

DOCT. MANGANOTTI PAOLO

Nato il 25 Agosto 1963. Laureato in Medicina nel 1989, specializzato in Neurologia nel 1993 con il massimo dei voti. Dal gennaio 1994 all'agosto 1994: research fellowship presso il Dipartimento di Neurofisiologia clinica del Childrens' Hospital della Harvard Medical School Boston, Massachusetts, USA. Tutor: Prof F.H. Duffy. Dall'agosto 1994 al luglio 1995 frequenta come PhD student la Human Motor section presso il National Institute of Disorders and stroke del National Institute Of Health, Bethesda, Maryland, USA. Tutor: Chairman Dr M. Hallett. Gennaio 1995-Febbraio 1999 Dottorato di Ricerca in Neuroscienze (X ciclo) presso l'Università Verona. Dal 1998 è assistente presso la Sezione di Neurologia Riabilitativa del Policlinico GB Rossi dell'Università di Verona. Nel 2003 diploma di specializzazione in Medicina Fisica e Riabilitazione. Dall'Agosto al Settembre 2003 frequenta come scientist il National Institute Of Neurology of University College of London (UCL), UK. Nel 2008 consegue l'idoneità per professore associato in Neurologia. Responsabile dell'ambulatorio di Neurofisiologia Clinica della Sezione di Neurologia ad indirizzo Riabilitativo con attività ambulatoriale EMG e potenziali evocati. Responsabile dell'ambulatorio per il trattamento della spasticità. Dal Gennaio 2009 ha l'alta specialità per la Neurofisiologia Clinica e Neuroimaging. La sua attività di ricerca è indirizzata al recupero motorio in riabilitazione neurologica in particolare nello stroke e alla diagnosi e al trattamento dell'epilessia. La sua attività di ricerca, si svolge operativamente sia nelle applicazioni della stimolazione magnetica (TMS) nello stroke e in epilessia, sia nella stimolazione ripetitiva (rTMS) sul sistema centrale e periferico, nell'analisi del movimento videopoli-EMG, e nello studio delle performance motorie nel malato neurologico durante la riabilitazione. E' tra i primi in Italia nello sperimentare le coregistrazione EEG – fMRI che esegue ormai da almeno tre anni e che rappresentano una novità nello studio dell'epilessia. Collabora con differenti Istituzioni come l'IRCCS del S. Camillo di Venezia, la Neurochirurgia dell'Università di Verona (Dr Sala), la Sezione di riabilitazione Cognitiva di Rovereto, dell'Università di Trento. Autore di 70 pubblicazioni in extenso su riviste internazionali con impact factor e visibili su pubmed. Relatore in numerosi congressi nazionali ed internazionali da almeno 12 anni. Autore e coautore di almeno 200 lavori congressuali. Già' principal investigator in differenti progetti di ricerca PRIN nazionali. Responsabile scientifico di workshop e corsi di aggiornamento tra cui si ricorda il workshop internazionale sull' High density EEG in epilessia nel gennaio 2008. Ha partecipato ad una missione con il Ministero degli Esteri nell'ambito di una collaborazione internazionale Italia Israele nel 2005. Autore di un consensus paper europeo sul trattamento della spasticità (2009). Recentemente invitato come chairman al Congresso internazionale di Stimolazione Magnetica Transcranica tenutosi a Goettingen nell' ottobre 2008. E' nel gruppo di Studio del neuroimaging in Epilessia.

Pubblicazioni su riviste internazionali n. 94 (H index 22)

Changes in cerebral activity after decreased upper-limb hypertonus: An EMG-fMRI study
[Manganotti, P.](#), [Acler, M.](#), [Formaggio, E.](#), [Avesani, M.](#), [Milanese, F.](#), [Baraldo, A.](#), [Storti, S.F.](#), [Fiaschi, A.](#) 2010 *Magnetic Resonance Imaging* 28 (5), pp. 646-652

Surgical treatment of high-grade gliomas in motor areas. The impact of different supportive technologies: a 171-patient series

Talacchi, A., Turazzi, S., Locatelli, F., Sala, F., Beltramello, A., Alessandrini, F., Manganotti, P., Gerosa, M. 2010 *Journal of Neuro-Oncology*, pp. 1-10 Article in Press

Intraoperative neurophysiology of the motor system in children: A tailored approach
Sala, F., Manganotti, P., Grossauer, S., Tramontano, V., Mazza, C., Gerosa, M. 2010 *Child's Nervous System* 26 (4), pp. 473-490

Effect of shock wave stimulation on hypertonic plantar flexor muscles in patients with cerebral palsy: A placebo-controlled study
Amelio, E., Manganotti, P. 2010 *Journal of Rehabilitation Medicine* 42 (4), pp. 339-343 0

