



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*

3:00-5:00pm

##### "Why SCI/D Nursing?" Recruit and Retain Talent in SCI/D Nursing

Lana McKenzie, RN, MHA, CCM; Jennifer Gaoteote, RN; and Linda McConnell, RN

*TRACK TWO – NATIONAL HARBOR 10/11*

##### ALS Custom Configuration Options: A Hands on Opportunity

Steve Mitchell, OTR/L

*TRACK THREE – NATIONAL HARBOR 4/5*

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*

David Zurfluh, National President, Paralyzed Veterans of America

Sherman Gillums, Jr., MS, National Executive Director, Paralyzed Veterans of America

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 – NATIONAL HARBOR FOYER  
E-Poster Viewing – MARYLAND BALLROOM FOYER

**TRACK ONE**  
**NATIONAL HARBOR 2/3**

**TRACK TWO**  
**NATIONAL HARBOR 10/11**

**TRACK THREE**  
**NATIONAL HARBOR 4/5**

**TRACK FOUR**  
**NATIONAL HARBOR 12/13**

**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, MD, MS Huned Patwa, MD William Tyor, MD  <i>Moderator:</i> Heidi Maloni, PhD, ANP-BC, MSCN, CNRN</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 2/3 – Lunch Provided

**12:15 pm** Product Theater: Arrow Electronics – TRACK TWO-NATIONAL HARBOR 10/11 – Lunch Provided

**TRACK ONE**  
**NATIONAL HARBOR 2/3**

**TRACK TWO**  
**NATIONAL HARBOR 10/11**

**TRACK THREE**  
**NATIONAL HARBOR 4/5**

**TRACK FOUR**  
**NATIONAL HARBOR 12/13**

**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> Jennifer Gaoteote, RN</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 Dessert Bar & Expo – PRINCE GEORGE’S EXHIBIT HALL B  
E-Poster Viewing – MARYLAND BALLROOM FOYER

**TRACK ONE**  
**NATIONAL HARBOR 2/3**

**TRACK TWO**  
**NATIONAL HARBOR 10/11**

**TRACK THREE**  
**NATIONAL HARBOR 4/5**

**TRACK FOUR**  
**NATIONAL HARBOR 12/13**

**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>(1714) An Update on Neuroimaging in Multiple Sclerosis: MRI and OCT</b> (90 minutes) Daniel Harrison, MD Scott Newsome, MD  <i>Moderator:</i> Heidi Maloni, PhD, ANP-BC, MSCN, CNRN</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  <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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Moderator: Kenneth Lee, MD

Moderator: Bill Lawson

5:00-6:00 pm E-Poster Viewing – MARYLAND BALLROOM FOYER  
MSCOE Meeting – TRACK ONE – NATIONAL HARBOR 2/3

5:00-6:00 pm Product Theater: Quantum – TRACK TWO – NATIONAL HARBOR 10/11 – Refreshments Provided

### WEDNESDAY August 30, 2017

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

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

8:15-9:00 am Keynote Speaker  
MARYLAND BALLROOM B  
Baligh Yehia, MD, Deputy Under Secretary for Health for Community Care, Veterans Health Administration  
  
Moderator: Carl Blake, Associate Executive Director, Paralyzed Veterans of America

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 – NATIONAL HARBOR FOYER  
E-Poster Viewing – MARYLAND BALLROOM FOYER

