Nanette C. Joyce, D.O., M.A.S.

Philosophy of Care
Dr. Joyce believes in multidisciplinary patient centered care for treatment and education of rare neuromuscular disorders.

Clinical Interests
Dr. Joyce specializes in Physical Medicine and Rehabilitation with a subspecialty in Neuromuscular Medicine. Her clinical interests focus on the diagnosis and treatment of motor neuron diseases, muscular dystrophies and myopathies. Dr. Joyce also specializes in electrodiagnostic medicine. Additionally, she is uniquely trained in the use of ultrasound to diagnose diaphragm dysfunction in patients with diaphragm paralysis due to motor neuron loss or phrenic nerve abnormalities.

Research/Academic Interests
Dr. Joyce completed a clinical research fellowship sponsored by the California Institute of Regenerative Medicine working to develop a stem cell therapy for patients diagnosed with ALS. She continues to be part of a translational stem cell team, at the Institute for Regenerative Cures, that is dedicated to bringing stem cell therapies to clinic for patients with neuromuscular disorders. In addition, her clinical research interest focuses on developing better diagnostic strategies and treatments for patients with ALS and other neuromuscular diseases.

Title
Assistant Professor of Clinical Physical Medicine and Rehabilitation
Co-Director of the Multidisciplinary ALS Clinic
Associate Director of the ACGME Neuromuscular Medicine Fellowship

Specialty
Neuromuscular Medicine, Physical Medicine and Rehabilitation, Electrodiagnostic Medicine

Department
Physical Medicine and Rehabilitation

Division
Physical Medicine and Rehabilitation

Address/Phone
Lawrence J. Ellison Ambulatory Care Center, Physical Medicine & Rehabilitation, 4860 Y St. Suite 1700 Sacramento, CA 95817
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Education
D.O., Touro University College of Osteopathic Medicine, Vallejo, California, 2004
M.A.S., UC Davis, Davis CA 2012
B.A., University of the Pacific, Stockton, California, 1982

Internships
Ingham Regional Medical Center, Lansing, MI, 2005

Residency
Michigan State University, East Lansing, MI, 2008

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Fellowships

University of California, Davis, Davis School of Medicine, Sacramento, CA, 2011

Neuromuscular Medicine Clinical Fellowship, University of California, Davis-Department of Physical Medicine and Rehabilitation, Sacramento , CA, 2009

Board Certifications

American Board of Physical Medicine and Rehabilitation, 2009

American Board of Physical Medicine and Rehabilitation-Neuromuscular Medicine

Professional Memberships

American Academy of Physical Medicine and Rehabilitation

American Association of Neuromuscular and Electrodiagnostic Medicine

American Osteopathic Association

Association of Academic Physiatrists

Honors and Awards

Dean's Team Award for Clinical Care: Neuromuscular Medicine Clinic, 2014

Wing Kai Fat Memorial Scholar, 2013

Dean's Team Award for Clinical Care: Multidisciplinary ALS Clinic, 2012

"Young Investigator" NIH travel award to the Tarrytown International ALS Research Conference, 2011

Association of Academic Physiatrists NIH K-12: Rehabilitation Scientist Training Program, 2010

Mentored Clinical Research Training Program; Trainee, 2010

California Institute for Regenerative Medicine Stem Cell Training Program, 2009

Touro University College of Osteopathic Medicine: Valedictorian and Outstanding Graduate Osteopathic Physician, 2004

Select Recent Publications

Sanchez B, Chang J, Bauer A, Joyce N, Patel C. Dynamic sonographic evaluation of posterior shoulder dislocation secondary to brachial plexus birth palsy injury. J Ultrasound Med. 2013 Sep; 32(9):1531-4.

McDonald CM, Henricson EK, Abresch RT, Florence JM, Eagle M, Gappmaier E, Glanzman AM; PTC124-GD-007-DMD Study Group, Spiegel R, Barth J, Elfring G, Reha A, Peltz S. The 6-minute walk test and other endpoints in Duchenne muscular dystrophy: longitudinal natural history observations over 48 weeks from a multicenter study. Muscle Nerve. 2013 Sep;48(3):343-56. doi: 10.1002/mus.23902. Epub 2013 Jun 26.

McDonald CM, Henricson EK, Abresch RT, Florence J, Eagle M, Gappmaier E, Glanzman AM; PTC124-GD-007-DMD Study Group, Spiegel R, Barth J, Elfring G, Reha A, Peltz SW. The 6-

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minute walk test and other clinical endpoints in duchenne muscular dystrophy: reliability, concurrent validity, and minimal clinically important differences from a multicenter study. Muscle Nerve. 2013 Sep;48(3):357-68. doi: 10.1002/mus.23905. Epub 2013 Jul 17.

McDonald CM, Henricson EK, Abresch RT, Han JJ, Escolar DM, Florence JM, Duong T, Arrieta A, Clemens PR, Hoffman EP, Cnaan A; The cooperative international neuromuscular research group duchenne natural history study-a longitudinal investigation in the era of glucocorticoid therapy: Design of protocol and the methods used.Cinrg Investigators. Muscle Nerve. 2013 Jul;48(1):32-54. doi: 10.1002/mus.23807. Epub 2013 May 16.

Henricson EK, Abresch RT, Cnaan A, Hu F, Duong T, Arrieta A, Han J, Escolar DM, Florence JM, Clemens PR, Hoffman EP, McDonald CM; CINRG Investigators. The cooperative international neuromuscular research group Duchenne natural history study: Glucocorticoid treatment preserves clinically meaningful functional milestones and reduces rate of disease progression as measured by manual muscle testing and other commonly used clinical trial outcome measures. Muscle Nerve. 2013 Jul;48(1):55-67. doi: 10.1002/mus.23808. Epub 2013 May 6.

Joyce NC, Carter GT. Electrodiagnosis in persons with amyotrophic lateral sclerosis. Arch Phys Med Rehabil. PM R. 2013 May;5(5 Suppl):S89-95. doi:10.1016/j.pmrj.2013.03.020. Epub 2013 Mar 21.

Wolfe LF, Joyce NC, McDonald CM, MD, Benditt, Finder J. Management of pulmonary complications in neuromuscular disease. Phys Med Rehabil Clin N Am. 2012 Nov;23(4):829-853.

Braun MM, Osecheck M, Joyce NC. Nutrition assessment and management in amyotrophic lateral sclerosis. Phys Med Rehabil Clin N Am. 2012 Nov;23(4):751-771.

Carter GT, Joyce NC, Abresch AL, Smith AE, VandeKeift GK. Using palliative care in progressive

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neuromuscular disease to maximize quality of life. Phys Med Rehabil Clin N Am. 2012 Nov;23(4): 903-909.

Joyce NC, Hache LP, Clemens PR. Bone health and associated metabolic complications in neuromuscular diseases.[Review] Phys Med Rehabil Clin N Am. 2012 Nov;23(4):773-799.

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