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Page 1: ASNM BOARD ELECTION CANDIDATE FORM

**Q1 Name (as you would like it to appear on the ballot)**

Justin W. Silverstein

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**Q2 Credential(s)**

DHSc, CNIM, R.EPT, R.NCS.T, CNCT

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**Q3 Current Position and Organization**

Owner/CEO/Neurophysiologist  
Neuro Protective Solutions

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**Q4 Education**

A.T. Still University  
Arizona School of Health Sciences  
College of Graduate Health Studies  
Doctor of Health Science (DHSc)  
Dissertation: Causal Factors for Position Related SSEP Changes in Spinal Surgery - Published in European Spine Journal. Vol 25 No 10: Pgs. 3208-3213

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**Q5 Professional Affiliations**

American Society of Neurophysiological Monitoring (ASNM)  
International Society for the Advancement of Spinal Surgery (ISASS)  
American Clinical Neurophysiology Society (ACNS)  
ASET - The Neurodiagnostic Society (ASET)  
American Association of Electrodiagnostic Technologists (AAET)

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**Q6 Publications, Awards and Appointments**

Jahangiri, F., Silverstein, J., George, Z., Al Eissa, S. (2018). Motor Evoked Potential Recordings from Urethral Electrodes. Abstract presented at the ASNM Annual Meeting [Orlando, FL] February 2018.

Silverstein, J., Goldstein, M., Porter, D., Madhok, R., Harrington Jr., JF., Basra, S., Shah, N. (2018). A novel approach for the intraoperative detection of acute C5 nerve root palsies Abstract presented at the Annual Meeting for ISASS [Toronto, Ont. CA] April

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2018.

Silverstein, J., Goldstein, M., Porter, D., Madhok, R., Harrington, J., Basra, S. (2017). A novel approach for the intraoperative detection of C5 nerve root palsies. *Neurodiag J.* 57(4): 308-309

Block, J., Silverstein, J., Ball, H., Bizzini, B., Gupta, S. (2017). Evaluation of Femoral nerve Monitoring in Far Lateral Transpsoas Lumbar Spine Surgery. *Neurodiag J.* 57 (4) 308.

Silverstein, J., Block, J., Basra, S., & Ball, H. (2017). Case Report: Neural Mapping Techniques for Transpsoas Lateral Interbody Fusion. *Neurodiag J.* 57(4): 311-312

Silverstein, J., Block, J., Goldstein, M., DeWal, H., Zook, J., Slosar, P., Chen, D., Madhok, R., Mermelstein, L., Basra, S., Porter, D., Goliber, W., Kramer, D., Bomback, D., Reynolds, J., Goldthwaite, N., Ball, H., Bizzini, B. (2017). Femoral Nerve Protection during Lateral Lumbar Interbody Fusion (LLIF). Abstract presented at the Annual Meeting for ISASS [Boca Raton, FL] April 2017.

Silverstein, J., Matthews, E., Mermelstein, L., & DeWal, H. (2016). Causal factors for upper extremity positional nerve injuries as seen by SSEP in patients undergoing thoracolumbar and lumbosacral spine surgery. *Eur Spine J.* 25(10): 3208-3213

Silverstein, J., Madhok, R., Frendo, C., DeWal, H., & Lee, G. (2016). Contemporaneous evaluation of intraoperative ulnar and median nerve somatosensory evoked potentials for patient positioning: A review of 4 cases. *Neurodiag J.* 56(2):67-82

Silverstein, J. (2016). What coursework I would recommend for an IONM Professional. *ASET News.* 40 (3): 26.

Silverstein, J. (2016). A Case Study in Neuromonitoring Lateral Lumbar Interbody Fusion Procedures for Femoral Nerve Protection. *ASET News.* 40 (1): 20-21.

Silverstein, J. (2015). Re: Trans-Cranial motor evoked potential detection of femoral nerve injury in transpsoas lateral lumbar interbody fusion. *J Clin Monit Comput.* (30)5:743-4

Silverstein, J., Block, J., Madhok, R., Goldstein, M., Basra, S., Mermelstein, L., DeWal, H., Porter, D., & Ball, H. (2015). Alerts for femoral nerve monitoring during transpsoas lateral lumbar interbody fusion procedures. Abstract presented at the Annual Meeting for ISASS [Las Vegas, NV] April 2016.

