

Table 7-1

Spastic Skeletal Muscle Literature Summary

Literature Reference	Impact Factor ^d	Sample Size	Patient Diagnosis	Age (yr)	Study Type ^b
(Berger, Horstmann, & Dietz, 1984)	3.024	15	CVA, tumor, encephalitis, trauma	54.0	EMG Joint kinematics Mechanical
(Booth, Cortina-Borja & Theologis, 2001)	1.988	26	CP	10.6	Biopsy Histological Morphological—in vitro
(Broberg & Grimby, 1983)	1.101	10	MS, CP, CVA	28.0–56.0	Joint kinematics Mechanical
(Castle, Reyman, & Schneider, 1979)	1.166	85	CP	NR	Biopsy Histological
(Dietz, Quintern, & Berger, 1981)	7.407	10	CVA, tumor	47.5	EMG
(Dietz & Berger, 1984)	7.407		CVA, tumor, spondylitic myelopathy, myelitis		EMG
(Dietz, Ketelsen, Berger, & Quintern, 1986)	1.986	4	CVA, tumor	54.0	Biopsy EMG Histological Morphological—in vitro
(Dietz, Trippel, & Berger, 1991)	8.481	15	CVA, tumor, head injury	39.1	EMG Joint kinematics Mechanical
(Edström, 1968)	1.476	13	CVA, tumor, Parkinson's	NR	Biopsy Histological Morphological—in vitro
(Edström, 1970)	1.986	19	UMNL, Parkinson disease	50.0–73.0	Biopsy Histological Morphological—in vitro
(Ohata, Tsuboyama, Haruta, Ichihashi, Kato, & Nakamura, 2008)	2.433 ^a 2007	38	CP	12.7	Morphological—in vivo Clinical assessment
(Mirbagheri, Barbeau, Ladouceur, & Kearney, 2001)	2.306	9	SCI	37.2	Joint kinematics Mechanical
(Malaiya, McNee, Fry, Eve, Gough, & Shortland, 2007)	1.333	16	CP	7.8	Morphological—in vivo
(Thomas, Zaidner, Calancie, Broton, & Bigland-Ritchie, 1997)	2.863 ^a 1998	72	SCI	29.0	EMG Mechanical
(Castro, Apple, Rogers, & Dudley, 1999)	2.081	15	SCI	30.0	Biopsy Histological
(Ibrahim, Berger, Trippel, & Dietz, 1993)	5.739 ^a 1996	16	CVA, Tumor, head injury	56.2	EMG Mechanical
(Riley & Bilodeau, 2002)	0.889	10	CVA	64.1	EMG Mechanical
(O'Dwyer, Ada, & Neilson, 1996)	5.739	24	CVA	62.6	EMG Joint kinematics Mechanical
(Elder, Kirk, Stewart, Cook, Weir, & Marshall, 2003)	1.898	28	CP	5.0–12.0	EMG Mechanical Morphological—in vivo

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