

CURRICULUM VITAE: August 23, 2004

ROBERT ZIVADINOV, M.D., Ph.D.

PERSONAL DATA

Title: Associate Professor of Neurology

Business Address: University of Buffalo
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Date/Place of birth: February 1st, 1968, Rijeka, Croatia

Citizenship: Italian

EDUCATION

1998-2002 **Ph.D. in Neurology:** *“Cognitive Impairment in Multiple Sclerosis Patients”*
Neurological Clinic, University of Rijeka, Croatia

1995-1999 **Neurology Residency,** Department of Clinical Medicine and Neurology, University
of Trieste, Italy, *Cum Laude*

1993-1995 **M.Sc. in Neurology:** *“Incidence and Prevalence of Motor Neuron Disease in
Coastal and Mountainous Region, Croatia, 1984-1993. A Preliminary Survey”*
Neurological Clinic, University of Rijeka, Croatia

1995 **M.D.,** University of Trieste, Faculty of Medicine, Italy

1987-1993 **M.D.,** University of Rijeka Faculty of Medicine, Croatia

CURRENT POSITIONS

- 2003-Present **Associate Professor in Neurology**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 2003-Present **Director of Buffalo Neuroimaging Analysis Center**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 2003-Present **Executive Director of New York State Multiple Sclerosis Consortium**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 2003-Present **Director of Resident Research Training**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 1999-Present **MS Scientific Consultant** for national and international pharmaceutical industries and foundations

PREVIOUS POSITIONS AND APPOINTMENTS

- 1997-2002 **Founding Director of the Trieste Neuroimaging Analysis Centre**
Department of Clinical Medicine and Neurology, University of Trieste, Italy
- 1999-2002 **Chief Researcher in Multiple Sclerosis**
Center for Diagnosis and Treatment of Multiple Sclerosis, Department of Clinical Medicine and Neurology, University of Trieste, Italy
- 1999-2002 **Neurologist on Night guard-duties**
4th Sanitary District "Medio Friuli", San Pietro al Natisone (Udine), Italy
- 3/2003-
10/2003 **Associate Director of Buffalo Neuroimaging Analysis Center**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 2003 **Project and Program Director of brainLINC teaching course CME project in USA**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA
- 2003 **Secretary of brainLINC for USA**
Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, NY, USA

RESEARCH AND CLINICAL TRAINING

- 2002 **Research Fellowship:** *“A longitudinal study of virus-specific serum antibodies and MRI parameters in Multiple Sclerosis.”*
Mentor: Marino Zorzon, MD, University of Trieste, Italy.
- 2002 **Research Fellowship:** *“Does cytomegalovirus antibodies positivity predicts a better clinical and radiological outcome in multiple sclerosis patients? A 2-year follow-up study”*
Mentor: Marino Zorzon, MD, Consortium for International Development of the University of Trieste, Italy.
- 2000-2001 **Research Fellowship:** *“Virus-specific serum antibodies in Multiple Sclerosis. Correlation with brain and spinal cord MRI parameters”*
Mentor: Giuseppe Cazzato, MD, Consortium for International Development of the University of Trieste, Italy.
- 3/2001 **Potiker Research Fellowship:** *“Normalized vs absolute brain atrophy measures in Multiple Sclerosis”*
Mentor: Richard RA. Rudick, MD, Mellen Center, Cleveland Clinic Foundation, Cleveland, Ohio (USA).
- 1995-1999 **Multiple Sclerosis Training Scholarship**
Mentor: Giuseppe Cazzato, MD, Center for Diagnosis and Treatment of Multiple Sclerosis, Department of Clinical Medicine and Neurology, University of Trieste, Italy.
- 1999 **Research Fellowship:** *“Magnetic resonance imaging techniques and cognitive impairment in early phase of relapsing-remitting multiple sclerosis”*
Mentor: Giuseppe Cazzato, MD. Consortium for International Development of the University of Trieste, Italy.