Silverstein, J., Matthews, E., Mermelstein, L., & DeWal, H. (2015). Causal factors for upper extremity positional nerve injuries as seen by SSEP in patients undergoing thoracolumbar and lumbosacral spine surgery. Abstract presented at the Annual Meeting for ISASS [Las Vegas, NV] April 2016.

Silverstein, J. (2015). Intraoperative Neuromonitoring [Board Examination in IONM]. *ASETnews.* 39 (3):16-17.

Silverstein, J., Block, J., Goldstein, M., Madhok, R., Basra, S., Mermelstein, L. & DeWal, H. (2014). Preserving femoral nerve function: A multimodal neuromonitoring approach in transpsoas lateral access to the spine. Abstract presented at the Annual Meeting for ISASS [San Diego California] April 2015.

Silverstein, J. (2015). Quality in Intraoperative Neuromonitoring. *ASETnews* 39(2):23-24

Block, J., Silverstein, J., Ball, H., Mermelstein, L., DeWal, H., Madhok, R., Basra, S., & Goldstein, M. (2015). Motor Evoked Potentials for femoral nerve protection in transpsoas lateral surgery to the spine. *Neurodiag J.* 55(1):36-45

Silverstein, J., Block, J. & Basra, S. (2014). Variable Results in Motor Mapping of the Lumbar Plexus: A Comparison of 3 Different L2-L3 Far Lateral Lumbar Discectomy & Fusion Procedures. *ASNM Monitor.*

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- Silverstein, J., Mermelstein, L., DeWal, H., & Basra, S. (2014). Saphenous Nerve Somatosensory Evoked Potentials: A Novel Technique to Monitor the Femoral Nerve during Transposas Lateral Lumbar Interbody Fusion. *Spine (Phila PA 1976)*. 39(15):1254-1260
- Block, J. & Silverstein, J. (2014). The utility of Transcranial Motor Evoked Potentials (MEPs) for intraoperative monitoring of femoral nerve function for retroperitoneal transposas access to the spine. *Neurodiagnostic J*.
- Silverstein, J. & Mermelstein, L. (2014). Saphenous Nerve SSEP during Transposas Lateral Interbody Fusion: Long Term Follow-up and Review of Case Series. Abstract presented at the Annual Meeting for ISASS [Miami, Florida] May 2014.
- Silverstein, J. (2013). Does anodal blocking occur in routine intraoperative SSEP stimulation? *ASETnews*. (37)4:17-21
- Silverstein, J. (2013). Adding Specificity to the Neurophysiological Monitoring Paradigm by Adding More SSEPs. *ASET News*. 37(1)
- Silverstein, J. (2012). Safety in IONM. *ASET News*. 36(3).
- Silverstein, J. & Mermelstein, L. (2012). Saphenous Nerve SSEP: Technique and Application for the Reduction of Femoral Nerve Injury during Transposas Lateral Access Surgery. Abstract Presented at the Annual SOLAS Societal Proceedings [San Diego] May 2012.
- Silverstein, J. (2012). Mapping the Motor and Sensory Cortices: A Historical look and Current Case Review in Sensorimotor Localization and Direct Cortical Motor Stimulation. *Neurodiagnostic Journal*. 52(1): 54-68.
- Silverstein, J. (2012). Intraoperative Monitoring. *ASET News*. 36(1): 18-19.
- Silverstein, J. & Basra, S. (2011). Anomaly during Pedicle Screw Stimulation. *Am J END Tech*. 51(4):296-300
- Silverstein, J. (2011). Who Are We? – The Dilemma of What Title a Specialist in Intraoperative Monitoring Should Use. *ASET News*. 35(3).
- Silverstein, J., Mauldin, M., & Thomas, G. (2010). Does over interpretation of surface EMG from the recurrent laryngeal nerve occur too often? Transcranial Motor Evoked Potentials: A novel approach to monitoring the recurrent laryngeal nerve during anterior cervical spine surgeries. *Am J END Tech*. 50(4): 341-42.
- Silverstein, J. & DeWal, H. (2010). Detecting a Pedicle Screw Microfracture with Screw. *Am J END Tech*. 50(4): 337-38
- Silverstein, J. & Mermelstein, L. (2010). Utilization of Paraspinal Muscles for Triggered EMG during Thoracic Pedicle Screw Placement. *Am J END Tech*. 50(1): 37-49
- Silverstein, J. (2010). Intra-Operative Monitoring. *ASET News* 34:1.
- Silverstein, J. (2010). Dealing with difficult patients – Even when they are asleep!!! *ASET News* 34:4.
- Silverstein, J. DeWal, H., & Mermelstein, L. (2009). Peroneal H-Reflex: Let's stop dragging our feet. *Am J END Tech*. 49(4)
- Silverstein, J. (2009). Functional Integrity of Corticospinal Tracts and Perfusion to the Motor Cortex during Open Craniotomies. *Am J END Tech*. 49(4)
- Silverstein, J. (2008). Utilization of Paraspinal Muscles for Triggered EMG – Part 1. *Am J END Tech*. 48(4)

