

ALESSANDRO ROSSI

CURRICULUM VITAE



INFORMAZIONI PERSONALI

Nome	ALESSANDRO ROSSI
Residenza	VIA DEGASPERI 1, 53100 SIENA, ITALIA
Indirizzo Istituzionale	POLICLINICO S.M. ALLE SCOTTE, NEUROLOGIA E NEUROFISIOLOGIA, III LOTTO, P.NO 0 VIALE BRACCI, 53100 SIENA, ITALIA. TELEFONO: +39-0577-233484, +39-0577-585768
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E-mail	alessandro.rossi@unisi.it
Nazionalità	italiana
Luogo di nascita	SIENA, VIA DI CITTÀ, 43 (18.01.53)
Stato civile	CONIUGATO CON TRE FIGLI
Madrelingua	ITALIANO
Altra lingua	INGLESE (B2 CPS) FRANCESE (C1 CPS)

CARRIERA UNIVERSITARIA

1978	Laureato in Medicina e Chirurgia
1985	Specializzato in Neurologia
1985	Funzionario tecnico, ex-carriera direttiva per tecnici laureati
1988	Dottore di Ricerca in Neurobiologia Applicata
1992	Professore Associato nella disciplina di Fisiologia Umana
2000	Professore Ordinario nella disciplina di Neurologia

FORMAZIONE POST-LAUREA

1980	Research fellowship (NIH): Department of Neurophysiology, University of Massachusetts. MA, USA
1983	Research fellowship (IMGrant): Dipartimento di Fisiologia, Università di Pisa, Italia
1984	Research fellowship (INSERM): Institut National de la Santé et de la Recherche Medicale. Paris, France
1985	Research fellowship (INSERM): Neurophysiologie Clinique and Service de Reeducation Neurologique, Université Pitié-Salpêtrière. Paris, France.

COMPETENZE GESTIONALI E ORGANIZZATIVE

2002-2009	Direttore dell'Unità Operativa Complessa di Neurofisiologia Clinica
<i>dal 2010 ad oggi</i>	Direttore dell'Unità Operativa Complessa di Neurologia e Neurofisiologia Clinica
<i>dal 2014 ad oggi</i>	Direttore dell'Unità Operativa Complessa di Neuroradiologia
<i>dal 2007 al 2010</i>	Direttore del Dipartimento ad Attività Integrata di Neuroscienze
<i>dal 2011 ad oggi</i>	Direttore del Dipartimento ad Attività Integrata di Scienze Neurologiche e Neurosensoriali
<i>dal 2015</i>	Idoneo alla nomina a Direttore Generale delle Aziende e degli Enti del SST (<i>decr.dir. n.2635/2014</i>)

ATTIVITÀ IN ORGANI COLLEGIALI

PREGRESSE

Giunta della Scuola di Dottorato in Scienze Neurologiche Applicate
Commissione Biblioteca della Presidenza della Facoltà di Medicina e Chirurgia
Giunta della Scuola di Dottorato di Ricerca in Scienze Neurologiche Applicate dell'Università degli Studi di Siena.
Presidente del Comitato per la Didattica del corso di Laurea in Fisioterapia della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Siena.
Presidente del Comitato per la Didattica del corso di Laurea Magistrale in Fisioterapia dell'Università degli Studi di Siena.

Commissione Salute della Conferenza delle Regioni e Provincie Autonome (rapporti SSN e Università)

Referente unico per la procedura di Valutazione Attività Istituzionali (VAI) del corso di Laurea in Fisioterapia dell'Università degli Studi di Siena.

