

## **ALLEGATO A**

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di valutazione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 24, comma 6, della Legge n. 240/2010 per il settore concorsuale 06/B1, (settore scientifico-disciplinare MED/09) presso il Dipartimento di Scienze Cliniche e di Comunità, Codice concorso 3606.

## **Nicola Montano** **CURRICULUM VITAE**

### **INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)**

COGNOME	MONTANO
NOME	NICOLA
DATA DI NASCITA	26 FEBBRAIO 1963

### **INSERIRE IL PROPRIO CURRICULUM (non eccedente le 30 pagine)**

#### **STUDI:**

- 1982 Diploma di Maturità classica con 60/60. Liceo Classico "Clemente Rebora" Rho (MI)
- 1988 Laureato in Medicina e Chirurgia all'Università di Milano, 110/110 e lode
- 1989 Abilitazione alla professione Medica.
- 1994 Dottorato di ricerca in Metodologia Clinica. Titolo della Tesi: *"Adenosina e fibre cardiache simpatiche afferenti: un possibile ruolo nella genesi del dolore cardiaco"*

#### **POSIZIONI PROFESSIONALI ACCADEMICHE:**

- 1994-1997 *Ricercatore*, Istituto di Scienze Biomediche, Ospedale L. Sacco, Università di Milano.
- 1997-1999 *Ricercatore confermato*, Istituto di Scienze Biomediche, Ospedale L. Sacco, Università di Milano.
- 1999-2002 *Ricercatore confermato*, Dipartimento di Scienze Precliniche LITA di Vialba, Ospedale L. Sacco, Università di Milano.
- 2002-2015 *Professore Associato in Medicina Interna*, Dipartimento di Scienze Biomediche e Cliniche, Ospedale L. Sacco, Università degli Studi di Milano
- 2015-oggi *Professore Associato in Medicina Interna*, Dipartimento di Scienze Cliniche e di Comunità, Ospedale Maggiore Policlinico, Milano

#### **INCARICHI ASSISTENZIALI**

- 2000-2013 Dirigente Medico convenzionato presso la Divisione di Medicina Interna II, Ospedale L.Sacco, Università degli Studi di Milano.

2000-2013	Regolare attività di guardia attiva, diurna e notturna, presso il Pronto Soccorso dell'Ospedale L. Sacco;
2007-2013	Responsabile dell' "Ambulatorio Sincopi e disturbi della postura", Ospedale Luigi Sacco, Milano. Riconoscimento profilo assistenziale di Alta Professionalità Consulente Internista per l'Istituto Neurologico Nazionale Carlo Besta, MI
2013-2015	Direttore, Unità Operativa Semplice Dipartimentale "Medicina ad Indirizzo Fisiopatologico", Ospedale Luigi Sacco, Milano.
2015-oggi	Direttore UOC Medicina Interna, Immunologia e Allergologia, IRCCS Fondazione Ca' Granda, Ospedale Maggiore Policlinico, Milano
2016-oggi	Direttore ad interim, UOC Pronto Soccorso e Medicina d'Urgenza, IRCCS Fondazione Ca' Granda, Ospedale Maggiore Policlinico, Milano

## ATTIVITA' DIDATTICA

1994-2013:	Docente di Medicina Interna nel Corso Integrato di <i>Clinica Medica</i> del Polo di Vialba dell' Università degli Studi di Milano.
2004-	Docente di Metodologia Clinica, <i>Scuola di Specializzazione in Medicina Interna</i> dell' Università degli Studi di Milano.
2009-2015	Titolare dell'insegnamento del Corso integrato in <i>Medicina d'Urgenza</i> , Laurea in Infermieristica, presso la sede AO Salvini, Garbagnate Milanese
2012-2015	Coordinatore del corso integrato di <i>Semeiotica e Patologia degli Apparati 1</i> , Corso di Laurea in Medicina e Chirurgia, Università di Milano
2013-2015	Coordinatore del corso integrato in <i>Emergenze-Urgenze</i> , Polo Didattico di Vialba, Laurea in Medicina e Chirurgia, Università di Milano
2015-	Docente di Medicina Interna nel Corso Integrato di <i>Clinica Medica</i> del Polo Centrale dell' Università degli Studi di Milano.
2016-	Coordinatore Modulo "From Bench to Bedside", III anno, Corso di laurea International Medical School, Università degli Studi di Milano.
2009-	Referente responsabile della <i>Scuola di Specialità in Medicina d'Emergenza e Urgenza</i> dell'Università di Milano
1995-	Correlatore o Relatore di più di 120 Tesi di Laurea per il Corso di laurea in Medicina e Chirurgia e per la Scuola di Specializzazione in Medicina Interna

