

## **JEFFREY S. BERGER, D.O.**

676 E Swedesford Road, Suite 170, Wayne Pa 19087

484-585-4517

[jberger@regenjointandspine.com](mailto:jberger@regenjointandspine.com)

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### **PROFESSIONAL EXPERIENCE**

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**Premier Orthopedics, Sports and Spine Rehabilitation Division** 2014-Present

*Attending Physician and Site Director*

1204 Baltimore Pike, Suite 100, Chadds Ford, PA 19317

676 E Swedesford Rd, Suite 170, Wayne, PA 19087

**St. Lukes Spine and Pain Associates**

2009 - 2014

*Attending Physician*

1534 Park Avenue, Suite 310, Quakertown, PA 18951

### **FACULTY APPOINTMENTS**

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**Temple University Hospital**

2010 - Present

*Adjunct Assistant Professor*

Department of Physical Medicine and Rehabilitation

3401 North Broad Street, Philadelphia, PA 19140

### **POST GRADUATE TRAINING**

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**Centeno-Schultz Clinic**

2020

Advanced Interventional Orthopedic/Regenerative Medicine Training

**Interventional Orthopedics Foundation**

2019-2020

Levels I-III Orthobiologic training

**Temple University Hospital / Mid Atlantic Spine**

2008-2009

*ACGME Accredited Interventional Pain Medicine Fellowship*

139 East Chestnut Hill Road, Newark, DE 19713

Fellowship Director: Frank J. Falco, M.D.

**Temple University Hospital**

2005-2008

*Chief Resident and Clinical Instructor*

*Physical Medicine and Rehabilitation Residency Training Program*

3401 North Broad Street, Philadelphia, PA 19140

Chairperson/Program Director: Ian B. Maitin, M.D.

**Delaware County Memorial Hospital**

2004-2005

*Traditional Osteopathic Rotating Internship*

501 North Landsdowne Avenue, Drexel Hill PA 19026

Program Director: James E. McHugh, M.D.

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## EDUCATION

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### **Philadelphia College of Osteopathic Medicine**

1999-2004

*Doctor of Osteopathy*

4170 City Avenue, Philadelphia, PA 19131

### **Georgetown University**

1995-1998

*Bachelor of Arts, Psychology, Physics*

37<sup>th</sup> and O Streets NW, Washington, DC 20057

## MEDICAL LICENSURE AND CERTIFICATIONS

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*Board Certified, Physical Medicine and Rehabilitation 1/1/2020-2/31/2029*

American Board of Physical Medicine and Rehabilitation

Passed Part 1 (Written)

August 18, 2008

Passed, Part 2 (Oral)

May 16-17, 2009

Recertification

February 20, 2018

*Board Certified, Pain Medicine 1/1/2020 - 12/31/2029*

American Board of Physical Medicine and Rehabilitation

Subspecialty Pain Medicine

Passed

September 12, 2009

Recertification

September 14, 2019

*Board Certified, Electrodiagnostic Medicine 4/30/2011-12/31/2021*

American Board of Electrodiagnostic Medicine

Passed

April 30, 2011

*Board Certified Sports Medicine 12/15/2013-12/31/2023*

American Board of Physical Medicine and Rehabilitation

Subspecialty Pain Medicine

Passed

November 5, 2013

Licensed Physician, State of Pennsylvania

Controlled Substances Certificate, Drug Enforcement Administration

Interventional Orthopedics Foundation: Shoulder, Hip, Knee, Advanced Spine Certificate

American Heart Association, Advanced Cardiac Life Support Certificate

## HONORS, AWARDS AND LEADERSHIP

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- Main Line Today, Top Doc 2016, 2019
- Philadelphia Magazine, Top Doc 2019, 2020
- Castle Connely, Top Doc 2019, 2020

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- Pennsylvania Top Doc 2020
- Healthgrades, Honor Role
- Principal Investigator, SENSE (Subcutaneous and Epidural Neuromodulation System Evaluation)
- Principal Investigator, St Jude Neuromodulation Pain Registry
- 2010 Purdue Partners Against Pain National Education Grant Recipient
- Scholarship to Advance Research in Spasticity (STARS) Recipient
- Chief Resident and Clinical Instructor
- James A. Demopolous Temple University Rehabilitation Resident of the Year
- Top 0.2%, American Board of Physical Medicine and Rehabilitation Part I
- Rehabilitation Residency Training Committee Member
- Selected for participation in Neurorehab Residency Practicum

### **HOSPITAL APPOINTMENTS**

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#### **Crozer Keystone Health System**

Crozer Chester, Springfield and Taylor Hospitals

#### **Main Line Health System**

Bryn Mawr, Riddle, Paoli, Lankenau Hospitals

### **PROFESSIONAL SOCIETY MEMBERSHIPS**

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Fellow, American Academy of Physical Medicine and Rehabilitation (AAPMR)

Fellow, Spinal Intervention Society (SIS)

Fellow, Interventional Orthopedics Foundation (IOF)

### **REVIEWER ACTIVITIES**

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Archives of Physical Medicine and Rehabilitation

### **BOOK CHAPTERS**

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Berger, J.S. "Peripheral Joint Injections." *Current Diagnosis and Treatment: Physical Medicine and Rehabilitation*, edited by Ian B. Maitin, *McGraw Hill*, 2014.