Comitato Scientifico di Ateneo per la Ricerca (PAR) quale rappresentante dell'Area delle Scienze Biomediche e Mediche dell'Università degli Studi di Siena

Membro di International Human Frontier Science Program (UE, Strasbourg)

Componente della Commissione Ordinatrice Interuniversitaria del CNR di Pisa

Membre du Jury du Doctorat de Neurosciences de l'Université de Provence, (Marseille) (France)

Membre du Jury du Doctorat de Neurosciences de l'Université de Paris VI, Pierre et Marie Curie, Paris (France)

ATTUALI

Membro del Collegio della Scuola di Dottorato Toscano in Neuroscienze

Presidente Master in Fisioterapia applicata allo Sport

Referente ERASMUS progetti Italo-Francesi

INCARICHI DI RAPPRESENTANZA

Componente del Laboratorio Regionale Toscano per la Formazione Sanitaria

Componente del Consiglio Sanitario Regionale Toscano

Componente della Commissione Regionale Toscana del Farmaco

ATTIVITÀ DIDATTICA

Corso di Laurea Medicina e Chirurgia

Corso di Laurea Fisioterapia

Corso di Laurea Magistrale Fisioterapia

Corso di Laurea Scienze Infermieristiche

Corso di Laurea Magistrale Scienze Infermieristiche

Corso di Laurea Neurofisiopatologia

Corso di Laurea Tecnico Sanitario di Laboratorio Biomedico

Scuole di Specializzazione:

Neurologia, Neurofisiopatologia, Medicina Interna, Reumatologia,

Gastroenterologia, Radiodiagnostica, Audiologia e Foniatria

Scuola di Dottorato di Ricerca in Scienze Neurologiche Applicate

Doctorat de Neurosciences de l'Université Paris VI, Pierre et Marie Curie, France

Doctorat de Neurosciences de l'Université de Provence, Marseille, France

Scuola di Dottorato Toscano in Neuroscienze

Dipartimento di Filosofia, Sapienza, Università di Roma

COLLABORAZIONI SCIENTIFICHE INTERNAZIONALI

University of Massachusetts MA, USA
Institut National de la Santé et de la Recherche Medicale. Paris, France.
Université Pitié-Salpêtrière. Paris, France
Queen Square Institute of Neurology. London, England.
University of Kingston, London England.
University of Antwerp. Antwerp Belgium.
Université de Marseille & CNRS Marseille, France
University of Adelaide, Faculty of Sciences, Australia
Lomonosov Moscow State University
Harvard University, Medical School, Boston, USA

COLLABORAZIONI CON RIVISTE SCIENTIFICHE INTERNAZIONALI *(ISI-tracked journals)*

Brain Research (Elsevier Science) 2.84
Experimental Brain Research (Springer) 2.07
Clinical Neurophysiology (Elsevier Science) 3.10
Neuroscience Letters, (Elsevier Science) 2.17
Brain (Elsevier Science) 9.20
Journal Neurology Neurosurgery and Psychiatry (Elsevier Science) 6.81
Journal of Neuroscience Methods (Elsevier Science) 2.02
Journal of the Peripheral Nervous System (Wiley Library) 2.76
Journal of Physiology (Wiley Library) 5.04
Journal of Neurophysiology (American Physiological Society) 2.89
Brain Stimulation (Elsevier Science) 4.40

**PUBBLICAZIONI
SCIENTIFICHE
2006- 2016**

*TOTAL NUMBER OF FULL
PAPERS IN INTERNATIONAL
PEER REVIEWED
JOURNALS: 358,
H-INDEX 43, TIS.*

RESEARCH FIELDS:

*ELECTROPHYSIOLOGY OF
HUMAN MOTOR CONTROL*

*PATHOPHYSIOLOGY OF
CENTRAL & PERIPHERAL
NERVOUS SYSTEM*

*HUMAN BRAIN
CONNECTOMICS*

Role of brain hemispheric dominance in anticipatory postural control strategies.
Cioncoloni D, Rosignoli D, Feurra M, Rossi S, Bonifazi M, Rossi A, Mazzocchio R. *Exp Brain Res* 2016; Mar 7. [ahead of print].

Major motor-functional determinants associated with poor self-reported HealthRelated Quality of Life in myasthenia gravis patients.
Cioncoloni D, Casali S, Ginanneschi F, Carone M, Boni V, Rossi A, Giannin F. *Neurol Science*. (ahead of print).

Individual differences and specificity of prefrontal gamma frequency-tACS on fluid intelligence capabilities.