### • Partecipazione a Dottorati

2008-2012	Collegio di <i>Dottorato in Malattie Infettive</i> , Università degli Studi di Milano
2013-	Collegio di <i>Dottorato in Medicina Clinica e Sperimentale</i> , Università degli Studi di Milano

## ALTRI INCARICHI ISTITUZIONALI

- 2014-            Membro del Consiglio d'Amministrazione della **"Fondazione Carlo Erba"** (nomina Rettorale).
- 2015-            Membro per le Life Sciences dell' **Osservatorio della Ricerca** dell'Università degli Studi di Milano (nomina Rettorale).

## INCARICHI ISTITUZIONALI EXTRAUNIVERSITARI

- 2009-2013      Membro del Consiglio Direttivo della **Società Italiana di Medicina Interna** (ha ricoperto la carica di *Segretario Nazionale*)
- 2015-            Membro dell'Executive Board, **International Society for Autonomic Neuroscience**
- 2015-2015      Evaluator of the Research and Professional Activities of the Institutes of the **Czech Academy of Sciences** for 2010-2014 - Panel Member for the Medical and health sciences
- 2015-            Fellow, **Academy of Behavioral Medicine Research**, USA
- 2016-            Presidente Eletto, **European Federation of Internal Medicine**

## ATTIVITA' DIDATTICA E FORMATIVA EXTRACURRICOLARE

- 1998, 2001 e 2003 Corso residenziale monografico, post-dottorato di 36 ore denominato *"Heart rate variability: from neuron to the bedside"*, due edizioni presso la Facoltà di Medicina di Ribeirao Preto, Università di San Paolo (Brasile), dal 30 Novembre al 4 Dicembre 1998 e dal 6 all'11 agosto 2001, (organizzatore: Prof. Helio C. Salgado) e la terza edizione (5-9 Maggio 2003), denominata *"Heart Rate Variability: from a simple measure to a complex scenario"*, presso la Facoltà di Medicina, Università Estadual Paulista, Jaboticabal, SP (Brasile)
- 2003-2014      Responsabile delle attività formative della **Scuola Estiva della Società Italiana di Medicina Interna**
- 2014-2016      Direttore dell' **European School of Internal Medicine**, European Federation of Internal Medicine

## DOCTORAL TUTORSHIPS

Attribuzione di periodi di stage di ricerca da parte di Università'/Agenzie governative di ricerca estere per i seguenti DOCTORAL / POST-DOCTORAL FELLOWS:

- **Valdo Dias Da Silva**, (University of Uberaba, Uberaba, Brasil), 2000-2002 (2 anni)
- **Cassia Bergamaschi e Ruy Campos**, (Escola Paulista de Medicina, Federal University of Sao Paulo, Sao Paulo, Brasil, 2004-2005 (1 anno)
- **Mauro De Oliveira**, University of Sao Paulo, Ribeirao Preto, Brasil, 2005 (3 mesi)
- **Karina Rabello Casali**, University of Rio Grande do Sul, Porto Alegre, Brasil, 2006-2008 e 2010 (vincitrice di Borsa di Studio UNIALA) (2 anni e 6 mesi)
- **Anielle Takahashi**, University of Sao Paulo, San Carlos, Brasil, 2008 (9 mesi)

- **Sarah Chellappa**, University of Basel, Switzerland, 2009 (1 mese)
- **Aparecida M Catai**, University of Sao Paulo, San Carlos, Brasil, 2009 (6 mesi)
- **Sultan-Al-Sayabyi**, University Sultan Qaboos, Muscat, Oman, 2009 (1 mese)
- **Antoine U. Viola**, University of Basel, Switzerland, 2009, (due settimane)
- **Rubens Fazan Jr**, University of Sao Paulo, Ribeirao Preto, Brasile, 2011 (3 mesi)
- **Andreia C. Queiroz**, University of Sao Paulo, Sao Paulo, Brasil 2012-2013 (6 mesi)
- **Igor Loss**, University of Uberaba, Uberaba, MG, Brasil, 2012-2014 (18 mesi)
- **Liliane Appratto**, University of Rio Grande do Sul, Porto Alegre, Brazil 2015 (9 mesi)
- **Edgar Toschi Dias**, University of Sao Paulo, Sao Paulo, Brazil 2016-2017 (12 mesi)