HONORS AND AWARDS

- 2003 **Biography in the 7th Edition of Marquis Who’s Who in Science and Engineering**
- 2002 **Young Scientific Investigator Travel Award**
18th Congress of the European Committee for Treatment and Research in Multiple Sclerosis and 7th Annual Meeting of the Americas Committee for Treatment and Research in Multiple Sclerosis, Baltimore (Maryland, USA), 18-21 September 2002.
- 2002 **Young Scientific Investigator Travel Award**
12th meeting of European Neurological Society, Berlin (Germany), 22-26 June 2002.
- 2001 **First award for the best Poster presentation in Section Neuroimmunology**
3rd Croatian Congress of Neurology, Rijeka (Croatia), 10-13 October 2001.

- 2001 **Young Scientific Investigator Travel Award**
11th meeting of European Neurological Society, Paris (France), 21-25 April 2001.
- 2000 **Second Award for the best Oral Communication**
16th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, Toulouse (France), 9 September 2000.

INVITED LECTURES AND PRESENTATIONS

1. **Zivadinov R.** *MRI measures in the study of multiple sclerosis.* Research meeting, Department of Neurology, McGill University; Montreal (Quebec, Canada), June 22, 2004.
2. **Zivadinov R.** *Global and regional MRI measures in the study of multiple sclerosis.* Research meeting, Department of Neurology, University of British Columbia; Vancouver (British Columbia, Canada), June 15, 2004.
3. **Zivadinov R.** *Application of global and regional MRI measures in the study of multiple sclerosis.* Research meeting, Department of Neurology, University of Stony Brook; Stony Brook (NY, USA), June 8, 2004.
4. **Zivadinov R.** *Application of Quantitative MRI in diagnosis and prognosis of multiple sclerosis- Assessment of treatment effect.* Grand Rounds, Department of Clinical Neurological Sciences, University of Western Ontario; London (Ontario Canada), January 20, 2004.
5. **Zivadinov R.** *Application of Quantitative MRI in diagnosis and prognosis of multiple sclerosis.* Grand Rounds, Department of Neurology, University of Syracuse, Syracuse (NY, USA) January 9, 2004.
6. **Zivadinov R.** *Application of Quantitative MRI in diagnosis and prognosis of multiple sclerosis.* Grand Rounds, Department of Neurology, School of Medicine and Biomedical Sciences, The Jacobs Neurological Institute, University of Buffalo, Buffalo (NY, USA), January 8, 2004.
7. **Zivadinov R.** *Effect of intravenous methylprednisolone on brain atrophy and confluent T2 lesions in relapsing-remitting multiple sclerosis,* 9th European Charcot Foundation, Lisbon, (Portugal), December 11-13, 2003.
8. **Zivadinov R.** *Application of quantitative MRI analysis in patients with multiple sclerosis,* Emerging Life Sciences Technologies Meeting, Buffalo (NY, USA), December 3, 2003.
9. **Zivadinov R.** *Studio longitudinale di Risonanza Magnetica,* XXXIV Congress of Italian Neurological Society, Rome (Italy), October 11-15, 2003.
10. **Zivadinov R.** *The evaluation of disease course by means of MRI,* Scientific meeting on Multiple Sclerosis: "Factors affecting the course and quality of life in patients with MS", Trieste (Italy), October 4, 2003