Santarneccchi E, Muller T, Rossi S, Sarkar A, Polizzotto NR, Rossi A, Cohen Kadosh R.

Cortex 2016;75:33-43.

Individual and sex-related differences in pain and relief responsiveness are associated with differences in resting-state functional networks in healthy volunteers.

Galli G, Santarneccchi E, Feurra M, Bonifazi M, Rossi S, Paulus MP, Rossi A. *Eur J Neurosci* 2016;43:486-93.

Pathophysiology of knee jerk reflex abnormalities in L5 root injury.

Ginanneschi F, Mondelli M, Piu P, Rossi A.

Funct Neurol 2015;30:187-91.

Intelligence-related differences in the asymmetry of spontaneous cerebral activity.

Santarneccchi E, Tatti E, Rossi S, Serino V, Rossi A.

Hum Brain Mapp 2015;36:3586-602 (**JOURNAL COVER DEDICATED**)

A mimic of first dorsal interosseus atrophy revealed by ultrasound study.

Ginanneschi F, Filippou G, Olivelli M, Mignarri A, Rossi A.

Clin Neurophysiol 2015;126:423-24.

Sporadic hereditary motor and sensory neuropathies: Advances in the diagnosis using next generation sequencing technology.

Fallerini C, Carignani G, Capoccitti G, Federico A, Rufa A, Pinto AM, Rizzo CL, Rossi A, Mari F, Mencarelli MA, Giannini F, Renieri A.

J Neurol Sci 2015;359:409-17.

MRI helps depict clinically undetectable risk factors in advanced stage retinoblastomas.

Galluzzi P, Hadjistilianou T, Cerase A, Toti P, Leonini S, Bracco S, de Francesco S, Galimberti D, Balducci D, Piu P, Monti L, Bellini M, Caini M, Rossi A.

Neuroradiol J 2015;28:53-61.

Sensory axons excitability changes in carpal tunnel syndrome after neural mobilization.

Ginanneschi F, Cioncoloni D, Bigliazzi J, Bonifazi M, Lorè C, Rossi A.

Neurol Sci 2015;36:1611-15.

The smarter, the stronger: intelligence level correlates with brain resilience to systematic insults.

Santarneckchi E, Rossi S, Rossi A.
Cortex 2015;64:293-09.

The Secret of Intelligence: Towards a New Materialism. Rossi A. & Attanasio A.
Human Evolution. 2015; 30: 1-14.

Interaction between neuroanatomical and psychological changes after mindfulness-based training.

Santarneckchi E, D'Arista S, Egiziano E, Gardi C, Petrosino R, Vatti G, Reda M, Rossi A. PLoS One 2015;10 (6) e108359.

Jitter of corticospinal neurons during repetitive transcranial magnetic stimulation. Method and possible clinical implications.

Caliandro P, Padua L, Rossi A, Rossini PM, Stalberg E, Feurra M, Ulivelli M, Bartalini S, Giannini F, Rossi S.
Brain Stimul 2014;7:580-86.

Hand muscles corticomotor excitability in hereditary spastic paraparesis type 4.

Ginanneschi F, Carluccio MA, Mignarri A, Tessa A, Santorelli FM, Rossi A, Federico A, Dotti MT.
Neurol Sci 2014;35:1287-91.

Effects of local corticosteroid injection on electrical properties of $\alpha\beta$ -fibers in carpal tunnel syndrome.

Ginanneschi F, Filippou G, Bonifazi M, Frediani B, Rossi A.
J Mol Neurosci 2014; 52:525-30.

Individual factors enhance poor health-related quality of life outcome in multiple sclerosis patients. Significance of predictive determinants.

Cioncoloni D, Innocenti I, Bartalini S, Santarneckchi E, Rossi S, Rossi A, Ulivelli M. J Neurol Sci 2014;345:213-19.

Differential effects of acute cortisol administration on deep and shallow episodic memory traces: a study on healthy males.

Cioncoloni D, Galli G, Mazzocchio R, Feurra M, Giovannelli F, Santarneckchi E, Bonifazi M, Rossi A, Rossi S.
Neurobiol Learn Mem 2014;114:186-92.