Wavelet analysis as a tool for investigating movement-related cortical oscillations in EEG-fMRI coregistration
Storti, S.F., Formaggio, E., Beltramello, A., Fiaschi, A., Manganotti, P. 2010 *Brain Topography* 23 (1), pp. 46-57

Effects of intravenous antidepressant drugs on the excitability of human motor cortex: a study with paired magnetic stimulation on depressed patients
Minelli, A., Bortolomasi, M., Scassellati, C., Salvoro, B., Avesani, M., Manganotti, P. 2010 *Brain Stimulation* 3 (1), pp. 15-21 0

Selection of optimal hemodynamic response function for fMRI analysis on acute stroke patients
Storti, S.F., Formaggio, E., Bertoldo, A., Manganotti, P., Fiaschi, A., Toffolo, G.M. 2009 *IFMBE Proceedings* 25 IFMBE (4), pp. 253-256 0

Gradient artifact removal in co-registration EEG/fMRI
Sartori, E., Formaggio, E., Storti, S.F., Bertoldo, A., Manganotti, P., Fiaschi, A., Toffolo, G.M. 2009 *IFMBE Proceedings* 25 IFMBE (4), pp. 1143-1146 0

Steady-state activation in somatosensory cortex after changes in stimulus rate during median nerve stimulation
Manganotti, P., Formaggio, E., Storti, S.F., Avesani, M., Acler, M., Sala, F., Magon, S., (...), Beltramello, A. 2009 *Magnetic Resonance Imaging* 27 (9), pp. 1175-1186 0

Long-term levodopa administration in chronic stroke patients. A clinical and neurophysiologic single-blind placebo-controlled cross-over pilot study
Acler, M., Fiaschi, A., Manganotti, P. 2009 *Restorative Neurology and Neuroscience* 27 (4), pp. 277-283 0

EEG-fMRI coregistration in non-ketotic hyperglycemic occipital seizures
Del Felice, A., Zanoni, T., Avesani, M., Formaggio, E., Storti, S., Fiaschi, A., Moretto, G., Manganotti, P. 2009 *Epilepsy Research* 85 (2-3), pp. 321-324 0

A double blind placebo RCT to investigate the effects of serotonergic modulation on brain excitability and motor recovery in stroke patients
Acler, M., Robol, E., Fiaschi, A., Manganotti, P. 2009 *Journal of Neurology* 256 (7), pp. 1152-1158 citazioni 1

European consensus table on the use of botulinum toxin type a in adult spasticity
[Wissel, J.](#), [Ward, A.B.](#), [Erztgaard, P.](#), [Bensmail, D.](#), [Hecht, M.J.](#), [Lejeune, T.M.](#), [Schnider, P.](#), [Manganotti, P.](#) (...), [Tieranta, N.](#) 2009 *Journal of Rehabilitation Medicine* 41 (1), pp. 13-25 [6](#)

EEG and fMRI coregistration to investigate the cortical oscillatory activities during finger movement
[Formaggio, E.](#), [Storti, S.F.](#), [Avesani, M.](#), [Cerini, R.](#), [Milanese, F.](#), [Gasparini, A.](#), [Acler, M.](#), (...), [Manganotti, P.](#) 2008 *Brain Topography* 21 (2), pp. 100-111 [2](#)

Combined therapy with zonisamide in progressive myoclonic epilepsy | [Effetto della terapia combinata con zonisamide nell'epilessia mioclonica progressiva]
[Bongiovanni, L.G.](#), [Rubboli, G.](#), [Michelucci, R.](#), [Avesani, M.](#), [Rossini, F.](#), [Cavallin, M.](#), [Manganotti, P.](#) (...), [Rizzuto, N.](#) 2008 *Bollettino - Lega Italiana contro l'Epilessia* (138), pp. 281-282 [0](#)

Effect of a static magnetic field (1.5T) on brain oscillatory activities in resting state condition
[Formaggio, E.](#), [Avesani, M.](#), [Storti, S.F.](#), [Milanese, F.](#), [Gasparini, A.](#), [Acler, M.](#), [Cerini, R.](#), (...), [Manganotti, P.](#) 2008 *Neuroradiology Journal* 21 (5), pp. 629-635 [1](#)

Continuous EEG-fMRI in patients with partial epilepsy and focal interictal slow-wave discharges on EEG
[Manganotti, P.](#), [Formaggio, E.](#), [Gasparini, A.](#), [Cerini, R.](#), [Bongiovanni, L.G.](#), [Storti, S.F.](#), [Mucelli, R.P.](#), (...), [Avesani, M.](#) 2008 *Magnetic Resonance Imaging* 26 (8), pp. 1089-1100 [6](#)