#### **Membro Internazionale di Commissione di Dottorato:**

- **Gennaio 2008** – Dottorato in Fisiologia Cardiovascolare - Universidade do Rio Grande do Sul, Porto Alegre, Brasil – Candidata dr.ssa Karina Rabello Casali)
- 
- **Aprile 2012**, - Dottorato in Medicina Interna – University of Pretoria, Pretoria, South Africa – Candidata Dr.ssa DC Janse van Rensburg

#### **ATTIVITA' PROFESSIONALI INTERNAZIONALI:**

- 1995-2000      **Assistant Professor**, Department of Anesthesiology, School of Medicine, Medical College of Georgia, Augusta, GA, USA.
- Nov 28-30 2007 **Visiting Scientist**, Laboratory of Neurophysiology, Department of Psychiatry, Harvard Medical School, Boston, MA, USA
- 2013-2016      **Senior International Researcher** presso l'International Clinical Research Center (ICRC), St. Anne University Hospital, Brno, Czech Republic (<http://www.fnusa-icrc.org/en>) - Founding source: European Regional Development Fund—Project FNUSA-ICRC (No. CZ.1.05/1.1.00/02.0123) Human Bridge for Strengthening Integration of ICRC into European Research Area (ICRC ERA Human Bridge)
- 2014-            **Visiting Professor** - Department of Physiology - Universidade Federal do Triangulo Mineiro, Uberaba, MG, Brazil, and Special Visiting Researcher Fellowship under the Brazilian Scientific Mobility Program "Sciences without Borders"

#### **PREMI NAZIONALI**

- 1991    Premio “Giovani Ricercatori”, sponsorizzato dalla Società Italiana di Cardiologia, (Roma, Congresso S.I.C. Dicembre 1991);
- 1994    Manoscritto selezionato per il Premio “Giovani Ricercatori”, sponsorizzato dalla Società Italiana di Cardiologia, (Congresso S.I.C., Roma, Dicembre 1994).
- 2000    Manoscritto selezionato per il Premio “Giovani Ricercatori”, sponsorizzato dalla Società Italiana di Cardiologia, (Congresso S.I.C., Roma, Dicembre 2000).

**DIREZIONE O PARTECIPAZIONE ALLE ATTIVITA' DI UN GRUPPO DI RICERCA CARATTERIZZATO DA COLLABORAZIONI A LIVELLO NAZIONALE ED INTERNAZIONALE.**

- 2008- Membro Fondatore del Topical Team dell' **European Space Agency** "*Stress and Immunity in Space*" ([www.topicalteam-stressinspace.eu](http://www.topicalteam-stressinspace.eu))
- 2014- Progetto di Ricerca " Varicella Zoster Virus Reactivation in Acute Decompensated Heart Failure Patients" - in collaborazione con Microbiology Lab, National Aeronautics and Space Administration (NASA), Houston, TX, USA - Dr Satish Metha
- 2014- Progetto di Ricerca " Cardiovascular Autonomic control in Primary Insomnia patients during Sleep (CAPRIS Study)" - in collaborazione con University of Pittsburgh, Department of Psychology - Dr Martica Hall

**RESPONSABILTA' DI STUDI E RICERCHE SCIENTIFICHE AFFIDATI DA QUALIFICATE ISTITUZIONI PUBBLICHE O PRIVATE.**

- Progetto European Space Agency (ILSRA-2009-1121): "Consequences of Stress Challenges on Stress Response Systems and Immunity in Space: a multidisciplinary approach" (IMMUNO-2; formerly CONSCIOUS) - Responsabile di Unita' di Ricerca
- Progetto University of Michigan, Stretcher Award Foundation Grant "Association of Autonomic Tone and Markers of Inflammation in Patients with Congenital Heart Disease", 2012 - Co-Principal Investigator

**RESPONSABILITA' SCIENTIFICA PER PROGETTI DI RICERCA INTERNAZIONALI E NAZIONALI AMMESSI AL FINANZIAMENTO SULLA BASE DI BANDI COMPETITIVI CHE PREVEDANO LA REVISIONE TRA PARI.**