11. **Zivadinov R.** *Brain and spinal cord atrophy in multiple sclerosis*, 26th Annual Meeting of American Society of Neuroimaging, New Orleans (Louisiana, USA), March 6-9, 2003.
12. **Zivadinov R.** *Magnetic resonance imaging in multiple sclerosis*, 26th Annual Meeting of American Society of Neuroimaging, New Orleans (Louisiana, USA), March 6-9, 2003.
13. **Zivadinov R.** *Attualita' eziopatogenetiche nella sclerosi multipla*, Scientific meeting on Multiple Sclerosis, Trieste (Italy), February 21, 2003.
14. **Zivadinov R.** Uxa L, Zacchi T, Nasuelli D, Ukmar M, Furlan C, Pozzi Mucelli RS, Tommasi MA, Ulivi S, Bratina A, Monti-Bragadin L, Cazzato G, Zorzon M., *HLA genotypes and disease severity assessed by magnetic resonance imaging findings in patients with multiple sclerosis*, Annual scientific conference of the University of Trieste, Trieste (Italy), November 27, 2002.
15. **Zivadinov R.** *Correlazione delle neuroimmagini e disturbi neuropsicologici nella Sclerosi multipla*, Scientific meeting of Italian Multiple Sclerosis Association and Brain group, Trieste (Italy), March 15, 2002.
16. **Zivadinov R.** *La RMN nella SM: importanza delle nuove tecniche di neuroimaging nella diagnosi, prognosi e valutazione dell'efficacia di disease modifying drugs*, Farmades Meeting, Rome (Italy), February 25, 2002.
17. **Zivadinov R.** *La RMN nella SM: importanza delle nuove tecniche di neuroimaging nella diagnosi, prognosi e valutazione dell'efficacia di disease modifying drugs*, Scientific meeting supported by Angelini Pharmaceutical Industry, Udine (Italy), October 22, 2001.
18. **Zivadinov R.** *New Diagnostic Criteria for Multiple Sclerosis*, 3rd Croatian Congress of Neurology, Rijeka (Croatia), October 10-13, 2001.
19. **Zivadinov R.** *Quality of Life in Multiple Sclerosis Patients During Interferon beta-1b therapy*, Farmades Meeting, Rome (Italy), June 7, 2001.
20. **Zivadinov R.** *Managing the Adverse Effects in Multiple Sclerosis patients during Interferon beta-1b therapy*, Farmades Meeting, Rome (Italy), June 7, 2001.
21. **Zivadinov R.** *A longitudinal study of brain atrophy and cognitive disturbances in early phase of relapsing-remitting multiple sclerosis*, International Symposium on Multiple Sclerosis, Venice (Italy), September 30, 2000.
22. **Zivadinov R.** *Multiple Sclerosis: Therapies which can modify the natural disease course*, Annual meeting of Italian Multiple Sclerosis Association, Trieste (Italy), June 3, 2000.
23. **Zivadinov R.** *Communication of diagnosis in multiple sclerosis patients*, Annual meeting of Italian Multiple Sclerosis Association, Trieste (Italy), June 3, 2000.
24. **Zivadinov R.** *Brain and spinal cord atrophy in multiple sclerosis: the new measures in clinical trials*, Annual scientific meeting of Slovenian neurologists; Ljubljana (Slovenia), April 14, 2000.

25. **Zivadinov R.** *The use of NMR in diagnosing MS*, European Medical Student's Association (EMSA), 4th Croatian International Scientific Symposium, Rijeka (Croatia), April 7-9, 2000.
26. **Zivadinov R.**, Cerebral atrophy in multiple sclerosis: a new neuroradiological endpoint? Conference on MRI techniques in Multiple Sclerosis, University of Trieste (Italy), December 1999.
27. **Zivadinov R.** Incidence and prevalence of Myasthenia Gravis in the County of the Coast and Gorski Kotar, Croatia, 1976 through 1996, Annual scientific conference of the University of Rijeka (Croatia), December 1998.
28. **Zivadinov R.** *Incidence and prevalence of motor neuron disease in Coastal and Mountainous Region, Croatia, 1984-1993*, Annual scientific conference of the University of Rijeka (Croatia), December 1997.

