Craig M. McDonald, M.D.

Clinical Interests

Craig McDonald, M.D. is an internationally recognized expert in the clinical management and rehabilitation of neuromuscular diseases including muscular dystrophies and the development of novel outcome measures for clinical trials. He also is widely known for his expertise in the management of children and young adults with spinal cord injury and spina bifida.

Research/Academic Interests

McDonald directs the NIDRR-funded Rehabilitation Research and Training Center in Neuromuscular Diseases and serves as principal investigator of the UC Davis NINDS-funded site in the NeuroNEXT Neurosciences Clinical Trials National Consortium. He is recipient of over $16 million in federal grant support over the past 12 years.

McDonald has been involved in a multitude of NIH, MDA, CDC and Shriners hospitals national committees and serves as a consultant to the pharmaceutical industry regarding clinical trials in Duchenne muscular dystrophy and other muscular dystrophies. He has served on many NIH study sections reviewing research proposals relating to neuromuscular diseases and rehabilitation sciences.

His research has focused on novel clinical endpoint development in neuromuscular diseases, clinical trials and natural history studies in muscular dystrophies, metabolic syndrome, and energy expenditure in childhood disabilities.

Title

Professor and Chair, Department of Physical Medicine & Rehabilitation
Director, Neuromuscular Disease Clinics
Director, Spina Bifida Program
Director, Electrodiagnostic Laboratory, Shriners Hospital for Children Northern California
Director, NIDRR Rehabilitation Research Training Center in Neuromuscular Diseases

Specialty

Neuromuscular Medicine, Pediatric Rehabilitation Medicine, Physical Medicine and Rehabilitation

Department

Physical Medicine and Rehabilitation

Division

Physical Medicine and Rehabilitation

Center/Program Affiliation

Center for Healthcare Policy and Research
UC Davis Children's Hospital

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Craig M. McDonald, M.D.

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Education
M.D., University of Washington School of Medicine, Seattle, Washington, 1987
A.B., Stanford University, Palo Alto, California, 1982

Residency
Children's Hospital and Medical Center, University of Washington, Seattle, Washington, 1992
UCLA Medical Center, Los Angeles, California, 1989
University of Washington Medical Center, Seattle, Washington, 1989-1992

Board Certifications
American Board of Pediatrics, 1992
American Board of Physical Medicine and Rehabilitation, 1993
American Board of Physical Medicine and Rehabilitation-Neuromuscular Medicine, 2008
American Board of Physical Medicine and Rehabilitation-Pediatric Rehabilitation Medicine, 2003

Professional Memberships
American Academy of Cerebral Palsy and Developmental Medicine
American Academy of Neurology
American Academy of Pediatrics
American Academy of Physical Medicine and Rehabilitation
American Association of Neuromuscular and Electrodiagnostic Medicine
Association of Academic Physiatrists
World Muscle Society

Honors and Awards
UC Davis university-wide Affirmative Action Award, 1999
Young Academician Award presented by the Association of Academic Physiatrists for outstanding performance in teaching, research and academic administration, 1997
Nominated as a finalist for Richmond Cerebral Palsy Center Award, 1988
Thesis Honors from the University of Washington School of Medicine, 1987
Alpha Omega Alpha National Honor Medical Society, 1987
Thesis Honors from the University of Washington School of Medicine, 1986
Herbert S. Ripley Research, University of Washington School of Medicine, 1986
Northwest Association of Physical Medicine and Rehabilitation Medical Student Award for outstanding work in the area of Rehabilitation Medicine, 1985

Select Recent Publications
Bakshi N, Maselli RA, Gospe SM, Ellis WG, McDonald CM, Mandler RN. Fulminant demyelinating neuropathy mimicking cerebral death. Muscle Nerve 1997;20:1595-1597
Davis CH, Fardanesh L, Rubner D, Wanlass RL, McDonald CM. Profiles of functional recovery in 50 traumatically brain-injured patients after acute rehabilitation. American Journal of Physical Medicine & Rehabilitation 1997; 76:213-218

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Fone PD, Vapnek JM, Litwiller SE, Couillard DR, McDonald CM, Boggan JE, Stone AR. Urodynamic findings in the tethered spinal cord syndrome. Journal of Urology 1997;157(2):604-609

Im D, McDonald CM. New approaches to managing spasticity in children with cerebral palsy. The Western Journal of Medicine. 1997;166:271

Carter GT, Kilmer DD, Szabo RM, McDonald CM. Case of the Month: Focal posterior interosseus neuropathy in the presence of hereditary motor and sensory neuropathy type I. Muscle Nerve 1996;19:644-648

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