Berger, J.S. "Considerations for Neuromodulation." In *Integrating Pain Treatment into Your Spine Practice*, edited by Steven M. Falowski and Jason E. Pope, *Springer International*, 2016.

### **PEER REVIEWED ARTICLE PUBLICATIONS**

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Falowski, S.M., Berger, J.S., Pope, J.E. Combined occipital and supraorbital nerve stimulation for treatment of ptosis associated with chronic cluster headache. *IJAM*, 2(2), 239-242.

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Falco, F., Berger, J., Vrable, A., Onyewu, O., Zhu, J. (2009) Cross Talk: A New Method For Peripheral Nerve Stimulation. A Prospective Case Series Observational Study. *Pain Physician*, 12, 965-983

Berger, J.S., Weinik, M. (2009) Acute gouty arthropathy mimicking infection after total knee arthroplasty. *PM&R*, 1, 284-286.

Rypma, B., Berger, J.S., Prabhakaran, V., Biswal, B.B., Bly, B.M., Kimberg, D.Y., D'Esposito, M. (2007) Neural correlates of cognitive efficiency. *Neuroimage*, 33(3), 969-979.

Rypma, B., Berger, J.S., Genova, H., Rebecchi, D.M., D'Esposito, M. (2004) Dissociating age-related changes in cognitive strategy and neural efficiency using event-related fMRI. *Cortex*, 41, 582-594.

Rypma, B., Berger, J.S., D'Esposito, M. (2002) The influence of working-memory demand and subject performance on prefrontal cortical activity. *Journal of Cognitive Neuroscience*, 14, 721-731.

Postle, B.R., Berger, J.S., Goldstein, J., Curtis, C., D'Esposito, M. (2001) Behavioral and neurophysiological correlates of episodic coding, proactive interference, and list length effects in a running span verbal working memory task. *Cognitive, Affective, & Behavioral Neuroscience*, 1(1), 10-21.

Postle, B.R., Berger, J.S., Taich, A.M., D'Esposito, M. (2000) Activity in human frontal cortex associated with spatial working memory and saccadic behavior. *Journal of Cognitive Neuroscience*, 12, Suppl. 2, 2-12Q4.

Postle, B.R., Berger, J. S., D'Esposito, M. (1999) Functional neuroanatomical double dissociation of mnemonic and executive control processes contributing to working memory. *Proceedings of the National Academy of Sciences (USA)*, 96, 12959-12964.

### ABSTRACTS AND POSTER PRESENTATIONS

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Berger, J.S., Weinik, M. (2007) Gouty arthropathy after total knee arthroplasty: A case report. American Academy of Physical Medicine and Rehabilitation, 68<sup>th</sup> Annual Assembly. Boston, MA.

Berger, J.S., Mayer, N. (2007) Can isometric exercise induce an early neurotoxin effect in patients with spasticity? American Academy of Physical Medicine and Rehabilitation, 68<sup>th</sup> Annual Assembly, STARS Research Reception. Boston, MA.

Berger, J.S., Weinik, M. (2007) Gouty arthropathy after total knee arthroplasty: A case report. Association of Academic Physiatrists, 44<sup>th</sup> Annual Educational Conference, San Juan, Puerto Rico.

Berger, J.S., Maitin, I. (2006) Carcinomatous etiology of acute radiculopathy: A case report. American Academy of Physical Medicine and Rehabilitation, 67<sup>th</sup> Annual Assembly. Honolulu, HI.

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Berger, J.S., Maitin, I. (2006) Distinguishing neuromyelitis optica from multiple sclerosis: a case report. Association of Academic Physiatrists National Conference, 44<sup>th</sup> Annual Educational Conference, Daytona Beach, FL.

Rypma, R., Berger, J.S., D'Esposito, M. (2002) Dissociating age-related effects of cognitive strategy and neural efficiency using event-related fMRI. Society for Neuroscience: 33<sup>rd</sup> Annual Meeting.

Rypma, B., Berger, J.S., McClintock, C., D'Esposito, M. (2001) Relationships between neural activity and processing speed: fMRI activity during performance of the digit-symbol substitution test. Cognitive Neuroscience Society: Eighth Annual Meeting.

Rypma, B., Berger, J.S., McClintock, M., D'Esposito, M. (2001) Neural correlates of individual differences in executive control: An event-related fMRI study of processing speed. Society for Neuroscience: 32<sup>nd</sup> Annual Meeting.