The effect of repetitive transcranial magnetic stimulation on motor performance, fatigue and quality of life in amyotrophic lateral sclerosis
[Zanette, G.](#), [Forgione, A.](#), [Manganotti, P.](#), [Fiaschi, A.](#), [Tamburini, S.](#) 2008 *Journal of the Neurological Sciences* 270 (1-2), pp. 18-22 [2](#)

Motor cortical disinhibition during early and late recovery after stroke
[Manganotti, P.](#), [Acler, M.](#), [Zanette, G.P.](#), [Smania, N.](#), [Fiaschi, A.](#) 2008 *Neurorehabilitation and Neural Repair* 22 (4), pp. 396-403 [12](#)

Subcortical mapping and motor evoked potential monitoring in brain tumor surgery
[Sala, F.](#), [Manganotti, P.](#), [Lanteri, P.](#), [Talachchi, A.](#), [Turazzi, S.](#), [Pinna, G.](#), [Tramontano, V.](#), (...), [Gerosa, M.](#) 2008 *Rivista Medica* 14 (2), pp. 57-61 [0](#)

Corticospinal excitability in human subjects during nonrapid eye movement sleep: Single and paired-pulse transcranial magnetic stimulation study
[Avesani, M.](#), [Formaggio, E.](#), [Fuggetta, G.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2008 *Experimental Brain Research* 187 (1), pp. 17-23 [1](#)

Modulation of cortical oscillatory activity during transcranial magnetic stimulation
[Brignani, D.](#), [Manganotti, P.](#), [Rossini, P.M.](#), [Miniussi, C.](#) 2008 *Human Brain Mapping* 29 (5), pp. 603-612 [11](#)

Continuous EEG-fMRI in pre-surgical evaluation of a patient with symptomatic seizures: Bold activation EEG linked to interictal epileptic discharges caused by Cavernoma

[Avesani, M.](#), [Formaggio, E.](#), [Milanese, F.](#), [Baraldo, A.](#), [Gasparini, A.](#), [Cerini, R.](#), [Bongiovanni, L.G.](#), (...), [Manganotti, P.](#) 2008 *Neuroradiology Journal* 21 (2), pp. 183-191 [4](#)

f-MRI in epilepsy with spike and wave activity evoked by eye closure: Different bold activation in a patient with idiopathic partial epilepsy with occipital spikes and a control group

[Avesani, M.](#), [Formaggio, E.](#), [Storti, S.](#), [Alessandrini, F.](#), [Bongiovanni, L.G.](#), [Cordioli, C.](#), [Beltramello, A.](#), (...), [Manganotti, P.](#) 2008 *Neuroradiology Journal* 21 (2), pp. 159-165 [1](#)

Combined effects of botulinum toxin and casting treatments on lower limb spasticity after stroke

[Farina, S.](#), [Migliorini, C.](#), [Gandolfi, M.](#), [Bertolasi, L.](#), [Casarotto, M.](#), [Manganotti, P.](#), [Fiaschi, A.](#), [Smania, N.](#) 2008 *Functional Neurology* 23 (2), pp. 87-91 [2](#)

Acute modulation of cortical oscillatory activities during short trains of high-frequency repetitive transcranial magnetic stimulation of the human motor cortex: A combined EEG and TMS study

[Fuggetta, G.](#), [Pavone, E.F.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2008 *Human Brain Mapping* 29 (1), pp. 1-13 [11](#)

Monitoring of motor pathways during brain stem surgery: What we have achieved and what we still miss?

[Sala, F.](#), [Manganotti, P.](#), [Tramontano, V.](#), [Bricolo, A.](#), [Gerosa, M.](#) 2007 *Neurophysiologie Clinique* 37 (6), pp. 399-406 [5](#)

Repetitive magnetic stimulation of the sacral roots for the treatment of stress incontinence: A brief report

[Manganotti, P.](#), [Zaina, F.](#), [Vedovi, E.](#), [Pistoia, L.](#), [Rubilotta, E.](#), [D'Amico, A.](#), [Falso, M.](#) 2007 *Europa Medicophysica* 43 (3), pp. 339-344 [0](#)

Off-line removal of TMS-induced artifacts on human electroencephalography by Kalman filter

[Morbidi, F.](#), [Garulli, A.](#), [Prattichizzo, D.](#), [Rizzo, C.](#), [Manganotti, P.](#), [Rossi, S.](#) 2007 *Journal of Neuroscience Methods* 162 (1-2), pp. 293-302 [8](#)

