



WORLD ACADEMY of PAIN  
MEDICINE ULTRASONOGRAPHY

## Preliminary MASTER AGENDA

February 16-18, 2018

WAPMU 4<sup>th</sup> Annual Meeting and Review Workshop

Hotel Colonnade Coral Gables

Miami/ Coral Gables, Florida USA

### “SONOLOGY VERSUS MYTHOLOGY”

#### FRIDAY, FEBRUARY 16 HOTEL COLONNADE CORAL GABLES

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|----------------|---|
| 7:30 to 8:00   | <b>Greetings and WAPMU Statement</b><br><b>Einar Ottestad, MD &amp; Michael Gofeld, MD</b>  |
| 8:00 to 09:30  | <b>Clinical Anatomy Myths and Facts - Didactic and Panel Discussion</b><br><b>Moderator: Anne Agur</b> <ul style="list-style-type: none"><li>• Classic Anatomy Myths Taught in Medical School - <b>Bernhard Moriggl</b></li><li>• Major Joint Innervation: Anatomy vs. Publications: <b>Anuj Bhatia</b></li><li>• Anatomic Foundation for Diagnostic Blocks: Clinical Necessity and Controversy: <b>Raja Reddy</b></li><li>• Panel Discussion: <b>B. Moriggl, A. Bhatia, R. Reddy, M. Sommer, M. Mahan, M. Hurdle</b></li></ul> |
| 9:30 to 10:00  | <b>Key Speaker Presentation: “Social Media and Medicine” Paul Christo</b>   |
| 10:00 to 10:30 | <b>Break in Exhibit Hall</b>  |
| 10:00 to 12:00 | <b>Peripheral Nerve Stimulation- Didactic and Panel Discussion</b><br><b>Moderator: Mark F. Hurdle</b> <ul style="list-style-type: none"><li>• Historical Perspective and Lessons Learned: <b>Einar Ottestad</b></li><li>• Controversies in Peripheral Nerve Stimulation: <b>Sadiq Bhayani</b></li><li>• Peripheral Nerve Stimulation Best Practices: <b>David Spinner</b></li><li>• PNS vs. DRG vs. SCS vs. PFNS: <b>Leonardo Kapural</b></li></ul>  |

- Panel Discussion: **E. Ottestad, D. Spinner, L. Kapural, J. Huh, S. Bhayani, S. Pritzlaff**

**12:00 to 13:00**                      **LUNCH (non-CME Symposium)**

**13:00 to 13:30**                      **Key Speaker Presentation: Controversies in Clinical Research: Ming Kao**

**13:30 to 15:00**                      **Emerging Methods- Didactic and Panel Discussion  
Moderator: Sev Perelman**

- Percutaneous Tenotomies: High-Tech vs. “18-Gauge Needle and a Good Strong Arm”: **Stephan Esser**
- Percutaneous Releases of Nerve Entrapments: Minimally Invasive vs. Traditional Surgical Method: **Mark Mahan**
- Miniaturization of Ultrasound: Handheld vs. Display: **Manuel Cifrian- Perez**
- Ablation: Radiofrequency vs. HIFU: **Michael Gofeld**
- Panel Discussion: **S. Esser, M. Mahan, M. Cifrian-Perez, M. Gofeld, S. Bhayani, S. Pritzlaff**

**15:30 to 16:00**                      **Break in Exhibit Hall**

**16:00 to 17:30**                      **Regenerative Medicine- Didactic and Panel Discussion  
Moderator: Jonathan Finoff**

- Regenerative Medicine State of the Art: **Chris Centeno**
- Ultrasound in Regenerative Medicine: **Stanley Lam**
- Knee Pain and personalized medicine: What does the future look like: **Dragan Primorac**
- Panel Discussion: **C. Centeno, S. Lam, D. Primorac, D. Spinner, G. Chien, M. Hurdle**

**17:30 to 19:30**                      **Welcome Reception with Exhibitors**

**8:00 to 17:00**

**Ultrasound in Pain Medicine Review Course, focused presentations, expert faculty demonstration and hands-on “live model” workshop for practicing physicians.  
Moderator: Mark Friedrich Hurdle**

**Attendees rotate through and attend each station for 75 minutes**

**Stations:**

- 1. Upper Extremity**
- 2. Lower Extremity**
- 3. Head & Cervical Spine**
- 4. Thoracic spine & Abdomen**
- 5. Lumbo-sacral spine & Pelvis**
- 6. Physical Examinations**

