

PERSONAL INFORMATION

Name & Family name
Current professional role

Nivedita Agarwal, MD
Consultant in Neuroradiology
Rovereto (TN) (Italy)

E-mail

nivedita.agarwal@apss.tn.it (work)
niveditaaga@gmail.com (personal)

WORK EXPERIENCE

2020 - present

First year PhD, Clinical Neurosciences
Faculty of Medicine, University of Southampton, UK

2013 - present

Neuroradiologist
Department of Radiology
Hospital S. Maria del Carmine, Rovereto, Trento (Italy)
Azienda Provinciale per i Servizi Sanitari, Trento

2011 - 2020

Medical Director for Safety, 3T Functional Neuroimaging Laboratory
Center for Mind/Brain Sciences
University of Trento, Italy

2011 - present

Adjunct Faculty
Neuroradiology
Department of Radiology
University of Utah, Salt Lake City, Utah

2010 - 2013

Consultant Neuroradiologist
Hospital S. Chiara of Trento, Trento, Italy

EDUCATION AND TRAINING

1991 - 1993

Advanced level qualification (Intermediate High School)
St. George's International School
Rome, Italy

1993 - 1999

Doctor of Medicine and Surgery
Faculty of Medicine
Catholic University of the Sacred Heart
Rome, Italy

2000 - 2005

Residency in Neurology
University of Udine, Udine, Italy

Dissertation title

Carotid artery stenting in asymptomatic high-grade stenosis: patient outcome at long-term

2005 - 2009

Residency in Radiology
University of Udine, Udine, Italy

Dissertation title	Short-term administration of uridine increases brain membrane phospholipids precursors in healthy adults: a 31-phosphorus magnetic resonance spectroscopy study at 4T	
2008 - 2009	Research at McLean Hospital, Harvard affiliated medical school Boston, Massachusetts, Boston	
2009 - 2010	Research, Brain Imaging Center University of Utah, Salt Lake City, USA Observer, Neuroradiology Faculty of Medicine University of Utah, Salt Lake City, USA	
LICENSES CERTIFICATES	AND	2014 European Certificate of Neuroradiology (European Board of Neuroradiology) 2019 Certificate for Medical Management Course (Provincia Autonoma di Trento)
AWARDS	2003-2006 Young Scientific Investigator Travel Award, Italian Neurological Society 2004 Young Scientific Investigator Travel Award, European Neurological Society 2017 II best scientific poster: International Society for Neurovascular Diseases, Italy	
REVIEWER	Radiology Neuroradiology Neurological Research American Journal of Neuroradiology BMC Neurology The Neuroradiology Journal Frontiers in Neuroscience	
MEMBERSHIP PROFESSIONAL SOCIETIES	2011 - European Society of Neuroradiology (ESNR) 2012 - 2016 American Society of Neuroradiology (ASNR) 2012 - Associazione Italiana Neuroradiologia (AINR) 2016 - International Society of Magnetic Resonance in Medicine (ISMRM) 2017 - European College of Radiology (ECR) 2019 - Società Neurologia, Neurochirurgia e Neuroradiologia Ospedaliera (SNO) 2019 - International Society to advance Alzheimer's Research and Treatment (ISTAART) 2020 - ISMRM, Ad hoc committee member "Women in ISMRM" 2021-2023 Educational Chair, Vice-Chair, Program Chair ISMRM	
CONFERENCES ORGANIZED	2011-2012 Hot Topics in Neuroradiology (six modules/yr) Trento, Italy Sept. 2012 Anatomy meets Function, I Neuroradiology Course, Trento, Italy Mar 2014 Anatomy meets Function, II edition, Rovereto, Italy April 2015 Anatomy meets Function, III edition, Rovereto, Italy Nov. 2016 Anatomy meets Pathology, IV edition, Rovereto, Italy May 2017 Anatomy meets Function and Surgery, V edition, Cosenza, Italy May 2019 Anatomy meets Function and Surgery, V edition, Cosenza, Italy May 2019 Annual meeting ISMRM 2019, Montreal, Canada - Plenary session: Connecting MRI to Other Branches of Science - Scientific session: Blood Brain Barrier, Glymphatics & CSF Flow - Educational session: Neurofluids & Brain Lymphatics: From Bench to MRI May 2020 Virtual meeting ISMRM 2020 (due to COVID emergency) - Educational session: The Brain-Gut axis: imaging the superorganism - Educational session: Imaging perivascular spaces - COVID: past, present but what possible future? - Scientific session: Glymphatic system and CSF flow imaging 2021 - 2023 Elected Scientific & Educational Chair, Annual meetings ISMRM Vancouver and London May 2023 Elected Program Chair, Annual meeting ISMRM, Toronto.	