Long-lasting effects of high frequency repetitive transcranial magnetic stimulation in major depressed patients

[Bortolomasi, M.](#), [Minelli, A.](#), [Fuggetta, G.](#), [Perini, M.](#), [Comencini, S.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2007 *Psychiatry Research* 150 (2), pp. 181-186 [7](#)

Evaluation of botulinum toxin therapy of spastic equinus in paediatric patients with cerebral palsy

[Manganotti, P.](#), [Zaina, F.](#), [Falso, M.](#), [Milanese, F.](#), [Fiaschi, A.](#) 2007 *Journal of Rehabilitation Medicine* 39 (2), pp. 115-120 [3](#)

Active finger extension: A simple movement predicting recovery of arm function in patients with acute stroke

[Smania, N.](#), [Paolucci, S.](#), [Tinazzi, M.](#), [Borghero, A.](#), [Manganotti, P.](#), [Fiaschi, A.](#), [Moretto, G.](#), (...), [Gambarin, M.](#) 2007 *Stroke* 38 (3), pp. 1088-1090 [8](#)

Slow repetitive TMS for drug-resistant epilepsy: Clinical and EEG findings of a placebo-controlled trial

[Cantello, R.](#), [Rossi, S.](#), [Varrasi, C.](#), [Ulivelli, M.](#), [Civardi, C.](#), [Bartalini, S.](#), [Vatti, G.](#), (...), [Rossini, P.M.](#) 2007 *Epilepsia* 48 (2), pp. 366-374 [22](#)

Cortical mapping, subcortical mapping and motor evoked potential monitoring using the monopolar short train technique: Advantages and limitations

[Sala, F.](#), [Lanteri, P.](#), [Manganotti, P.](#), [Pinna, G.](#), [Talachchi, A.](#), [Turazzi, S.](#), [Tramontano, V.](#), (...), [Gerosa, M.](#) 2006 *Rivista Medica* 12 (1-2), pp. 33-38 [1](#)

Effects of sleep deprivation on cortical excitability in patients affected by juvenile myoclonic epilepsy: A combined transcranial magnetic stimulation and EEG study

[Manganotti, P.](#), [Bongiovanni, L.G.](#), [Fuggetta, G.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2006 *Journal of Neurology, Neurosurgery and Psychiatry* 77 (1), pp. 56-60 [14](#)

Modulation of cortical oscillatory activities induced by varying single-pulse transcranial magnetic stimulation intensity over the left primary motor area: A combined EEG and TMS study

[Fuggetta, G.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2005 *NeuroImage* 27 (4), pp. 896-908 [20](#)

Long-term effect of shock wave therapy on upper limb hypertonia in patients affected by stroke

[Manganotti, P.](#), [Amelio, E.](#) 2005 *Stroke* 36 (9), pp. 1967-1971 [8](#)

Pedobarometric evaluation of equinus foot disorder after injection of botulinum toxin A in children with cerebral palsy: A pilot study

[Falso, M.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2005 *Developmental Medicine and Child Neurology* 47 (6), pp. 396-402 [6](#)

Effects of citalopram on the excitability of the human motor cortex: A paired magnetic stimulation study

[Robol, E.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2004 *Journal of the Neurological Sciences* 221 (1-2), pp. 41-46 [11](#)

Modulation of motor cortex excitability after upper limb immobilization

[Zanette, G.](#), [Manganotti, P.](#), [Fiaschi, A.](#), [Tamburin, S.](#) 2004 *Clinical Neurophysiology* 115 (6), pp. 1264-1275 [31](#)

Serum levels of carbamazepine and cortical excitability by magnetic brain stimulation

[Turazzini, M.](#), [Manganotti, P.](#), [Del Colle, R.](#), [Silvestri, M.](#), [Fiaschi, A.](#) 2004 *Neurological Sciences* 25 (2), pp. 83-90 [8](#)

Changes of motor cortical excitability in human subjects from wakefulness to early stages of sleep: A combined transcranial magnetic stimulation and electroencephalographic study

[Manganotti, P.](#), [Fuggetta, G.](#), [Fiaschi, A.](#) 2004 *Neuroscience Letters* 362 (1), pp. 31-34 [4](#)

Enhanced intracortical inhibition in cerebellar patients

[Tamburin, S.](#), [Fiaschi, A.](#), [Marani, S.](#), [Andreoli, A.](#), [Manganotti, P.](#), [Zanette, G.](#) 2004 *Journal of the Neurological Sciences* 217 (2), pp. 205-210 [11](#)