CURRENT MEMBERSHIPS

2004 – present	European Neurological Society
2003 - present	American Academy of Neurology
2003 - present	American Society of Neuroimaging
2001 - present	Croatian Society of Neurology
1997 – present	Italian Neurological Society of Triveneto

CLINICAL CERTIFICATION

1994 Surgeon Physician Certification (Italy) Reg. no. 13501 mecc.

LICENSING

1994 Surgeon Physician, Medical register of Trieste, Italy, n. 3271

TEACHING ACTIVITIES

2004	Monthly Lecture: University at Buffalo School of Medicine and Biomedical Sciences, PGY2, PGY3 and PGY4 Residents: <i>Neuroimaging</i>
2004	Monthly Lecture: University at Buffalo School of Medicine and Biomedical Sciences, PGY2, PGY3 and PGY4 Residents: <i>Statistics</i>
2003	Monthly Lecture: University at Buffalo School of Medicine and Biomedical Sciences, Fourth-Year Medical Students, introductory lecture for core neurology rotation: <i>Neuroimaging</i>

2003 **Monthly Lecture:** University at Buffalo School of Medicine and Biomedical Sciences, Fourth-Year Medical Students, introductory lecture for core neurology rotation: *Headache*

RESEARCH SUPERVISION OF TRAINEES

- 2004-Present **Medical student:** Jonathan Perkins, University at Buffalo, School of Medicine and Biomedical Sciences, New York State Multiple Sclerosis Consortium. Research Project: *Characteristics of benign multiple sclerosis in New York State Multiple Sclerosis Consortium.*
- 2004-Present **Medical doctor:** Deepon Singh, University at Buffalo, School of Medicine and Biomedical Sciences, New York State Multiple Sclerosis Consortium. Research Project: *Concomitant diseases and multiple sclerosis in New York State Multiple Sclerosis Consortium.*
- 2004-Present **Medical doctor:** Nadir Abdelrahman, University at Buffalo, School of Medicine and Biomedical Sciences, New York State Multiple Sclerosis Consortium. Research Project: *New York Multiple Sclerosis Consortium familial study.*
- 2004-Present **Neurology Resident:** Eleonora Tavazzi, University at Buffalo, School of Medicine and Biomedical Sciences, Summer MRI Fellowship, Buffalo Neuroimaging Analysis Center. Research Project: *Evaluation of brain pathology in patients with multiple sclerosis using diffusion-weighted imaging and brain atrophy measurement.*
- 2004-Present **Master Student:** Thiru Sampath, University at Buffalo, School of Medicine and Biomedical Sciences, Summer MRI Fellowship, Buffalo Neuroimaging Analysis Center. Research Project: *Software development for calculation of confluent T2-lesion volume.*
- 2004-Present **Neurology Resident:** Ann Banas, University at Buffalo, School of Medicine and Biomedical Sciences, Resident, Buffalo Neuroimaging Analysis Center. Research Project: *Measurement of cervical spinal cord atrophy in multiple sclerosis using whole-cord area analysis.*
- 2004-Present **Neurology Resident:** David Hojnacki, University at Buffalo, School of Medicine and Biomedical Sciences, Resident, Buffalo Neuroimaging Analysis Center. Research Project: *Evaluation of grey and white matter pathology in patients with multiple sclerosis by magnetization transfer imaging and brain atrophy measurement.*
- 2004-Present **Neurology Resident:** Yong He, University at Buffalo, School of Medicine and Biomedical Sciences, Resident, Buffalo Neuroimaging Analysis Center. Research Project: *Multiple sclerosis and sleep disorders: Correlation with clinical and MRI measures.*
- 2004-Present **Undergraduate Student:** Niels Bergsland, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Buffalo Neuroimaging Analysis Center MRI database development.*
- 2004-Present **Undergraduate Student:** Jordan Lema, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *PDF Library project;* Research Project: *Quantitative Magnetic Resonance Imaging Report.*