Efficiency of weak brain connections support general cognitive functioning.

Santarneckchi E, Galli G, Polizzotto NR, , Rossi S, Rossi A.
Hum Brain Mapp 2014;35:4566-82. (**JOURNAL COVER DEDICATED**)

Time Course of Corticospinal Excitability and Autonomic Function Interplay during and Following Monopolar tDCS.

Santarneckchi E, Feurra M, Barneschi F, Acampa M, Bianco G, Cioncoloni D, Rossi A, Rossi S.
Frontiers Psychiatry 2014;5:86.

Rhabdomyolysis in an elderly multitreated patient: multiple drug interactions

after statin withdrawal.

Ginanneschi F, Volpi N, Giannini F, Rocchi R, Donati D, Aglianò M, Lorenzoni P, Rossi A.

J Neurol Sci 2014;336:284-87.

State-dependent effects of transcranial oscillatory currents on the motor system: what you think matters.

Feurra M, Pasqualetti P, Bianco G, Santarnecchi E, Rossi A, Rossi S.

J Neurosci 2013;33:17483-89.

Overclock your brain for gaming? Ethical, social and health care risks.

Santarnecchi E, Feurra M, Galli G, Rossi A, Rossi S.

Brain Stimul 2013;6:713-14.

Exome sequencing overrides formal genetics: ASPM mutations in a case study of apparent X-linked microcephalic intellectual deficit.

Ariani F, Mari F, Amitrano S, Di Marco C, Artuso R, Scala E, Meloni I, Della Volpe R, Rossi A, van Bokhoven H, Renieri A

Clin Genet 2013;83:288-90

Beyond muscular effects: depression of spinal recurrent inhibition after botulinum neurotoxin A.

Marchand-Pauvert V, Aymard C, Giboin LS, Dominici F, Rossi A, Mazzocchio R.

J Physiol 2013;591(Pt 4):1017-29.

Frequency-dependent enhancement of fluid intelligence induced by transcranial oscillatory potentials.

Santarnecchi E, Polizzotto NR, Godone M, Giovannelli F, Feurra M, Matzen L, Rossi A, Rossi S.

Curr Biol 2013;23:1449-53.

TMS interference with primacy and recency mechanisms reveals bimodal episodic encoding in the human brain.

Innocenti I, Cappa SF, Feurra M, Giovannelli F, Santarnecchi E, Bianco G, Cincotta M, Rossi S.

J Cogn Neurosci 2013;25:109-16.

Altered cortical and subcortical local coherence in obstructive sleep apnea: a functional magnetic resonance imaging study.

Santarnecchi E, Sicilia I, Richiardi J, Vatti G, Polizzotto NR, Marino D, Rocchi R, Van De Ville D, Rossi A.

J Sleep Res 2013;22:337-47.

Injury of cutaneous branches of the femoral nerve following varicose vein surgery.

Ginanneschi F, Filippou G, Frediani B, Rossi A.

Acta Neurol Belg 2013;113:355-56.

Polyneuropathy in cerebrotendinous xanthomatosis and response to treatment with chenodeoxycholic acid.

Ginanneschi F, Mignarri A, Mondelli M, Gallus GN, Del Puppo M, Giorgi S,

Federico A, Rossi A, Dotti MT.
J Neurol 2013;260:268-74.

Sonographic and electrodiagnostic features of hereditary neuropathy with liability to pressure palsies.
Ginanneschi F, Filippou G, Giannini F, Carluccio MA, Adinolfi A, Frediani B, Dotti MT, Rossi A.
J Peripher Nerv Syst 2012;17:391-98.

Intrinsic cerebral connectivity analysis in an untreated female-to-male transsexual subject: a first attempt using resting-state fMRI.
Santarnecci E, Vatti G, Déttore D, Rossi A.
Neuroendocrinology 2012;96:188-93.