Stimulus-response properties of motor system in patients with cerebellar ataxia

[Tamburin, S.](#), [Fiaschi, A.](#), [Andreoli, A.](#), [Marani, S.](#), [Manganotti, P.](#), [Zanette, G.](#) 2004 *Clinical Neurophysiology* 115 (2), pp. 348-355 [3](#)

Motor Responses to Afferent Stimulation in Juvenile Myoclonic Epilepsy

[Manganotti, P.](#), [Tamburin, S.](#), [Bongiovanni, L.G.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2004 *Epilepsia* 45 (1), pp. 77-80 [12](#)

Abnormal sensorimotor integration is related to disease severity in Parkinson's disease: A TMS study

[Tamburin, S.](#), [Fiaschi, A.](#), [Idone, D.](#), [Lochner, P.](#), [Manganotti, P.](#), [Zanette, G.](#) 2003 *Movement Disorders* 18 (11), pp. 1316-1324 [11](#)

Modulation of motor cortex excitability in the left hemisphere during action observation: A single- and paired-pulse transcranial magnetic stimulation study of self- and non-self-action observation

▣ [Patuzzo, S.](#), [Fiaschi, A.](#), [Manganotti, P.](#) 2003 *Neuropsychologia* 41 (9), pp. 1272-1278 [42](#)

Abnormal cutaneomotor integration in patients with cerebellar syndromes: A transcranial magnetic stimulation study

[Tamburin, S.](#), [Fiaschi, A.](#), [Andreoli, A.](#), [Forgione, A.](#), [Manganotti, P.](#), [Zanette, G.](#) 2003 *Clinical Neurophysiology* 114 (4), pp. 643-651 [6](#)

Changes in motor cortex inhibition over time in patients with amyotrophic lateral sclerosis

[Zanette, G.](#), [Tamburin, S.](#), [Manganotti, P.](#), [Refatti, N.](#), [Forgione, A.](#), [Rizzuto, N.](#) 2002 *Journal of Neurology* 249 (12), pp. 1723-1728 [26](#)

.

Abnormal somatotopic arrangement of sensorimotor interactions in dystonic patients

[Tamburin, S.](#), [Manganotti, P.](#), [Marzi, C.A.](#), [Fiaschi, A.](#), [Zanette, G.](#) 2002 *Brain* 125 (12), pp. 2719-2730 [31](#)

Different mechanisms contribute to motor cortex hyperexcitability in amyotrophic lateral sclerosis

[Zanette, G.](#), [Tamburin, S.](#), [Manganotti, P.](#), [Refatti, N.](#), [Forgione, A.](#), [Rizzuto, N.](#) 2002 *Clinical Neurophysiology* 113 (11), pp. 1688-1697 [33](#)

Motor disinhibition in affected and unaffected hemisphere in the early period of recovery after stroke

[Manganotti, P.](#), [Patuzzo, S.](#), [Cortese, F.](#), [Palermo, A.](#), [Smania, N.](#), [Fiaschi, A.](#) 2002 *Clinical Neurophysiology* 113 (6), pp. 936-943 [83](#)

Hyperexcitable cortical responses in progressive myoclonic epilepsy: A TMS study

[Manganotti, P.](#), [Tamburin, S.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2001 *Neurology* 57 (10), pp. 1793-1799 [37](#)

Cutaneomotor integration in human hand motor areas: Somatotopic effect and interaction of afferents

[Tamburini, S.](#), [Manganotti, P.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2001 [Experimental Brain Research](#) 141 (2), pp. 232-241 [33](#)

Decrease in motor cortical excitability in human subjects after sleep deprivation

[Manganotti, P.](#), [Palermo, A.](#), [Patuzzo, S.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2001 [Neuroscience Letters](#) 304 (3), pp. 153-156 [22](#)

Intravenous clomipramine decreases excitability of human motor cortex. A study with paired magnetic stimulation

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Manganotti, P.](#), [Bortolomasi, M.](#), [Zanette, G.](#), [Pawelzik, T.](#), [Giacopuzzi, M.](#), [Fiaschi, A.](#) 2001 [Journal of the Neurological Sciences](#) 184 (1), pp. 27-32 [21](#)

Modulations of motor system excitability following high-frequency electrical stimulation in normal subjects

[Patuzzo, S.](#), [Runello, E.](#), [Manganotti, P.](#), [Fiaschi, A.](#) 2000 [Neurological Sciences](#) 21 (4 SUPPL.), pp. S98 0

Left frontal lobe, high-frequency, repetitive transcranial magnetic stimulation in patients affected by depression: A case control pilot study on short-and long-term effect