- 2004-Present **Master Student:** Sridhar Thangaswamy, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Accuracy of Segmentation with Different Brain Atrophy Techniques* (abstract published – see Publications).
- 2004-Present **Master Student:** Ram Prakash, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Estimating Cerebral Grey and White Matter Atrophy from Various MRI Pulse Sequences using Different Segmentation Algorithms* (abstract published – see Publications).
- 2003-Present **Master Student:** Bhooma Srinivasaraghavan, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Estimating Cerebral Grey and White Matter Atrophy from Various MRI Pulse Sequences using Different Segmentation Algorithms* (abstract published – see Publications).
- 2003-Present **Undergraduate Student:** Mike Dwyer, BS, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *New algorithm for brain gray and white matter segmentation in multiple sclerosis* (abstract published – see Publications).
- 2003-2004 **Undergraduate Student:** Michael Chan, BS, University at Buffalo, School of Medicine and Biomedical Sciences, New York State Multiple Sclerosis Consortium. Research Project: *Baird MS Centre electronical database*; Research Project: *New York Multiple Sclerosis Consortium familial study*.
- 2003-2004 **Medical Student:** Priya Shastri, BS, University at Buffalo, School of Medicine and Biomedical Sciences, New York State Multiple Sclerosis Consortium. Research Project: *Baird MS Centre electronical database*; Research Project: *New York Multiple Sclerosis Consortium familial study*.
- 2003-2004 **Graduate Student:** Kelly Watts, BS, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Comparison of different brain atrophy techniques* (abstract published – see Publications); Research Project: *Quantitative Magnetic Resonance Imaging Report*.
- 2003 **PhD Student:** Thomas Poonen, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *T1 hypointense lesion volume quantification in Multiple Sclerosis. A new algorithm for automatic measurement and classification on magnetic brain resonance images*.
- 2003 **Undergraduate Student:** Sarah B Ludwig, BS, University at Buffalo, School of Medicine and Biomedical Sciences, Research Assistant, Buffalo Neuroimaging Analysis Center. Research Project: *Comparison of different gray and white matter techniques* (abstract published – see Publications).
- 2002-2003 **Neurology Resident:** Cosimo Maggiore, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Regional parenchymal regional brain atrophy measures* (abstract and manuscript published - see Publications)
- 1999-2003 **Neurology Resident:** Maria-Antonietta Tommasi MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *HLA genotypes and disease severity assessed by magnetic resonance imaging findings in patients with multiple sclerosis* (abstract and manuscript published - see Publications)

- 1999-2003 **Neurology Resident:** Laura Locatelli, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Normalized regional brain atrophy measures in multiple sclerosis* (abstract and manuscript published - see Publications)
- 1999-2003 **Neurology Resident:** Alessio Bratina, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Ring-enhancement pattern may contribute to more severe disability progression and higher disease activity in the short term of relapsing-remitting multiple sclerosis* (abstract and manuscript published - see Publications)
- 1999-2003 **Undergraduate Student:** Attilio Grop, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Computer assisted quantitative assessments of lesion load and whole brain atrophy in MS* (abstract and manuscripts published – see Publications)
- 2001-2002 **Neurology Resident:** Barbara Stival, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Sexual dysfunction in multiple sclerosis. A MRI, neurophysiological and urodynamic study* (abstract and manuscript published - see Publications)
- 2001-2002 **Biological Student:** Sheila Ulivi, BS, University of Trieste, Italy, Research Project: *HLA genotypes and disease severity assessed by magnetic resonance imaging findings in patients with multiple sclerosis* (abstract and manuscript published - see Publications)
- 2001-2002 **Medical Student:** Mauro Catalan, BS, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Short-term brain atrophy changes in relapsing-remitting multiple sclerosis* (abstract and manuscript published - see Publications)
- 1999-2002 **Neurology Resident:** Davide Nasuelli, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Cytomegalovirus antibodies positivity predicts a better clinical and radiological outcome in multiple sclerosis patients* (abstract published - see Publications)
- 2000-2001 **Medical Student:** Monica Bernardi, BS, University of Trieste, Italy, Research Project: *A longitudinal study of quality of life and side effects in patients with Multiple Sclerosis treated chronically with Interferon beta-1a* (abstract and manuscript published - see Publications)
- 1999-2001 **Neurology Resident:** Roberto De Masi, MD, University of Trieste, Italy, Research Assistant, Trieste Neuroimaging Analysis Center. Research Project: *Effects of intravenous methylprednisolone on brain atrophy in relapsing-remitting multiple sclerosis* (abstract and manuscript published - see Publications)
- 1999 **Neurology Resident:** Luisa Monti Bragadin, MD, University of Trieste, Italy, Research Project: *Sexual dysfunction in Multiple Sclerosis. A case-control study.* (abstract and manuscript published - see Publications)