- Progetto PRIN 2000 (MM06155542\_002) - Ritmi nervosi periferici e centrali e loro correlazioni con la modulazione nervosa cardiovascolare - Responsabile di Unita' di Ricerca
- Progetto PRIN 2003 (2003068708\_002) - Alterazioni del controllo nervoso del circolo in pazienti con depressione maggiore - Responsabile di Unita' di Ricerca
- Progetto Disturbi del Controllo Motorio e Cardiorespiratorio (DCMC), Agenzia Spaziale Italiana (2003-2006) "Assessment of circadian autonomic rhythmicity of cardiovascular variability in mice using a newly developed biotelemetric wireless system (BWS)" (PR-DCMC-GO- 1B1513-001) - Co-Principal Investigator
- Progetto PRIN 2007 (20072S2HT8\_002) - Studio sperimentale randomizzato, crossover, in doppio cieco, sugli effetti dell'esposizione acuta a particolato, a riposo e durante esercizio fisico, a livello della modulazione autonoma cardiovascolare, della funzione cardiopolmonare, della risposta immuno-infiammatoria e del rischio trombotico, in soggetti volontari sani. - Responsabile di Unita'

- Progetto Fondazione Cariplo 2014: "ACROSS- cArdiac paCemakeR ageing: cellular and mOlecular baSiS" - Ricercatore responsabile di Unità di Ricerca

## **PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE SCIENTIFICHE NAZIONALI ED INTERNAZIONALI.**

2001-2008	Editorial Board Member, <b>Autonomic Neuroscience: Basic &amp; Clinical</b>
2011-2015	Editorial Board Member, Journal <b>Sleep</b>
2011-	Associate Editor, <b>Internal and Emergency Medicine</b>
2014-	Associate Editor, <b>Frontiers in Cardiovascular Medicine</b> - General Cardiovascular Medicine Section

## **PRINCIPALI RELAZIONI SU INVITO A CONVEGNI SCIENTIFICI IN ITALIA E ALL'ESTERO.**

Invited speaker: "Excitatory effect of adenosine on cardiac sympathetic afferent fibers". Fifth International Symposium on "Adenosine and Adenine Nucleotides". May 9-13, 1994. Philadelphia, PA, (USA).

Invited speaker, Fourth International Heart Rate Variability Symposium, American Society of Anesthesiology Meeting, October 15, 1994. S. Francisco, CA, USA

Invited speaker, First European Meeting of the Study Group on Cardiovascular Oscillations. March 30-April 1, 2000, Cardiff (UK)

Invited speaker, American Physiological Society Conference "Physiology of Baroreceptor and Cardiopulmonary Reflexes: Sensory Mechanisms, Central Integration and Reflex Function" August 24-27 2000, Iowa City, IA (USA)

Relazione su invito, Workshop "INTRODUZIONE ALL' ANALISI DEI SEGNALI CARDIOVASCOLARI DI VARIABILITA' DI PRESSIONE ARTERIOSA E FREQUENZA CARDIACA: ASPETTI TECNICI E APPLICAZIONI CLINICHE". Congresso Nazionale della Società Italiana di Cardiologia, Roma, 14-18 Dicembre 2002

Invited Lecture: "Heart Rate Variability as a Marker of Cardiovascular Risk Factor". XXIV CONGRESSO DA SOCIEDADE DE CARDIOLOGIA DO ESTADO DE SÃO PAULO (SOCESP), CAMPOS DE JORDAO, BRASIL, MAY 15-17, 2003

Invited lecture: "Interaction between positive and negative feedback in the regulation of blood pressure". 3rd Meeting of the Federation of the European Physiological Societies, 2003, June 28 – July 2, Nice, France

Relazione su invito: "Applicazioni cliniche delle metodologie spettrali". 104 Congresso della Società Italiana di Medicina Interna, Roma, 4-7 Novembre 2003

Invited speaker: "Heart Rate Variability as a tool for autonomic evaluation of human pathophysiology" Workshop: Oscillations and Rhythms in the Neural Control of the Circulation. Experimental Biology Meeting 2006, S. Francisco, CA, April 1-4, 2006

Relazione su invito: "I disturbi respiratori del sonno" - 107 Congresso Nazionale, Societa' Italiana di Medicina Interna, Cagliari, 21-24 Ottobre 2006  
dal 21-10-2006 al 24-10-2006