**Upper Limb Sonography:** *Review of gross & sonoanatomy with emphasis on common procedural objectives*

***Shoulder:*** *Biceps tendon, acromio-clavicular joint, subacromial bursa, gleno-humeral joint & suprascapular nerve*

***Elbow:*** *lateral elbow, medial elbow, cubital canal & ulnar nerve*

***Wrist:*** *Carpal Tunnel & median nerve, Guyon’s canal & MCP joint*

**Lower Limb Sonography -** *Review of gross & sonoanatomy with emphasis on common procedural objectives*

***Hip:*** *Hip joint, Trochanteric complex, Ilio-tibial band & Lateral femoral cutaneous nerve*

***Knee:*** *Knee joint & saphenous nerve*

***Ankle:*** *Tibio-tarsal joint, Tarsal canal & tibial nerve, MTP joint*

**Cervical Spine Sonography:** *Review of gross & sonoanatomy with emphasis on common procedural objectives*

*Greater occipital nerve, Cervical facet joints & medial branches, cervical nerve roots & cervical sympathetic trunk*

**Thoracic Spine, Paravertebral & Abdomen Sonography:** *Review of gross & sonoanatomy with emphasis on common procedural objectives*

*Thoracic facet joints, Intercostal nerve, Paravertebral block, Costo-transverse joint, Ilio-Inguinal & Ilio-hypogastric nerve blocks*

**Lumbar spine, Sacrum & Pelvic Sonography:** *Review of gross & sonoanatomy with emphasis on common procedural objectives*

*Lumbar facet joints & medial branches, caudal epidural, sacral foramina, sacroiliac joint, piriformis muscle & pudendal nerve*

**Certification in interventional pain ultrasonography:** *Communication, Knowledge & Skills*

**SUNDAY, FEBRUARY 18      HOTEL COLONNADE CORAL GABLES**

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**8:00 to 17:00                      WAPMU Cadaver Workshop**

**Cadaveric Workshop Station Topics:**

- Cervical & Thoracic Spine**
- Lumbar Spine, Sacrum, Pelvis & Trunk**
- Upper extremity MSK & Nerve**
- Lower Extremity MSK & Nerve**
- Peripheral Nerve Stimulation Implants**
- Spinal Cord Stimulation Implants**
- RF Ablation ultrasound guided techniques**
- Ultrasound guided Botox Injections**
- Regenerative Medicine & Ultrasound**
- Specialty Station: Intrathecal Pump Implants & others TBD**

**10:00-11:30                      Sunday Brunch with exhibitors**

	<b>POSITION</b>
<b>Station 1 - Cervical &amp; Thoracic spine- 120 minute</b>	
<b>A: Neck</b> <i>cervical medial branch, cervical nerve roots (40 minutes)</i>	lateral
<b>B: Head &amp; cervical sympathetic trunk</b> <i>Greater occipital nerve, Stellate ganglion (40 minutes)</i>	Prone or lateral
<b>C: Thorax</b> <i>Thoracic facet joint, Intercostal nerves, paravertebral (40 minutes)</i>	Prone
<b>Station 2-Lumbar spine, Sacrum, Pelvis &amp; Trunk- 120 minute</b>	
<b>A: Lumbar area</b> <i>Lumbar epidural, facets &amp; medial branches (40 minutes)</i>	Prone
<b>B. Pelvic area</b> <i>Caudal epidural, Sacro-iliac joint, Piriformis &amp; Pudendal nerve (40 minutes)</i>	Prone
<b>C: Abdomen</b> <i>Ilio-inguinal, ilio-hypogastric nerve, miscellaneous (40 minutes)</i>	Supine

<b>Station 3 - Upper extremity- 120 minute</b>	
<b>A: Shoulder</b> <i>Long head of biceps, Acromio-clavicular joint, Subacromial bursa, Gleno-humeral joint &amp; Suprasacapular nerve, (40 minutes)</i>	sitting or lateral
<b>B: Elbow</b> <i>Medial &amp; Lateral Elbow, Cubital canal &amp; Ulnar nerve (40 minutes)</i>	supine or lateral
<b>B: Wrist</b> <i>Carpal tunnel, median nerve, Guyon's Canal &amp; Ulnar nerve (40 minutes)</i>	supine
<b>Station 4 - Lower extremity- 120 minute</b>	
<b>A : Hip</b> <i>Hip joint, Trochanteric complex, IT Band, &amp; LFCN (40 minutes)</i>	Supine
<b>B: Knee</b> <i>Knee joint, genicular nerves &amp; saphenous nerve (40 minutes)</i>	Supine
<b>C: Ankle</b> <i>Tibio-tarsal Joint, tarsal tunnel, tibial &amp; peroneal nerves (40 minutes)</i>	Supine

**17:00 Annual Meeting Concludes**

**MONDAY, FEBRUARY 19- MIAMI ANATOMICAL RESEARCH CENTER (MARC)**

**8:00 to 17:00 CIPS EXAM  
Miami Anatomical Research Center (MARC)**