RESEARCH GRANTS

AS P.I., CO-P.I. OR CO-INVESTIGATOR, ACTIVE

1. **Advanced Approaches for Integration and Analysis of Genomic Data. Role: Co-investigator**, Agency National Science Foundation; (grant referral No.DBI-02348955). Period:

January 1, 2003-January 1, 2008. The goal of this project is to investigate novel approaches to analyzing gene expression data and to integrate these approaches into biological research.

2. **Department of Neurology Start-up Funds. Role: PI.** Agency: Jacobs Neurological Institute of the State University of New York. Period: March 9, 2003-March 8, 2005. These are general-purpose funds for starting up an independent research program at the Department of Neurology and Buffalo Neuroimaging Analysis Center.
3. **Unrestricted Educational Grant. Role: PI.** Agency: Biogen Idec. Period: April – December, 2004. The goal of this grant is to support PDF Library project.
4. **Genetic Markers for Predicting the Responsiveness of Multiple Sclerosis Patients to Long-term Interferon-beta-1a Therapy. Role: PI.** Agency: Jog for the Jake Foundation, Effort 30%. Period: December 1, 2003 to November 31, 2004. The goal of this clinical study to assess the predictive value of disease-modifying genes versus worse clinical and MRI outcome in long-term IFN- β -1a treated patients.
5. **Unrestricted Educational Grant. Role: PI.** Agency: Teva Neuroscience. Period: April – December, 2004. The goal of this grant is to support PDF Library project.
6. **Combination Therapy of IFN β -1a (Avonex®) with Alefacept (Amevive®) for active Relapsing Multiple Sclerosis patients. Role: Co-investigator (PI: Bianca Weinstock-Guttman),** Agency: Biogen Idec, Inc. Period: January 1, 2004 to December 31, 2005. The goal of this clinical study is to assess the safety of a 12 week-course of weekly IM Alefacept (Amevive®) therapy when combined with once-weekly IFN- β -1a (Avonex®) in relapsing multiple sclerosis (MS) patients who continue to experience active disease despite 1 year or more of monotherapy with IFN- β , and to obtain a preliminary assessment of the efficacy of this combination therapy for active relapsing MS patients using MRI outcome measures.
7. **Jacobs Neuroimaging Research Fund. Role: PI.** Agency: Physicians Imaging Centers. Period: January – December 2004. The aim of this fund is to continue support of the neuroimaging activities.
8. **QER Program Grant. Role: PI.** Agency: Physicians Imaging Centers. Period: January – December 2004. The goal of this grant is to support the generation of Quantitative Evaluation Reports.
9. **Dr. Lawrence D. Jacobs Summer MRI Fellowship. Role: PI.** Agency: Lawrence D. Jacobs Memorial Fund. Period: May – August 2004. The aim of this grant is to support two summer MRI Fellowships at the Buffalo Neuroimaging Analysis Center.

AS P.I., CO-P.I. OR CO-INVESTIGATOR, NON ACTIVE

1. **Unrestricted Grant for the New York State MS Consortium. Role: Executive Director (PI).** Agency: Biogen. Period: January – December, 2003. The goal of this grant is to support New York State MS Consortium research activities.