Co-Chairman, Workshop "THE INEVITABLE LINK BETWEEN HEART AND BEHAVIOR: NEW INSIGHTS FROM BIOMEDICAL RESEARCH AND IMPLICATIONS FOR CLINICAL PRACTICE", Erice, September 27 - October 2, 2007

Invited speaker: "Does cardiovascular variability predict outcome?" European Society of Hypertension-International Society of Hypertension Joint Meeting, Berlin, June 19, 2008

Invited speaker: "Cardiovascular consequences of OSA: therapeutic perspectives". VIth Czech and Slovak Congress of Sleep Medicine, Ostrava, Czech Republic, October 15-17, 2009

Relazione su invito: "Leggere tra le righe: saper interpretare correttamente un lavoro scientifico" - 111 Congresso Nazionale, Societa' Italiana di Medicina Interna, Roma, 16-19 Ottobre 2010

Relazione su invito: "La Sincope" - VII Congresso nazionale Societa' Italiana di Medicina d'Emergenza Urgenza, Rimini, 18-21 Novembre 2010

Invited speaker: "Autonomic Nervous System, Sleep, and Cardiovascular Diseases". JOINT MEETING ISAN/AAS-2011, Satellite Symposium BRAIN ORIGINS OF CARDIOVASCULAR DISORDERS – Ouro Preto, MG, Brazil, September 9-10, 2011

Relazione su invito: "Sleep Apnea Syndrome" - VIII Congresso Nazionale, Societa' di Medicina d'Emergenza Urgenza, Rimini, 18-21 Ottobre 2012

Invited speaker: "Importance of cardiorespiratory coupling in health and disease". Symposium: CARDIORESPIRATORY FUNCTION/ INTEGRATION IN HEALTH AND DISEASE - Experimental Biology, Boston, MA (USA), April 20-24, 2013

Invited speaker: "Does hospitalization reduce the (adverse) events?". - First International Workshop "Syncope Risk Stratification in the Emergency Department", Palazzo Feltrinelli, Gargnano (BS), Italy, September 26-27, 2013

Relazione su invito: "Disturbi del sonno e malattie cardiovascolari". - 114° Congresso Nazionale Societa' Italiana di Medicina Interna, Roma, 26-28 Ottobre 2013

Invited Speaker: "Syncope: Which investigations, and for whom?". - European and Swiss Congress of Internal Medicine 2014, Geneva (Swiss), May 14-16, 2014

Invited speaker: "Short and long-term effects of sleep deprivation on the autonomic control", Satellite Symposium of the European Sleep Research Society "Understanding Sleep: novel perspectives in Neurosciences" - 9th Federation European Neurosciences Societies (FENS) Forum of Neuroscience, Milan (Italy), July, 4th 2014

Relazione su invito: "Medical Intelligence: come si legge e si scrive un lavoro scientifico". - 115o Congresso Societa' Italiana di Medicina Interna, 25-27 Ottobre 2014, Roma

Invited speaker: "Alternative treatments in sleep apnea: phrenic nerve stimulation, oxygen, tongue pacemaker". - 4th Cardiosleep International Congress, Paris (France), April 9-11, 2015  
Invited speaker: "Sympathetic Nervous System: Friend or Foe?". - Society for Acute Medicine 2015 Conference, Manchester, September 10-11, 2015

Relazione su invito: " Choosing Wisely SIMI" - 116 Congresso Nazionale Societa' Italiana di Medicina Interna, Roma, 10-12 Ottobre 2015

Invited speaker: "The new epidemic of sleep apnea: from snoring to death". - 14th European Congress in Internal Medicine, Moscow, Russia, October 14-16, 2015

Invited speaker: "Syncope management: from admission to discharge". - 14th European Congress in Internal Medicine, Moscow, Russia, October 14-16, 2015

Invited Speaker: "Choosing Wisely EFIM". - 15th European Congress in Internal Medicine, Amsterdam (NL), September 1-2, 2016

Relazione su invito: "Choosing Wisely, la prospettiva europea". - 117° CONGRESSO NAZIONALE Società Italiana di Medicina Interna Roma, 14 -16 Ottobre 2016

## **ORGANIZZAZIONE CONVEGNI SCIENTIFICI**

Chair, Local Organizing Committee, *International Society of Autonomic Society 2015 Meeting: First International Joint Meeting* ISAN - AAS - EFAS – JSNR, 26-29 September 2015, Stresa, Italy

