications for the Interdisciplinary Team</b> (45 minutes) Qunisha Burnett, PT, DPT</p> <p><b>(1734) Sleep Disorders and Cardiovascular Risk in Chronic Spinal Cord Injury</b> (45 minutes) Abdulghani Sankari, MD, PhD</p> <p><i>Moderator:</i> Stephen Yerkovich, MD</p>	<p><b>(1735) Military Sexual Trauma and Post Traumatic Stress Disorder as it is Related to SCI Patients</b> (45 minutes) Emmanuela Pierre-Charles, MSN, BSN, RN Catherine Wilson, PsyD, ABPP</p> <p><b>(1736) Differing Appraisals of Caregiving: Comparing Caregivers and Care Recipients in Managing Spinal Cord Injury</b> (45 minutes) Edward Rohn, PhD</p> <p><i>Moderator:</i> Thomas Halka, OTR</p>
<b>3:30–5:00 pm</b>				
<b>5:00–6:00 pm</b>	Interactive Poster Sessions – MARYLAND BALLROOM FOYER VA SCI/D All Staff Update Meeting – MARYLAND BALLROOM B			
<b>6:00–7:00 pm</b>	VA SCI/D Chiefs Meeting – TRACK THREE – NATIONAL HARBOR 10			
<b>6:30–8:30 pm</b>	Summit PVA Reception – RIVERVIEW BALLROOM			
<b>THURSDAY August 31, 2017</b>				
<b>7:15–8:00 am</b>	Product Theater: ReWalk – Breakfast provided MARYLAND BALLROOM B			
<b>8:15–8:30 am</b>	<p>Opening Remarks MARYLAND BALLROOM B Paul Gutierrez, MS, MD, Summit Program Committee Chairman</p> <hr/> <p>John N. Whitaker Memorial Lecture MARYLAND BALLROOM B</p>			
<b>8:30–10:00 am</b>	<p>Plenary Session: <b>(1737) Wellness and Multiple Sclerosis: Current Evidence and Management Strategies</b> (90 minutes) Kathleen Costello, MS, CRNP</p> <p><i>Moderator:</i> Jodie Haselkorn, MD, MPH</p>			

10:00–10:30 am Coffee Break & E-Poster Viewing – MARYLAND BALLROOM FOYER				
	<i>TRACK ONE NATIONAL HARBOR 2</i>	<i>TRACK TWO NATIONAL HARBOR 3</i>	<i>TRACK THREE NATIONAL HARBOR 10</i>	<i>TRACK FOUR NATIONAL HARBOR 11</i>
10:30 am–Noon	<p><b>(1738) Why Some Pressure Injuries are Unpreventable: Biomarkers for Identification of Personalized Pressure Injury Risk</b> (45 minutes) Kath Bogie, DPhil Mary Ann Richmond, MD</p> <p><b>(1739) A Personalized Healthcare Tool for Pressure Injury Prevention</b> (45 minutes) Kath Bogie, DPhil Mary Ann Richmond, MD</p> <p><i>Moderator:</i> Bill Lawson</p>	<p><b>(1740) Cognitive Impairment and Related Caregiving Issues in MS</b> (45 minutes) Brett Parmenter, PhD, ABPP Douglas Lane, PhD, ABPP</p> <p><b>(1741) The Impact of Caregiver Burden Over Time on Veterans with SCI/D and Their Caregivers</b> (45 minutes) Jeanine Penzo, MSW, LICSW</p> <p><i>Moderator:</i> Heidi Maloni, PhD, ANP-BC</p>	<p><b>(1742) The Role of Pelvic Floor Therapy in the Treatment of Bowel and Bladder Issues Associated with Neurologic Issues</b> (45 minutes) Carina Siracusa, PT, DPT, WCS</p> <p><b>(1743) Diaphragm Rehabilitation through Diaphragm Pacing – Not Just for Ventilator Dependent Traumatic Tetraplegics</b> (45 minutes) Raymond Onders, MD</p> <p><i>Moderator:</i> Stephen Yerkovich, MD</p>	<p><b>(1744) Employment Reintegration and Accessibility Following Spinal Cord Injury</b> (45 minutes) Barbara Taylor, OTR/L, CHT Ursula Draper, OTR/L, ATP</p> <p><b>(1745) Mental Health Complications in Acute SCI Rehabilitation: An Interdisciplinary Approach</b> (45 minutes) Tabitha Rivers, PT, DPT, NCS Lavonya McAlister, RN, BSN, MSN Marvin Nuval, PT, CLT, MHA, MBA</p> <p><i>Moderator:</i> Thomas Halka, OTR</p>