Activity-dependent changes in intrinsic excitability of human spinal motoneurons produced by natural activity. Rossi A, Rossi S, Ginanneschi F.
J Neurophysiol 2012;108:2473-80.

Sensory neuropathy may cause central neuronal reorganization but does not respecify perceptual quality or localization of sensation.
Ginanneschi F, Mondelli M, Rossi A.
Clin J Pain 2012;28:653-57.

Evidences for antinociceptive effect of 17- α -hydroxyprogesterone caproate in carpal tunnel syndrome. Ginanneschi F, Milani P, Filippou G, Mondelli M, Frediani B, Melcangi RC, Rossi A.
J Mol Neurosci 2012;47:59-66.

Acute shoulder-girdle neuralgic amyotrophy (Parsonage-Turner syndrome with saphenous nerve involvement).
Ginanneschi F, Malandrini A, Monti L, Rossi A.
Acta Neurol Belg 2011;111:333-36.

Frequency-dependent tuning of the human motor system induced by transcranial oscillatory potentials.
Feurra M, Bianco G, Santarnecci E, Del Testa M, Rossi A, Rossi S.
J Neurosci 2011;31:12165-70.

Cortico-Cortical Connectivity between Right Parietal and Bilateral Primary Motor Cortices during Imagined and Observed Actions: A Combined TMS/tDCS Study.
Feurra M, Bianco G, Polizzotto NR, Innocenti I, Rossi A, Rossi S.
Front Neural Circuits 2011;5:10.

Progesterone - new therapy in mild carpal tunnel syndrome? Study design of a randomized clinical trial for local therapy.
Milani P, Mondelli M, Ginanneschi F, Mazzocchio R, Rossi A.
J Brachial Plex Peripher Nerve Inj 2010;5:11.

A commentary on the relation between putative central plastic changes and sensory symptoms in peripheral entrapment neuropathies.
Ginanneschi F, Rossi A.

Pain 2010;150(:369-70.

A clinical maneuver to increase tremor differentiation between Parkinson disease and essential tremor.

Mazzocchio R, Rossi A.

Eur J Neurol 2010;17:e89.

Role of Renshaw cells in amyotrophic lateral sclerosis.

Mazzocchio R, Rossi A.

Muscle Nerve 2010;41:441-43.

Influence of activity-induced axonal hypoexcitability on transmission of descending and segmental signals.

Rossi A, Biasella A, Scarselli C, Piu P, Ginanneschi F.

Brain Res 2010;1320:47-59.

Ultrasonographic and functional changes of the ulnar nerve at Guyon's canal after carpal tunnel release.

Ginanneschi F, Filippou G, Reale F, Scarselli C, Galeazzi M, Rossi A.

Clin Neurophysiol 2010;121:208-13.

Siena carotid artery stenting score: a risk modelling study for individual patients.

Setacci C, Chisci E, Setacci F, Iacoponi F, de Donato G, Rossi A.

Stroke 2010;41:1259-65.

Cortisol-induced effects on human cortical excitability.

Milani P, Piu P, Popa T, della Volpe R, Bonifazi M, Rossi A, Mazzocchio R.

Brain Stimul 2010;3:131-39

Evidence of improvement in distal conduction of ulnar nerve sensory fibers after carpal tunnel release.

Mondelli M, Ginanneschi F, Rossi A.

Neurosurgery 2009;65:696-700; discussion 701.

Ulnar nerve compression neuropathy at Guyon's canal caused by crutch walking: case report with ultrasonographic nerve imaging.

Ginanneschi F, Filippou G, Milani P, Biasella A, Rossi A.

Arch Phys Med Rehabil 2009;90:522-24.

Multiple arm lipomatosis and posterior interosseus nerve palsy.

Dominici F, Ginanneschi F, Spidalieri R, Rossi A.

Electromyogr Clin Neurophysiol 2008;48:373-76.

Short-term electrophysiological conduction change in median nerve fibres after carpal tunnel release. Ginanneschi F, Milani P, Reale F, Rossi A.

Clin Neurol Neurosurg 2008;110:1025-30.

Anomalies of ulnar nerve conduction in different carpal tunnel syndrome stages.