TRACK ONE  
NATIONAL HARBOR 2/3

TRACK TWO  
NATIONAL HARBOR 10/11

TRACK THREE  
NATIONAL HARBOR 4/5

TRACK FOUR  
NATIONAL HARBOR 12/13

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

<b>Noon</b>	<b>Product Theater: Wellspect HealthCare – TRACK ONE-NATIONAL HARBOR 2/3 – Lunch Provided</b>			
<b>12:15 pm</b>	<b>Product Theater: NMEDA – TRACK TWO – NATIONAL HARBOR 10/11 – Lunch Provided</b>			
	<b>TRACK ONE NATIONAL HARBOR 2/3</b>	<b>TRACK TWO NATIONAL HARBOR 10/11</b>	<b>TRACK THREE NATIONAL HARBOR 4/5</b>	<b>TRACK FOUR NATIONAL HARBOR 12/13</b>
<b>1:30–3:00 pm</b>	<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> Cheryl Vines, MS</p>	<p><b>(1727) Cognitive Rehabilitation Interventions for Veterans with MS</b> (90 minutes) Terry Lee-Wilk, PhD Moiria 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>3:00 – 3:30 pm</b>	<b>Coffee Break – PRINCE GEORGE’S EXHIBIT HALL B E-Poster Viewing – MARYLAND BALLROOM FOYER</b>			
	<b>TRACK ONE NATIONAL HARBOR 2/3</b>	<b>TRACK TWO NATIONAL HARBOR 10/11</b>	<b>TRACK THREE NATIONAL HARBOR 4/5</b>	<b>TRACK FOUR NATIONAL HARBOR 12/13</b>
<b>3:30–5:00 pm</b>	<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 Jeffrey Hebert, PT, PhD, MSCS</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) Quanisha 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> Christine Zito, RN, BSN</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>5:00–6:00 pm</b>	<b>E-Poster Viewing – MARYLAND BALLROOM FOYER VA SCI/D All Staff Update Meeting - MARYLAND BALLROOM B</b>			
<b>6:00–7:00 pm</b>	<b>VA SCI/D Chiefs Meeting – TRACK TWO – NATIONAL HARBOR 10/11</b>			
<b>6:30–8:30 pm</b>	<b>Summit PVA Reception – RIVERVIEW BALLROOM</b>			
<b>THURSDAY August 31, 2017</b>				
<b>7:15–8:00 am</b>	<b>Product Theater: ReWalk – Breakfast Provided MARYLAND BALLROOM B</b>			
<b>8:15–8:30 am</b>	<b>Opening Remarks MARYLAND BALLROOM B</b> Paul Gutierrez, MD, MS, Summit Program Committee Chairman			
<b>8:30–10:00 am</b>	<b>John N. Whitaker Memorial Lecture MARYLAND BALLROOM B</b> <b>Plenary Session:</b> <b>(1737) Wellness and Multiple Sclerosis: Current Evidence and Management Strategies</b> (90 minutes) Kathleen Costello, MS, CRNP			

*Moderator:* Jodie Haselkorn, MD, MPH

10:00–10:30 am Coffee Break – NATIONAL HARBOR FOYER  
E-Poster Viewing – MARYLAND BALLROOM FOYER

**TRACK ONE**  
NATIONAL HARBOR 2/3

**TRACK TWO**  
NATIONAL HARBOR 10/11

**TRACK THREE**  
NATIONAL HARBOR 4/5

**TRACK FOUR**  
NATIONAL HARBOR 12/13

**(1738) Why Some Pressure Injuries are Unpreventable: Biomarkers for Identification of Personalized Pressure Injury Risk**  
(45 minutes)  
Kath Bogie, DPhil  
Mary Ann Richmond, MD

**(1740) The Impact of Caregiver Burden Over Time on Veterans with SCI/D and Their Caregivers**  
(90 minutes)  
Jeanine Penzo, MSW, LICSW

**(1741) The Role of Pelvic Floor Therapy in the Treatment of Bowel and Bladder Issues Associated with Neurologic Issues**  
(45 minutes)  
Carina Siracusa, PT, DPT, WCS

**(1743) Employment Reintegration and Accessibility Following Spinal Cord Injury**  
(45 minutes)  
Barbara Taylor, OTR/L, CHT  
Ursula Draper, OTR/L, ATP

10:30 am–Noon **(1739) A Personalized Healthcare Tool for Pressure Injury Prevention**  
(45 minutes)  
Kath Bogie, DPhil  
Mary Ann Richmond, MD

*Moderator:* Terry Lee-Wilk, PhD

**(1742) Diaphragm Rehabilitation through Diaphragm Pacing – Not Just for Ventilator Dependent Traumatic Tetraplegics**  
(45 minutes)  
Raymond Onders, MD