Co-Chairmain, Workshop "*Stress, Heart and Behavior*", Erice, 1-6 Ottobre 2015

Scientific Committe Member, *European Congress of Internal Medicine*, Milan August 31st-September 2nd, Milan, Italy

## **INDICI BIBLIOMETRICI:**

*h*-index: 40

Citations: 7007

hc: 22 (Fonte: Scopus, Maggio 2017)



## ELENCO PUBBLICAZIONI

### LAVORI IN EXTENSO SU RIVISTE INSERITE IN PUBMED

1. Lombardi F, Gneccchi Ruscone T, **Montano N**, Finocchiaro ML, Contini M, Malliani A. Restraining effect of Captopril on cardiovascular sympathetic efferent neural activity . *J Hypertens* 1989;7(suppl 7): S55-S56.
2. Lombardi F, **Montano N**, Finocchiaro ML, Gneccchi Ruscone T, Baselli G, Cerutti S, Malliani A. Spectral analysis of sympathetic discharge in decerebrate cats. *J Auton Nerv Syst*. 30:S97-S100, 1990.
3. **Montano N**, Lombardi F, Gneccchi Ruscone T, Contini M, M Guazzi, Malliani A. Effetto eccitatorio dell' adenosina sull'attività di scarica delle fibre afferenti simpatiche cardiache. *Cardiologia* 36 (12): 953-959, 1991.
4. **Montano N**, Lombardi F, Gneccchi Ruscone T, Contini M, Finocchiaro ML, Baselli G, Porta A, Cerutti S, Malliani A. Spectral analysis of sympathetic discharge, R-R interval and systolic arterial pressure in decerebrate cats. *J Auton Nerv Syst* 40: 21-31, 1992.
5. **Montano N**, Gneccchi Ruscone T, M Contini, Finocchiaro ML, Lombardi F, Malliani A. Effect of Captopril on sympathetic cardiac efferent activity in cats. *Am J Physiol* 264 (*Heart Circ Physiol*): H345-H351, 1993.
6. Porta A, Baselli G, **Montano N**, Gneccchi Ruscone T, Lombardi F, Malliani A, Cerutti S. Non-linear dynamics in the beat-to-beat variability of sympathetic activity in decerebrate cats. *Method Inform Med* 33: 314-316, 1994.
7. Gneccchi Ruscone T, Piccaluga E, Guzzetti S, Contini M, **Montano N**, Nicolis E, on behalf of GISSI-2 Investigators. Morning and monday: critical periods for the onset of acute myocardial infarction. The GISSI 2 Study experience. *Europ Heart J* 15: 882-887, 1994.
8. **Montano N**, Gneccchi Ruscone T, Porta A, Lombardi F, Pagani M, Malliani A. Power spectral analysis of heart rate variability to assess changes in sympatho-vagal balance during graded orthostatic tilt. *Circulation*, 90:1826-1831, 1994.
9. Introna R, Yodlowski E, Pruett JK, **Montano N**, Porta A, Crumrine R. Sympathovagal effects of spinal anesthesia assessed by heart rate variability. *Anest Analg* 80:315-321, 1995.
10. **Montano N**, Barman SM, Gneccchi Ruscone T, Porta A, Lombardi F, Malliani A. Evidenza del ritmo a bassa frequenza nella scarica di singoli neuroni del tronco encefalico coinvolti nella regolazione del sistema cardiovascolare. *Cardiologia* 40 (1):41-46, 1995.
11. Gneccchi Ruscone T, **Montano N**, Contini M, Guazzi M, Lombardi F, Malliani A: Adenosine excites cardiac sympathetic afferent fibers and potentiates their response to coronary artery occlusion. *J Auton Nerv Syst* 53:175-184, 1995.
12. Gneccchi Ruscone T, **Montano N**, Guzzetti S, Pagani M. A circadian perspective on myocardial ischemia. *Journal of Cardiovascular Risk* 2: 505-509, 1995.
13. **Montano N**, Gneccchi Ruscone T, Porta A, Lombardi F, Malliani A, Barman SM. Presence of vasomotor and respiratory rhythms in the discharge of single medullary neurons involved in the regulation of cardiovascular system. *J Auton Nerv Syst* 57:116-122, 1996.
14. Porta A, Baselli G, **Montano N**, Gneccchi Ruscone T, Lombardi F, Malliani A, Cerutti S. Classification of coupling patterns among spontaneous rhythms and ventilation in the sympathetic discharge of decerebrate cats. *Biological Cybernetics* 75:163-172, 1996.

