

MANUELA CORTI

Education:

2002 PT, University Insubria of Varese
Medicine Department, Italy

Present Position:

2008 PhD student in Rehabilitation Science Doctoral Program
College of Health Profession, University of Florida, Gainesville, FL-

Graduate Research assistant, University of Florida

Past Position:

2003-2008 PT position, Department of Rehabilitation
San Raffaele Scientific Hospital, Milan, Italy

Research activities:

2003-2008 Researcher, Laboratory of Movement Analysis
Vita-Salute San Raffaele University, Milan, Italy

Teaching experience:

2003-2008 Teacher in “Electromyographic Analysis of Postural Movement” School
of Physiotherapy, Medicine Department,
Vita-Salute San Raffaele University, Milan, Italy

2003-2008 Teacher in “Human Anatomy Practice Exercitations”
School of Physiotherapy, Medicine Department,
Vita-Salute San Raffaele University, Milan, Italy

2006-2007 Teacher in “Clinical Observation”
School of Physiotherapy,
Italian Switzerland University, (SUPSI) Manno

Awards

2008-2012 Alumni Fellowship position that is a Graduate Assistant – Research
appointment and Grinter Fellowship appointment

2008 Outstanding Academic Achievement Awards. University of Florida

2008 Graduate Travel Funds to attend the 2nd Summer school on 'Advanced Technologies for Neuro-Motor Assessment and Rehabilitation'. Dept. 11030000; Fund. Code 209; Prog. Code 2200; source of Funds G000820; Project 00000537

Publications:

Indexed journals

Gatti R, **Corti M**, Govetto S, Bonzani K, Boccardi S.
Electromyographic activity to keep a lower limb in a raised position in healthy subjects and subjects with Multiple Sclerosis 2008; 14(5):691-693

Gatti R, **Corti M**, Cervi P, Pulici L, Boccardi S.
Biomechanics of lower limb raising from the supine position.
Eur Med Phys 2006; 42:185-193

Gatti R, **Corti M**, Barbero M, Testa M.
Electromyography activity of the rectus abdominis during an exercise performed with the ab-slider. Sports Science for Health 2006; 1 (3):109-112

Rocca M, Gatti R, Agosta F, Broglia P, Rossi P, Riboldi E, **Corti M**, Comi G, Filippi M.
Influence of task complexity during coordinated hand and foot movements in MS patients with and without fatigue: a kinematic and functional MRI study.
Article submitted to Human Brain Mapping.

Gatti R, Barbero M, **Corti M**, Mandrile F.
Myoelectric manifestation of fatigue in tibialis anterior of subjects affected by shin muscle weakness due to L4-L5 radiculopathy: a preliminary study.
Article submitted to Manual Therapy

No-indexed Journals

Vendramin D, **Corti M**. Gait analysis of a subject with a monolateral plantar flexor deficit: case report.
Sci Riabilitaz 2004; 5 (1):9-13

Barbero M, **Corti M**, Testa M. Rectus abdominis activation during an Ab-Slider exercise.
Sci Riabilitaz 2003; 4 (3-4):85-88

Corti M, Sirtori V. Effectiveness of balance exercises versus muscular reinforcement exercises in patients with cemented hip prosthesis and with intramedullar hip nail: preliminary study. Sci Riabilitaz 2002; 3 (2): 43-45

Presentations and posters

Corti M, McGuirk T, Patten C. Differential effects on upper-extremity motor control following functional task practice and dynamic resistance training in low functioning persons post-stroke.

The 4th Annual Neuromuscular Plasticity Symposium. University of Florida, Gainesville FL, 2008

Corti M, McGuirk T, Patten C. Differential effects on kinematics of free reaching after functional task practice and dynamic resistance training in low functioning persons post-stroke. 2nd Summer School on Advanced Technologies for Neuro-Motor Assessment and Rehabilitation. Bologna, Italy, 2008

Gatti R, **Corti M**, Civitelli C, Coloberti D, Sosio C. Quadriceps activation during two different exercises prior and after knee arthroscopy.
VI Italian Society Congress of the Clinical Movement Analysis. Empoli , Italy, 2006

Gatti R, **Corti M**, Bonzani K, Govetto S, Corti G. Two different patterns of muscular activation of maintaining one lower limb elevated from the supine position.
XV International Isokinetic Congress. Torino , Italy, 2006

Corti M, Cirilli A, Corti G, Gatti R. Maximal electromyography activity of the biceps femoris in different exercises performed at the same muscle length. XV International Isokinetic Congress. Torino , Italy, 2006

Gatti R, **Corti M**, Comola M, Comi G, Rossi P. Muscle activation in multiple sclerosis patients during antigravitary movements of lower limb.
4th World Congress for neurorehabilitation, Hon Kong 2006

Gatti R, Barbero M, **Corti M**, Mandrile F.
Myoelectric manifestation of fatigue at the tibialis anterior in subjects affected by drop foot due to L4/L5 radiculopathy .
Poster: 2nd International Conference on movement dysfunction. Edinburgh International Conference Centre, UK, 2005

Gatti R, **Corti M**, Bonzani K, Govetto S, Boccardi S.
Muscular activation in two different modalities of maintaining one lower limb elevated from the supine position in healthy subjects and subjects with multiple sclerosis.
Poster: VI Congresso della Società Italiana di Analisi del Movimento in Clinica.
Il movimento nel bambino, nell'adulto e nella patologia. Tirrenia (Pisa) , Italy, 2005

Gatti R, **Corti M**, Pulici L, Cervi P, Boccardi S.
Biomechanics of the right lower limb raising after either total hip replacement or gamma nail surgery in the left leg.
Poster: XIV Isokinetic Congress. The accelerated rehabilitation of injured athlete. Bologna, Italy, 2005

Corti M, Gatti R, Corti G.
Balance in standing position after treadmill and ergometer cycle training.
Poster: XIV Isokinetic Congress- The accelerated rehabilitation of injured athlete. Bologna, Italy, 2005

Gatti R, Barbero M, **Corti M**, Testa M.
Electromyographic activity of the abdominal muscles during an exercise performed with the ab slider
Poster: Congress of IFOMT. Balancing the outcome of manual therapy . Cape Town, 2004

Gatti R, Barbero M, **Corti M**, Testa.

Electromyographic activity of the rectus abdominis during an exercise performed with the ab slider and crunch.

Poster: International symposium on neuromuscular assessment in the elderly worker. Torino, Italy, 2004

Fraschini G, Sirtori P, Gatti R, **Corti M**, Mezzadri U, Sosio C.

Movement analysis in patients with knee prosthesis: functional evaluation in acute fase.

Poster: 2° International Mediterranean Orthopaedics Society Congress, Italy, 2004.