Ginanneschi F, Milani P, Rossi A.

Muscle Nerve 2008;38:1155-60.

Arachnoid cyst and arachnoiditis following idiopathic spinal subarachnoid haemorrhage.

Ginanneschi F, Palma L, Rossi A.

Br J Neurosurg 2008;22:578-79.

Ulnar sensory nerve impairment at the wrist in carpal tunnel syndrome.

Ginanneschi F, Milani P, Mondelli M, Dominici F, Biasella A, Rossi A.

Muscle Nerve 2008;37:183-89.

Anticipatory control of impending postural perturbation in elite springboard divers.

Popa T, Bonifazi M, della Volpe R, Rossi A, Mazzocchio R.

Eur J Appl Physiol 2008;104:1007-11.

Effects of posture-related changes in motor cortical output on central oscillatory activity of pathological origin in humans.

Mazzocchio R, Gelli F, Del Santo F, Popa T, Rossi A.

Brain Res 2008;1223:65-72.

Dynamic changes in cortical and spinal activities with different representations of isometric motor actions and efforts.

Mazzocchio R, Gelli F, Del Santo F, Popa T, Rossi A.

Brain Stimul 2008;1:33-43.

Relation between isometric muscle force and surface EMG in intrinsic hand muscles as function of the arm geometry.

Del Santo F, Gelli F, Ginanneschi F, Popa T, Rossi A.

Brain Res 2007;1163:79-85.

Evidence of altered motor axon properties of the ulnar nerve in carpal tunnel syndrome.

Ginanneschi F, Dominici F, Milani P, Biasella A, Rossi A.

Clin Neurophysiol 2007;18:1569-76.

Factors influencing the relation between corticospinal output and muscle force during voluntary contractions.

Gelli F, Del Santo F, Popa T, Mazzocchio R, Rossi A.

Eur J Neurosci 2007;25:3469-75.

Heightened seizure susceptibility associated with brain dermoid cyst and the administration of human chorionic gonadotropin (hCG).

Milani P, Rocchi R, Cerase A, Rossi A, Mazzocchio R.

J Neurol Sci 2007; 258:144-47.

Changes in the recruitment curve of the soleus H-reflex associated with chronic low back pain. Ginanneschi F, Dominici F, Milani P, Biasella A, Rossi A, Mazzocchio R.

Clin Neurophysiol 2007;118:111-18.

Is the human masticatory system devoid of recurrent inhibition?

Türker KS, Schmied A, Rossi A, Mazzocchio R, Sowman PF, Vedel JP.

Exp Brain Res 2007;179:131-44.

Adaptive changes in postural strategy selection in chronic low back pain.

Popa T, Bonifazi M, Della Volpe R, Rossi A, Mazzocchio R.

Exp Brain Res 2007;177:411-18.

Motor unit synchronous firing as revealed by determinism of surface myoelectric signal.

Del Santo F, Gelli F, Schmied A, Vedel JP, Rossi A, Mazzocchio R.

J Neurosci Methods 2006;155:116-21.

Recurrence quantification analysis of surface EMG detects changes in motor unit synchronization induced by recurrent inhibition.

Del Santo F, Gelli F, Mazzocchio R, Rossi A.

Exp Brain Res 2007;178:308-15.

Corticospinal drive during painful voluntary contractions at constant force output.

Del Santo F, Gelli F, Spidalieri R, Rossi A.

Brain Res 2007;1128:91-8

Ventral and dorsal root injury after oxygen-ozone therapy for lumbar disk herniation.

Ginanneschi F, Cervelli C, Milani P, Rossi A.

Surg Neurol 2006;66:619-20; discussion 620-1.

Changes in motor axon recruitment in the median nerve in mild carpal tunnel syndrome.

Ginanneschi F, Mondelli M, Dominici F, Rossi A.

Clin Neurophysiol 2006;117:2467-72.

Lateral cutaneous nerve of calf neuropathy due to peri-popliteal cystic bursitis.

Ginanneschi F, Rossi A.