2. **Charitable support for public education activities in the Buffalo area. Role: PI.** Agency: Biogen. Period: January – December, 2003. The goal of this grant is to support public education activities in the Buffalo area.
3. **Unrestricted Grant for the New York State MS Consortium. Role: Executive Director (PI).** Agency: Teva Neuroscience. Period: January – December, 2003. The goal of this grant is to support New York State MS Consortium research activities.

MASS MEDIA INTERVIEWS

1. Medical Commentary, Radio Rijeka: Rijeka, Croatia – Health – “*Multiple sclerosis and MRI*” **25/2/2001.**
2. Medical Interview: “*Ekskluzivno iz Trsta: Svjetska karijera Rijeckog lijecnika*”. **Nacional 20/2/2001;275:58-60.** See web page www.nacional.hr
3. Medical Interview: “*Zene oboljevaju dva puta vise od multiple skleroze*”. **Jutarnji List 25/2/2001;1021:21.**
4. Medical Interview: “*Buffalo Physician announcement-Zivadinov to Direct BNAC*”. **Buffalo Physician 2003-in press**
5. Medical Interview: Behind the science: Highlighting Buffalo Niagara’s top researchers – Robert Zivadinov, M.D., Ph.D. **Bufflink e- newsletter 2004;2(1).** See web page <http://www.bufflink.org/reports.html>.
6. Medical Interview: “*Sclerosi multipla, fatte a Trieste nuove scoperte*”. **Il Piccolo 8/7/2004.**

PUBLICATIONS (in chronological order)

ORIGINAL PAPERS (PUBLISHED/ACCEPTED)

(CC)- Current Contents

1. **Zivadinov R**, Jurjevic A, Willheim K, Biasutti E, Cazzato G, Zorzon M. *Incidence and prevalence of motor neuron disease in Coastal and Mountainous Regions, Croatia, 1984-1993. A preliminary survey.* **Europ J Neurol 1997;4:376-381. (CC)**
2. Bosco A, Cazzato G, Antonello RM, Torre P, Carraro N, Capus L, **Zivadinov R**, Monti Bragadin L. *Trattamento ciclico con megadosi di metilprednisolone in pazienti affetti da sclerosi multipla a decorso recidivante-remittente. Valutazione clinica a tre anni.* **Nuova Riv Neurol, 1997;7(4):131-138.**
3. **Zivadinov R**, Jurjevic A, Willheim K, Cazzato G, Zorzon M. *Incidence and Prevalence of Myasthenia gravis in the County of the Coast and Gorski kotar, Croatia, 1976 through 1996.* **Neuroepidemiology 1998;17:265-272. (CC)**