## ASNM 2018 Candidate Form

### Awards:

Paper: Motor Evoked Potentials for Femoral Nerve  
Protection in Transposas Lateral Access Surgery of the  
Spine is the most read article in the Neurodiagnostic Journal  
Taylor & Francis Publishing

### New York State Proclamation for Charitable Services

Provided charitable neurophysiological monitoring service to a girl we helped bring over from Ethiopia that needed a spinal deformity surgery. Also, contributed financially to assist in the patient traveling from Ethiopia to USA.

Paper (Saphenous Somatosensory Evoked Potentials) picked for presentation in BEST PAPER Session during ISASS13 in Vancouver, CA

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### **Q7 PROFILE QUESTIONS:**How do you feel you can contribute to the leadership of ASNM? What strengths/passions/talents do you hold that would benefit ASNM?

As a practitioner, researcher, educator and administrator in IONM, I feel I bring a depth of knowledge that would benefit the ASNM as we navigate the future of this field and profession. I am the CEO of my group and have years of management and leadership experience. I am very good working with people and prioritize solutions when conflict occurs. My passion is to propel this field forward through education and research. I believe everyone in this field needs to be afforded the opportunity to learn even if they never had classical training in neuroscience and neurophysiology since most in this field come from a variety of backgrounds and education levels. It up to the leadership in this field to foster this growth.

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### **Q8** With changes in health care service delivery and reimbursement, how do you feel you can contribute to keep ASNM moving forward in the right direction?

I deal with changes to reimbursement for IONM on a daily basis and would bring my knowledge and expertise as a business owner that is navigating the world of reimbursement for IONM to the ASNM. Understanding how to stay ahead of the curve has become a full-time job for me and it is something that I would bring to the table for the ASNM.

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### **Q9** ASNM constantly seeks ideas of how to better serve our membership through education, resources, representation to other professional entities, connections and networking or other means of advancement. What do you think ASNM could offer its members that would provide value?

The ASNM needs to support education initiatives in colleges and universities so there are more than just 1 bachelors program in IONM. Eventually, every non-physician provider in IONM should be graduating from an accredited program with a PhD specific to neurophysiological monitoring. However, until then, the leadership in this field should provide educational opportunities to those currently practicing and this starts with the ASNM. The ASNM can support modules of education so that those that are already working in the field that may not have had an opportunity to learn some of the basic science in a class room can grow and learn the science of surgical neurophysiology through online modules and mentorship.

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### **Q10** Personal Statement: Please provide any additional information to the members.

I entered this field over a decade ago with just a bachelors degree and realized how little I truly knew. In the time since, I have put myself through graduate school to learn the intricacies of neuroscience and health care, started my own business and had 3 children with my wife. I am dedicated to this field as it is my career and passion and I want to serve this field in any capacity I can to ensure we as a discipline move forward.