Noon E-Poster Viewing Product Theater: Permobil – MARYLAND BALLROOM B – Lunch Provided				
	<i>TRACK ONE NATIONAL HARBOR 2</i>	<i>TRACK TWO NATIONAL HARBOR 3</i>	<i>TRACK THREE NATIONAL HARBOR 10</i>	<i>TRACK FOUR NATIONAL HARBOR 11</i>
1:30–3:00 pm	<p><b>(1746) Let it Go: The Physiatric Approach to Chronic Migraine Disorders in the Spinal Cord Injury Population</b> (90 minutes) Deborah Caruso, MD Timothy Hudson, MD, LAC</p> <p><i>Moderator:</i> Jeanine Penzo, LICSW, MSW</p>	<p><b>(1747) Impact of Natalizumab on JC Virus Antibody Indices</b> (45 minutes) Eric Williamson, MD</p> <p><b>(1748) Antioxidants and Vitamins in Multiple Sclerosis</b> (45 minutes) Jesus Lovera, MD</p> <p><i>Moderator:</i> Terry Lee-Wilk, PhD</p>	<p><b>(1749) Opioid Use in a Spinal Cord Injured Population: Considerations for Treatment and Monitoring</b> (90 minutes) Heidi Maloni, PhD, ANP-BC, MSCN, CNRN Jeri Muse, PhD, DAAPM Jonathan Carter, PharmD, BCPS</p> <p><i>Moderator:</i> Huned Patwa, MD</p>	<p><b>(1750) Screening for Depression after SCI/D by Non-Mental Health Providers</b> (45 minutes) Jason Raad, PhD</p> <p><b>(1751) Promoting the Roles of Therapies in the Health and Wellness of Individuals with SCI</b> (45 minutes) Amber Brochetti, PT, DPT Martin Kilbane, PT, DPT, OCS</p> <p><i>Moderator:</i> Maureen Jennings, PT, DPT, NCS</p>
3:00 pm Coffee Break & E-Poster Viewing – MARYLAND BALLROOM FOYER				
	<i>TRACK ONE NATIONAL HARBOR 2</i>	<i>TRACK TWO NATIONAL HARBOR 3</i>	<i>TRACK THREE NATIONAL HARBOR 10</i>	<i>TRACK FOUR NATIONAL HARBOR 11</i>
3:30–5:00 pm	<p><b>(1752) Wheelchair Lacrosse Triad: Collaboration of PVA Chapters, VA SCI Centers, &amp; Community Partners for Health Promotion</b> (45 minutes) Tiffany Villamin, BSN, RN, CRRN Kenneth Lee, MD</p> <p><b>(1753) SCI Outdoor Adventure 101 – Successful Planning and Implementation</b> (45 minutes) Marsha Kameron, OTR/ATP Valerie McNary, CTRS/ATP</p> <p><i>Moderator:</i> Kenneth Lee, MD</p>	<p><b>(1754) Disease Modifying Therapy in Multiple Sclerosis – Working with the VA Formulary</b> (90 minutes) Michael Carrithers, MD, PhD Kathy Tortorice, PharmD, BCPS</p> <p><i>Moderator:</i> Heidi Maloni, PhD, ANP-BC</p>	<p><b>(1755) Prevention and Management of Osteoporosis in Individuals with Spinal Cord Injury: A Scoping Review</b> (45 minutes) Jennifer Hill, MA</p> <p><b>(1756) PAWS for Independence</b> (45 minutes) Andrea Dube, CRRN, RN Kevin Stone, US Army (Ret)</p> <p><i>Moderator:</i> Jennifer Gaoteote, RN</p>	<p><b>(1757) Use of a Virtual Reality Ride-on Sailing Simulator as a Rehabilitation Tool for Patients with Spinal Cord Injury</b> (45 minutes) Albert Recio, MD, PT</p> <p><b>(1758) Maximizing Effectiveness of Caregiver Education</b> (45 minutes) Laura Mellon, MS, CCC-SLP, ATP Denys Robertson, OTR/L</p> <p><i>Moderator:</i> Paul Gutierrez, MD, MS</p>