[Bortolomasi, M.](#), [Manganotti, P.](#), [Comencini, A.](#), [Patuzzo, S.](#), [Palermo, A.](#), [Giacopuzzi, G.M.](#), [Fiaschi, A.](#) 2000 [Neurological Sciences](#) 21 (4 SUPPL.), pp. S144-145 0

Changes in intracortical excitability in both hemispheres in patients affected by stroke during the motor recovery

[Manganotti, P.](#), [Patuzzo, S.](#), [Palermo, A.](#), [Zanette, G.P.](#), [Smania, N.](#), [Fiaschi, A.](#) 2000 [Neurological Sciences](#) 21 (4 SUPPL.), pp. S140 0

Early and late intracortical inhibition in juvenile myoclonic epilepsy

[Manganotti, P.](#), [Bongiovanni, L.G.](#), [Zanette, G.](#), [Fiaschi, A.](#) 2000 [Epilepsia](#) 41 (9), pp. 1129-1138 [33](#)

Contribution of motor cortex in generation of evoked spikes in patients with benign rolandic epilepsy

[Manganotti, P.](#), [Zanette, G.](#) 2000 [Clinical Neurophysiology](#) 111 (6), pp. 964-974 [17](#)

Cortical excitability in patients after loading doses of lamotrigine: A study with magnetic brain stimulation

[Manganotti, P., Bongiovanni, L.G., Zanette, G., Turazzini, M., Fiaschi, A.](#) 1999 *Epilepsia* 40 (3), pp. 316-321 [44](#)

Neurophysiological evidence of neuroplasticity at multiple levels of the somatosensory system in patients with carpal tunnel syndrome

[Tinazzi, M., Zanette, G., Volpato, D., Testoni, R., Bonato, C., Manganotti, P., Miniussi, C., Fiaschi, A.](#) 1998 *Brain* 121 (9), pp. 1785-1794 [47](#)

Scalp topography and source analysis of interictal spontaneous spikes and evoked spikes by digital stimulation in benign rolandic epilepsy

[Manganotti, P., Miniussi, C., Santorum, E., Tinazzi, M., Bonato, C., Polo, A., Marzi, C.A., \(...\), Zanette, G.](#) 1998 *Electroencephalography and Clinical Neurophysiology* 107 (1), pp. 18-26 [13](#)

Effects of voluntary contraction on tibial nerve somatosensory evoked potentials: Gating of specific cortical responses

[Tinazzi, M., Fiaschi, A., Mauguière, F., Manganotti, P., Polo, A., Bonato, C., Zanette, G.](#) 1998 *Neurology* 50 (6), pp. 1655-1661 [18](#)

Spike topography and functional magnetic resonance imaging (fMRI) in benign rolandic epilepsy with spikes evoked by tapping stimulation

[Manganotti, P., Zanette, G., Beltramello, A., Puppini, G., Miniussi, C., Maravita, A., Santorum, E., \(...\), Bernardina, B.D.](#) 1998 *Electroencephalography and Clinical Neurophysiology* 107 (2), pp. 88-92 [8](#)

Influence of somatosensory input on paroxysmal activity in benign rolandic epilepsy with 'extreme somatosensory evoked potentials'

[Manganotti, P., Miniussi, C., Santorum, E., Tinazzi, M., Bonato, C., Marzi, C.A., Fiaschi, A., \(...\), Zanette, G.](#) 1998 *Brain* 121 (4), pp. 647-658 [18](#)

Task-related coherence and task-related spectral power changes during sequential finger movements

[Manganotti, P., Gerloff, C., Toro, C., Katsuta, H., Sadato, N., Zhuang, P., Leocani, L., Hallett, M.](#) 1998 *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control* 109 (1), pp. 50-62 [100](#)

Erratum: Clinical and radiological aspects of Tapia's syndrome: A case report (Italian Journal of Neurological Sciences (1998) 18:4 (140))

[Passarin, M.G., Scienza, R., Manganotti, P., Gambina, G., Tomelleri, G., Bovi, P., Tezzon, E., \(...\), Ferrari, G.](#) 1998 *Italian Journal of Neurological Sciences* 19 (4), pp. 204 0

Selective involvement of tibial nerve cortical somatosensory evoked potentials in patients affected by parkinson's disease (PD)

[Tinazzi, M., Zanette, G., Lochner, P., Manganotti, P., Bonato, C., Polo, A., Fiaschi, A.](#) 1997 *Italian Journal of Neurological Sciences* 18 (4), pp. 21 0



result71.