**(1744) Mental Health Complications in Acute SCI Rehabilitation: An Interdisciplinary Approach**  
(45 minutes)  
Tabitha Rivers, PT, DPT, NCS  
Lavonya McAlister, RN, BSN, MSN  
Marvin Nuval, PT, CLT, MHA, MBA

*Moderator:* Bill Lawson

*Moderator:* Christine Zito, RN, BSN

*Moderator:* Thomas Halka, OTR

Noon E-Poster Viewing – MARYLAND BALLROOM FOYER  
Product Theater: Permobil – MARYLAND BALLROOM B – Lunch Provided

**TRACK ONE**  
NATIONAL HARBOR 2/3

**TRACK TWO**  
NATIONAL HARBOR 10/11

**TRACK THREE**  
NATIONAL HARBOR 4/5

**TRACK FOUR**  
NATIONAL HARBOR 12/13

**(1745) Let it Go: The Physiatric Approach to Chronic Migraine Disorders in the Spinal Cord Injury Population**  
(90 minutes)  
Deborah Caruso, MD  
Timothy Hudson, MD, LAC

**(1746) Impact of Natalizumab on JC Virus Antibody Indices**  
(45 minutes)  
Eric Williamson, MD

**(1748) Opioid Use in a Spinal Cord Injured Population: Considerations for Treatment and Monitoring**  
(90 minutes)  
Heidi Maloni, PhD, ANP-BC, MSCN, CNRN  
Jeri Muse, PhD, DAAPM  
Jonathan Carter, PharmD, BCPS

**(1749) Screening for Depression after SCI/D by Non-Mental Health Providers**  
(45 minutes)  
Jason Raad, PhD

*Moderator:* Jeanine Penzo, LICSW, MSW

**(1747) Antioxidants and Vitamins in Multiple Sclerosis**  
(45 minutes)  
Jesus Lovera, MD

*Moderator:* Huned Patwa, MD

**(1750) Promoting the Roles of Therapies in the Health and Wellness of Individuals with SCI**  
(45 minutes)  
Amber Brochetti, PT, DPT  
Martin Kilbane, PT, DPT, OCS

*Moderator:* Maureen Jennings, PT, DPT, NCS

*Moderator:* Terry Lee-Wilk, PhD

3:00 – 3:30 pm Coffee Break – NATIONAL HARBOR FOYER  
E-Poster Viewing – MARYLAND BALLROOM FOYER

**TRACK ONE**  
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**TRACK FOUR**  
NATIONAL HARBOR 12/13

**(1751) Wheelchair Lacrosse Triad: Collaboration of PVA Chapters, VA SCI Centers, & Community Partners for Health Promotion**  
(45 minutes)  
Tiffany Villamin, BSN, RN, CRRN  
Kenneth Lee, MD

**(1753) Disease Modifying Therapy in Multiple Sclerosis – Working with the VA Formulary**  
(90 minutes)  
Michael Carrithers, MD, PhD  
Kathy Tortorice, PharmD, BCPS

**(1754) Prevention and Management of Osteoporosis in Individuals with Spinal Cord Injury: A Scoping Review**  
(45 minutes)  
Jennifer Hill, MA

**(1756) Use of a Virtual Reality Ride-on Sailing Simulator as a Rehabilitation Tool for Patients with Spinal Cord Injury**  
(45 minutes)  
Albert Recio, MD, PT

3:30–5:00 pm **(1752) SCI Outdoor Adventure 101 – Successful Planning and Implementation**  
(45 minutes)  
Marsha Kameron, OTR/ATP  
Valerie McNary, CTRS/ATP

*Moderator:* Heidi Maloni, PhD, ANP-BC, MSCN, CNRN

**(1755) PAWS for Independence**  
(45 minutes)  
Andrea Dube, CRRN, RN  
Kevin Stone, US Army (Ret)

**(1757) Maximizing Effectiveness of Caregiver Education**  
(45 minutes)  
Laura Mellon, MS, CCC-SLP, ATP  
Denys Robertson, OTR/L

*Moderator:* Kenneth Lee, MD

*Moderator:* Jennifer Gaoteote, RN

*Moderator:* Paul Gutierrez, MD, MS