Berger, J.S., Mitchell, K.J., Raye, C.L., Johnson, M.K., D'Esposito, M. (2000) A test of the organization of prefrontal cortex using a memory binding task during event-related fMRI. Cognitive Neuroscience Society: Seventh Annual Meeting, 141.

Rypma, B., Berger, J.S., D'Esposito, M. (2000) The effects of increasing mnemonic demand and subject performance on prefrontal cortical activity. Society for Neuroscience: 31<sup>st</sup> Annual Meeting.

Rypma, B., Berger, J.S., D'Esposito, M. (2000) Neural mechanisms of age-related changes in human working memory. The Tenth Annual Rotman Research Institute Conference.

Rypma, B., Berger, J.S., D'Esposito, M. (2000) The effects of increasing mnemonic demand on prefrontal brain activity and brain-behavior relationships. Cognitive Neuroscience Society: Seventh Annual Meeting, 133.

Berger, J.S., Goldstein, J., Postle, B.R., D'Esposito, M. (1999) Updating task reveals episodic coding in working memory. Cognitive Neuroscience Society: Sixth annual meeting, 35.

Eden, Joseph, Jones, Berger, Zeffiro (1999). Functional neuroanatomy of phonological processing: visual verses auditory stimuli. Fifth International Conference on Functional Mapping of the Human Brain, 1055.

Postle, B.R., Berger, J.S., Taich, A.M., D'Esposito, M. (1999) Frontal cortical activity associated with spatial working memory and saccades: an event-related fMRI study. Cognitive Neuroscience Society: Sixth Annual Meeting, 25.

D'Esposito, M., Postle, B.R., Berger, J.S. (1999) Response of prefrontal cortex to varying load and processing demands during a working memory task: an event-related fMRI study. Neurology, 52 (Suppl. 2), A305-A306.

Joseph, Zeffiro, Berger, Eden (1999) Functional neuroanatomy of phonological processing. Cognitive Neuroscience Society: Sixth Annual Meeting, 53-54.

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D'Esposito, M., Postle, B.R., Berger, J.S., Taich, A.M. (1999) Quantitative analysis of prefrontal and parietal cortical activity, as measured with event-related fMRI, during discrete components of delayed-response tasks. Society for Neuroscience, 30<sup>th</sup> Annual Meeting.

### SELECTED LECTURES/COURSE INSTRUCTION

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<i>Radiology of the Lumbar Spine and Regenerative Medicine Treatments</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	November, 2018
<i>Overview of Neuromodulation Therapies</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	November, 2017
<i>Radiology of the Lumbar Spine and Interventional Techniques</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	November, 2016
<i>Instructor, Fellows Neurostimulation Course</i> North American Neuromodulation Society, 18th Annual Meeting Las Vegas, NV	December, 2014
<i>Instructor, Fellows Neurostimulation Course</i> North American Neuromodulation Society, 17th Annual Meeting Las Vegas, NV	December, 2013
<i>A day in the life: Interventional Pain Medicine</i> American Academy of PM&R, 72 <sup>nd</sup> Annual Assembly Orlando, FL	November, 2011
<i>An Update on Neuromodulation Therapies for Treatment of Chronic Pain</i> Association of Academic Physiatrists Annual Meeting Chandler, AZ	April, 2010
<i>Introduction to Interventional Physiatry</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	October, 2010
<i>Advances in Spinal Cord and Peripheral Nerve Stimulation.</i> American Academy of PM&R, 70 <sup>th</sup> Annual Assembly Austin, TX	October, 2009
<i>Introduction to Spinal Cord and Peripheral Nerve Stimulation</i> St Lukes Quakertown Hospital, Annual CME Symposium Quakertown, PA	October, 2009

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<i>Radiology of the Lumbar Spine</i> 1 <sup>st</sup> Annual Pain Symposium Philadelphia, PA	May, 2009
<i>Radiology of the Lumbar Spine</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	December, 2008
<i>Charcot Marie Tooth Disease</i> Rehabilitation Medicine Resident Teaching Rounds Temple University Hospital, Philadelphia, PA	January 2008
<i>Acetabular Labral Injuries</i> American Osteopathic College of PM&R 112 <sup>th</sup> Annual American Osteopathic Convention, San Diego, CA	October 2007
<i>Body Weight Supported Treadmill Training in SCI and Stroke</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	February 2007
<i>Unilateral Neglect: Diagnosis, Clinical Features, Rehabilitation</i> Rehabilitation Medicine Grand Rounds Moss Rehabilitation Hospital, Elkins Park, PA	May 2006
<i>High Level Spinal Cord Injury in the Deaf Patient: A Case Report</i> Rehabilitation Medicine Teaching Attending Rounds Thomas Jefferson University Hospital, Philadelphia, PA	February 2003