4. Bosco A, Ukmar M, Longo R, Stival B, **Zivadinov R**, Moretti R, Monti Bragadin L, Antonello RM, Cazzato G. *Magnetization transfer ratio (MTR) delle lesioni captanti e non captanti il gadolinio nella sclerosi multipla*. **Nuova Riv Neurol**, 1998;8 (1):27-30.
5. Antonello RM, Moretti R, Torre P, **Zivadinov R**, Monti Bragadin L, Bosco A, Cazzato G. *Gabapentin as a drug therapy of intractable hiccup*. **Nuova Riv Neurol** 1998;8(4):119-121.
6. Moretti R, Antonello RM, Torre P, **Zivadinov R**, Cazzato G. *Glossopharyngeal neuralgia and gabapentin treatment*. **Nuova Riv Neurol**, 1998;8(6):176-179.
7. Cazzato G, Antonello RM, Zorzon M, Torre P, **Zivadinov R**, Moretti R, Monti Bragadin L, De Masi R, Nasuelli D. *Treatment of multiple sclerosis. The present and the future. Study Group on Diagnosis and Therapy of Multiple Sclerosis*. **Rec Prog Med** 1999;90(10):538-544. (CC)
8. Zorzon M, **Zivadinov R**, Bosco A, Monti Bragadin L, Moretti R, Bonfigli L, Morassi P, Iona L, Cazzato G. *Sexual dysfunction in multiple sclerosis. A case-control study. I. Frequency and comparison of groups*. **Mult Scler** 1999;5:418-427. (CC)
9. **Zivadinov R**, Zorzon M, Bosco A, Monti Bragadin L, Moretti R, Bonfigli L, Iona L, Cazzato G. *Sexual dysfunction in multiple sclerosis. II. Correlation analysis*. **Mult Scler** 1999;5(6):428-431. (CC)
10. **Zivadinov R**, Zorzon M, Monti Bragadin L, Pagliaro G, Cazzato G. *Olfactory loss in multiple sclerosis*. **J Neurol Sci** 1999;168:127-130. (CC)
11. Bosco A, Moretti A, **Zivadinov R**, Monti Bragadin L, Antonello RM, Torre P, Cazzato G, Zorzon M. *Long and short lasting side effects of high dose methylprednisolone pulse therapy in multiple sclerosis. A study on 1527 courses*. **Nuova Riv Neurol** 1999;9(4):122-131.
12. Zorzon M, Ukmar M, Monti Bragadin L, Zanier F, Antonello RM, Cazzato G, **Zivadinov R**. *Olfactory dysfunction and extent of white matter abnormalities in multiple sclerosis: a clinical and MR study*. **Mult Scler** 2000;6:386-90. (CC)
13. **Zivadinov R**, De Masi R, Nasuelli D, Monti Bragadin L, Ukmar M, Pozzi Mucelli RS, Grop R, Cazzato G, Zorzon M. *MRI techniques and cognitive impairment in the early phase of relapsing-remitting multiple sclerosis*. **Neuroradiology** 2001;43:272-78. (CC)
14. **Zivadinov R**, Sepcic J, Nasuelli D, De Masi R, Monti Bragadin L, Tommasi MA, Zambito Marsala S, Moretti R, Bratina A, Ukmar M, Pozzi Mucelli RS, Grop A, Cazzato G, Zorzon M. *A longitudinal study of brain atrophy and cognitive disturbances in the early phase of relapsing-remitting multiple sclerosis*. **J Neurol Neurosurg Psychiatry** 2001;70:773-80. (CC)
15. **Zivadinov R**, Monti Bragadin L, Nasuelli D, De Masi R, Ukmar M., Pozzi Mucelli RS, Antonello RA, Cazzato G, Zorzon M. *Magnetic resonance imaging techniques as predictors of cognitive impairment in multiple sclerosis*. **Nuova Riv Neurol** 2001;11(2):35-49.
16. Zorzon M, De Masi R, Nasuelli D, Ukmar M, Pozzi Mucelli RS, Cazzato G, Bratina A, **Zivadinov R**. *Depression and anxiety in multiple sclerosis. A clinical and MRI study in 95 subjects*. **J Neurol** 2001;248(5):416-21. (CC)

17. Zorzon M, **Zivadinov R**, Monti Bragadin L, Moretti R, De Masi R, Nasuelli D, Cazzato G. *Sexual dysfunction in multiple sclerosis: a 2-year follow-up study*. **J Neurol Sci** **2001**;**187**:1-5. (CC)
18. Moretti R, Bava A, Torre P, Antonello RM, Zorzon M, **Zivadinov R**, Cazzato G. *Bilingual aphasia and subcortical-cortical lesions*. **Percept Mot Skills** **2001**;**92**:803-814. (CC)
19. **Zivadinov R**, Willheim K, Jurjevic A, Sepic Grahovac D, Bucuk M, Zorzon M. *Prevalence of Migraine in Croatia: A Population-Based survey*. **Headache** **2001**;**41**:805-12. (CC)
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ABSTRACTS

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