Muscle Nerve 2006;34:503-04.

Encephaloradiculomyelitis associated to HHV-7 and CMV co-infection in immunocompetent host.

Ginanneschi F, Donati D, Moschetti D, Dominici F, Cermelli C, Rossi A.

Clin Neurol Neurosurg 2007;109:272-76.

Changes in corticomotor excitability of forearm muscles in relation to static shoulder positions.

Ginanneschi F, Dominici F, Biasella A, Gelli F, Rossi A.

Brain Res 2006;1073-74:332-8.

Changes in coordination of postural control during dynamic stance in chronic low back pain patients.

della Volpe R, Popa T, Ginanneschi F, Spidalieri R, Mazzocchio R, Rossi A.

Gait Posture 2006;24:349-55.

Force estimation processing as a function of the input-output relationship of the corticospinal pathway in humans.

Gelli F, Del Santo F, Mazzocchio R, Rossi A.
Eur J Neurosci 2006;22:1127-34.

**QUOTATIONS IN HANDBOOKS
AND HIGH IMPACT REVIEWS**

(IF=10.30-27.32)

Handbook: The Nervous System. Handbook of Physiology.
Americal Physiological Society (V.B. Brooks ed.), Bethesda, Maryland,
U.S.A., 1984.

HANDBOOK: GUIDA ALLA NEUROLOGIA CLINICA.
F. Angeleri, E. Ferrari, A. Muratorio (Eds.), Jbl, Bologna 1986.

M.H. Trimble.
POSTURAL MODULATION OF THE SEGMENTAL REFLEX: EFFECT OF BODY TILT AND
POSTURAL SWAY.
International Journal of Neuroscience. Vol 95: 85-100, 1988.

Handbook: Muscle Afferents and Spinal Control of Movement.
Pergamon Press (L.Jami, E. Pierrot-Deseilligny, D. Zytnicki eds), Oxford, New
York, Seoul, Tokyo, 1992

S.C. Gandevia & D. Burke.
DOES THE NERVOUS SYSTEM DEPEND ON KINESTHETIC INFORMATION TO CONTROL
NATURAL LIMB MOVEMENTS?
Behavioural and Brain Sciences. Vol. 15, 614-632, 1992.

V. Dietz.
HUMAN NEURAL CONTROL OF AUTOMATIC FUNCTIONAL MOVEMENTS: INTERACTION
BETWEEN CENTRAL PROGRAMS AND AFFERENT INPUT.
Physiological Reviews. Vol 72, 33-69, 1992.

V. Dietz.
CONTROL OF NATURAL MOVEMENTS: INTERACTION OF VARIOUS NEURONAL
MACHANISMS.
Behavioural and Brain Sciences. Vol. 15, 732-733, 1992.

U. Windhorst.
ON THE ROLE OF RECURRENT INHIBITORY FEEDBACK IN MOTOR CONTROL.
Progress in Neurobiology. Vol. 49: 517-587, 1996.

S.M. McDonough.
THE NEUROPHYSIOLOGICAL BASIS OF RECIPROCAL INHIBITION IN MAN.
Physiological Review Vol 92: 19-28, 1997.

Katz & E. Pierrot-Deseilligny.
RECURRENT INHIBITION IN HUMANS.
Progress in Neurobiology. Vol. 57: 352-355, 1998.

Handbook: The Human Brain.
Mosby Book Co. (J. Nolte ed.). Tuscon, Arizona, USA, 1999.

E.P. Zeher & R.B. Stein

WHAT FUNCTIONS DO REFLEXES SERVE DURING HUMAN LOCOMOTION?
Progress in Neurobiology Vol.58: 185-205, 1999.

Handbook: The Circuitry of the Human Spinal Cord
Spinal and Corticospinal Mechanisms of Movement
D. Burke, E. Pierrot-Deseilligny eds. Cambridge, England, 2012.

Handbook: The circuitry of the human spinal cord. Its role in motor control and
movement disorders. Cambridge University Press
D. Burke, E. Pierrot-Deseilligny eds. Cambridge, England, 2015.