Amplitude changes of tibial nerve cortical somatosensory evoked potentials when the ipsilateral or contralateral ear is used as reference

[Abstract + Refs](#) [View at Publisher](#) [+ Show Abstract](#) [Tinazzi, M., Zanette, G., Manganotti, P., Bonato, C., Polo, A., Fiaschi, A., Mauguière, F.](#) 1997 *Journal of Clinical Neurophysiology* 14 (3), pp. 217-225 [12](#)



result72.

Modulation of motor cortical output to distal muscles during contralateral sequential finger movement: a study with transcranial magnetic stimulation

[Abstract + Refs](#) [+ Show Abstract](#) [Zanelte, G., Tinazzi, M., Beltramello, A., Puppini, G., Manganotti, P., Bonato, C., Fiaschi, A.](#) 1997 *Italian Journal of Neurological Sciences* 18 (4), pp. 51 0



result73.

Lower-limb lengthening in short stature. An electrophysiological and clinical assessment of peripheral nerve function

[Abstract + Refs](#) [View at Publisher](#) [+ Show Abstract](#) [Polo, A., Aldegheri, R., Zambito, A., Trivella, G., Manganotti, P., De Grandis, D., Rizzuto, N.](#) 1997 *Journal of Bone and Joint Surgery - Series B* 79 (6), pp. 1014-1018 [14](#)



result74.

F-MRI of the brain. Clinical applications | [Risonanza magnetica funzionale cerebrale applicazioni cliniche]

[Abstract + Refs](#) [+ Show Abstract](#) [Beltramello, A., Puppini, G., El-Dalati, G., Cerini, R., Manganotti, P., Tinazzi, M.](#) 1997 *Rivista di Neuroradiologia* 10 (SUPPL. 2), pp. 13-14 0



result75.

Crossed and direct effects of digital nerves stimulation on motor evoked potential: A study with magnetic brain stimulation

[Abstract + Refs](#) [View at Publisher](#) [+ Show Abstract](#) [Manganotti, P., Zanette, G., Bonato, C., Tinazzi, M., Polo, A., Fiaschi, A.](#) 1997 *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control* 105 (4), pp. 280-289 [36](#)



result76.

Reversible changes of motor cortical outputs following immobilization of the upper limb

[Abstract + Refs](#) [View at Publisher](#) [+ Show Abstract](#) [Zanette, G., Tinazzi, M., Bonato, C., Di Summa, A., Manganotti, P., Polo, A., Fiaschi, A.](#) 1997 *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control* 105 (4), pp. 269-279 [59](#)



result77.

Event-related coherence and event-related desynchronization/synchronization in the 10 Hz and 20 Hz EEG during self-paced movements

[Abstract + Refs](#) [View at Publisher](#) [+ Show Abstract](#) [Leocani, L., Toro, C., Manganotti, P., Zhuang, P., Hallett, M.](#) 1997 *Electroencephalography and Clinical Neurophysiology - Evoked Potentials* 104 (3), pp. 199-206 [116](#)



result78.

Event-related desynchronization (ERD) in the alpha frequency during development of implicit and explicit learning

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Zhuang, P., Toro, C., Grafman, J., Manganotti, P., Leocani, L., Hallett, M.](#) 1997 *Electroencephalography and Clinical Neurophysiology* 102 (4), pp. 374-381 [30](#)



result79.

Transient deafferentation in humans induces rapid modulation of primary sensory cortex not associated with subcortical changes: A somatosensory evoked potential study

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Tinazzi, M., Zanette, G., Polo, A., Volpato, D., Manganotti, P., Bonato, C., Testoni, R., Fiaschi, A.](#) 1997 *Neuroscience Letters* 223 (1), pp. 21-24 [34](#)



result80.

Neural generators of tibial nerve p30 somatosensory evoked potential studied in patients with a focal lesion of the cervicomedullary junction

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Tinazzi, M., Zanette, G., Bonato, C., Manganotti, P., Polo, A., Fiaschi, A., Mauguière, F.](#) 1996 *Muscle and Nerve* 19 (12), pp. 1538-1548 [11](#)



result81.

Partial idiopathic epilepsy with evoked spiked by peripheral stimulation: A transcranial magnetic stimulation and somatosensory evoked potential study | [Epilessia parziale benigna a punte evocate da stimolo tattile: Studio dell'eccitabilità corticale mediante stimolazione magnetica e potenziali evocati somatosensitivi]

[Abstract + Refs](#) [Show Abstract](#) [Manganotti, P., Zanette, G., Santorum, E., Fontana, E., Fiaschi, A., Dalla Bernardina, B.](#) 1996 *Bollettino - Lega Italiana contro l'Epilessia* (95-96), pp. 443-444 [0](#)



result82.