15. Pagani M, **Montano N**, Porta A, Malliani A, Abboud FM, Birkett C, Somers VK. Relationship between spectral components of cardiovascular variabilities and direct measures of muscle sympathetic nerve activity in humans. *Circulation*, 95:1441-1448, 1997.
16. van de Borne P, **Montano N**, Pagani M, Oren R, Somers VK. Absence of low-frequency variability of sympathetic nerve activity in severe heart failure. *Circulation* 95:1449-1454, 1997.
17. van de Borne P, Mark AL, **Montano N**, Mion D, Somers VK. Effects of alcohol on sympathetic activity, hemodynamics and chemoreflex sensitivity. *Hypertension* 29:1278-1283, 1997.
18. Malliani A, **Montano N**, Pagani M. Physiological background of heart rate variability. *Cardiac Electrophysiol Rev* 3:345-348, 1997.
19. Jasson S, Maison-Blanche P, **Montano N**, Meyer L, Vermeiren C, Mansier P, Coumel P, Malliani A, Swynghedauw B. Instant power spectrum analysis of heart rate variability during orthostatic tilt using a time-frequency method. *Circulation* 96:3521-3526, 1997.
20. Malliani A, Pagani M, Furlan R, Guzzetti S, Lucini D, **Montano N**, Cerutti S, Mela GS. Individual recognition by heart rate variability of two different autonomic profiles related to posture. *Circulation* 96:4143-4145, 1997.
21. van de Borne P, **Montano N**, Zimmerman B, Pagani M, Somers VK. The relationship between repeated measures of hemodynamics, muscle sympathetic nerve activity and their spectral oscillations. *Circulation* 96:4326-4332, 1997.
22. Porta A, Baselli G, D. Liberati, **Montano N**, Cogliati C, Gneccchi Ruscone T, Malliani A, Cerutti S. Measuring the degree of synchronization of sympathetic discharge by corrected conditional entropy. *Byol Cybern* 78:71-78, 1998.
23. Narkiewicz K, Van de Borne P, **Montano N**, Dyken ME, Phillips BG, Somers VK. Contribution of tonic chemoreflex activation and blood pressure in patients with obstructive sleep apnea. *Circulation* 97:943-945, 1998.
24. Cooley R, **Montano N**, Cogliati C, Van de Borne P, Richenbacher W, Oren R, Somers VK. Evidence for a central origin of the low-frequency oscillation in RR-interval variability. *Circulation* 98:556-561, 1998.
25. Narkiewicz K, **Montano N**, Cogliati C, Van de Borne P, Dyken ME, Phillips BG, Somers VK. Altered cardiovascular variability in obstructive sleep apnea. *Circulation* 98:1071-1077, 1998.
26. **Montano N**, Cogliati C, Porta A, Pagani M, Malliani A, Narkiewicz K, Abboud FM, Birkett C, Somers VK. Central vagotonic effects of atropine modulate spectral oscillations of sympathetic nerve activity. *Circulation* 98:1394-1399, 1998.
27. Lazzeri C, La Villa G, Mannelli M, Janni L, Barletta G, **Montano N**, Franchi F. Effects of clonidine on power spectral analysis of heart rate variability in mild essential hypertension. *J Autonom Nerv Syst* 74:152-159, 1998.
28. Vanoli E, **Montano N**, Russo G. E' possibile prevenire la morte improvvisa inattesa?. *Cardiologia* 43 (suppl. 2) 713-715, 1998.
29. RS Crumrine, EH Yodlowski, RPS Introna, **N Montano** -Heart rate variability and neural control of the circulation: Implications for anesthesiologists. *Advances in Anesthesia*, 15: 33-74, 1998.
30. Narkiewicz K, van de Borne P, Pesek CA, Dyken ME, **Montano N**, Somers VK. Selective potentiation of peripheral chemoreflex sensitivity in obstructive sleep apnea. *Circulation* 99: 1183-1189, 1999.
31. van de Borne P, **Montano N**, Narkiewicz K, Degaute JP, Oren R, Pagani M, Somers VK. Sympathetic rhythmicity in cardiac transplant recipients. *Circulation*, 99:1606-1610, 1999.

32. Porta A, Baselli G, Lombardi F, **Montano N**, Malliani A, Cerutti S. Conditional entropy approach for the evaluation of the coupling strength. *Biological Cybernetics* 81:119-129, 1999.
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