Sensory involvement in X-linked spino-bulbar muscular atrophy (Kennedy's syndrome): An electrophysiological study

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Polo, A., Teatini, F., D'Anna, S., Manganotti, P., Salviati, A., Dallapiccola, B., Zanette, G., Rizzuto, N.](#) 1996 *Journal of Neurology* 243 (5), pp. 388-392 [11](#)



result83.

'Direct' and 'crossed' modulation of human motor cortex excitability following exercise

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Bonato, C., Zanette, G., Manganotti, P., Tinazzi, M., Bongiovanni, G., Polo, A., Fiaschi, A.](#) 1996 *Neuroscience Letters* 216 (2), pp. 97-100 [25](#)



result84.

Cortical modulation of spinal excitability: An F-wave study

[Abstract + Refs](#) [View at Publisher](#) [Show Abstract](#) [Mercuri, B., Wassermann, E.M.,](#)

[Manganotti, P., Ikoma, K., Samii, A., Hallett, M.](#) 1996 *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control* 101 (1), pp. 16-24 [46](#)



result85.

Subcortical P30 potential following tibial nerve stimulation: detection and normative data.

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Tinazzi, M., Zanette, G., Polo, A., Bonato, C., Manganotti, P., Fiaschi, A., Mauguière, F.](#) 1995 *Italian journal of neurological sciences* 16 (9), pp. 623-628 [1](#)



result86.

Subcortical P30 potential following tibial nerve stimulation: Detection and normative data

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Tinazzi, M., Zanette, G., Polo, A., Bonato, C., Manganotti, P., Fiaschi, A., Mauguière, F.](#) 1995 *The Italian Journal of Neurological Sciences* 16 (8), pp. 623-628 [0](#)



result87.

Long-lasting depression of motor-evoked potentials to transcranial magnetic stimulation following exercise

[Abstract + Refs](#) [+](#) [Show Abstract](#) [Zanette, G., Bonato, C., Polo, A., Tinazzi, M., Manganotti, P., Fiaschi, A.](#) 1995 *Experimental Brain Research* 107 (1), pp. 80-86 [48](#)



result88.

Effect of pharmacologically induced mydriasis on the normal variability of retinal oscillatory potentials in man

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Polo, A., Di Summa, A., Perlini, S., Manganotti, P., Zanette, G.](#) 1995 *Acta Ophthalmologica Scandinavica* 73 (2), pp. 133-138 [2](#)



result89.

Neurophysiological and urodynamic examinations in the functional assessment of the spinal cord below the injury site

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Zanette, G., Righetti, C., Manganotti, P., Polo, A., Tinazzi, M., Fiaschi, A., Tosi, L.](#) 1995 *European Neurology* 35 (2), pp. 93-98 [3](#)



result90.

Dynamic F wave from lower limbs: Value and clinical application

[Abstract + Refs](#) [+](#) [Show Abstract](#) [Manganotti, P., Zanette, G., Tinazzi, M., Polo, A.](#) 1995 *Electromyography and Clinical Neurophysiology* 35 (6), pp. 323-329 [12](#)



result91.

Two distinct cervical N13 potentials are evoked by ulnar nerve stimulation

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Zanette, G., Tinazzi, M., Manganotti, P., Bonato, C., Polo, A.](#) 1995 *Electroencephalography and Clinical Neurophysiology - Evoked Potentials* 96 (2), pp. 114-120 [15](#)



result92.

Cortical output modulation after rapid repetitive movements

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Bonato, C., Zanette, G., Polo, A.,](#)

[Bongiovanni, G.](#), [Manganotti, P.](#), [Tinazzi, M.](#), [Teatini, F.](#), [Fiaschi, A.](#) 1994 *The Italian Journal of Neurological Sciences* 15 (9), pp. 489-494 [8](#)



result93.

Spinal somatosensory evoked potentials in patients with tethered cord syndrome

[Abstract + Refs](#) [+](#) [Show Abstract](#) [Polo, A.](#), [Zanette, G.](#), [Manganotti, P.](#), [Bertolasi, L.](#), [De Grandis, D.](#), [Rizzuto, N.](#) 1994 *Canadian Journal of Neurological Sciences* 21 (4), pp. 325-330 [9](#)



result94.

Polyneuritis cranialis: Clinical and electrophysiological findings

[Abstract + Refs](#) [View at Publisher](#) [+](#) [Show Abstract](#) [Polo, A.](#), [Manganotti, P.](#), [Zanette, G.](#), [De Grandis, D.](#) 1992 *Journal of Neurology Neurosurgery and Psychiatry* 55 (5), pp. 398-400 [10](#)

[h index = 22](#)

Document *h* index



Of the 93 documents considered for the *h* index, 22 have been cited at least 22 times.