SPEAKER (NATIONAL ITALIAN EVENTS)

Apr 2016	Seminars in Neuroscience (MR imaging of Psychiatric disorders), Chieti
Oct 2016	Base camp: neurovascular imaging Functional anatomy of cerebellum, Firenze
Mar 2017	Neuroscience: clinical research, Fondazione Bruno Kessler, Trento
Nov. 2017	Neurophysiological differences and gender, Ordine dei medici di Trento,
Oct 2017	Base camp: neurovascular imaging Cortical territories: anatomy and function, Firenze
Sett. 2017	Associazione Italiana di Neuroradiologia, Functional anatomy of the cerebellum, Napoli
Mar 2018	Cerebral visual impairment in the premature: role of MR, Trento
Oct 2018	Base camp: neurovascular imaging Cerebral fluid dynamics Firenze
Dec 2018	Advanced imaging course in neuroradiology, (AINR), Napoli
May 2019	Functional Anatomy of the Cerebellum, Stresa Glymphatic system, Stresa
June 2019	Neuroimaging of CNS fluid dynamics, Cosenza
June 2019	MR imaging of perivascular spaces in veno-obstructive diseases, Ferrara
Oct 2019	Interactive dynamics of neurofluids, Firenze
Dec 2019	Biannual meeting of Associazione Italiana di Neuroradiologia, Glymphatic system, Ortigia
March 2020	Neuroimaging of CNS fluid dynamics, (Webinar), University of Verona, Verona

SPEAKER (INTERNATIONAL)

April 2014	XX Symposium Neuroradiologicum (MR imaging of Psychiatric disorders) Istanbul, Turkey
Sept. 2017	AIMS, Intracranial hypertension and glymphatic system Tokyo, Japan
March 2018	Polish Radiological Society (Neuroimaging of CNS Fluid Dynamics – The Role of Glymphatic System in Neurodegenerative Disorders) Lodz, Poland
March 2018	XXI Symposium Neuroradiologicum (Functional anatomy of the cerebellum), Taipei, Taiwan
April 2018	Idiopathic intracranial hypertension: newer insights into its pathophysiology, ISNVD, Zhengzhou, China
Oct. 2018	MRI symposium Severance Hospital (Neuroimaging of CNS Fluid Dynamics – The Role of Glymphatic System in Neurodegenerative Disorders), Seoul, South Korea
Feb. 2019	First conference Seizures&Stroke (Neuroimaging of post-stroke seizures) Gothenburg, Sweden
June 2019	Neuroimaging of CNS fluid dynamics, University of Southampton, UK
April 2020	COVID-19 Emergency: The Italian Experience (webinar), ISMRM
August 2020	Zooming into Perivascular Spaces in the brain: Virtual annual meeting, ISMRM
Nov. 2020	The several faces of COVID-19 and brain lesions: the usual and the unusual (webinar) ISNVD

TEACHING EXPERIENCE

ABROAD

2010 till present
4/2015 – 6/2015

Radiology residency and neuroradiology fellowship program, University of Utah, Salt Lake City, USA
Visiting Professor, Johns Hopkins University, Baltimore (USA)

ITALY

2013 – fino ad oggi
2015 – 2016
2013 – 2014
2010 – 2012

Elective course: Biomedical applications of mathematics and imaging, Faculty of Mathematics, UNITN
Elective course: Clinical Neuroscience, Faculty of Cognitive Science, UNITN, Italy
Workshop Neuroradiology and MRI School of Radiographers, University of Verona
Laurea per tecnici di radiologia medica, Facoltà di Medicina e Chirurgia, Università di Verona.

STUDENT'S DISSERTATION TITLES

- Optimization of MR protocol in pediatric patients with neurofibromatosis.**
11/07/2011-11/07/2011 Anna Velia Università di Verona, Faculty of Medicine
- Optimization of MR protocol in patients with multiple sclerosis**
12/09/2011 - 21/10/2012 Giuseppe Panzica University of Verona, Faculty of Medicine
- Magnetic resonance imaging in research centers**
01/11/2012- 04/03/2013 Luciano Trodella University of Verona, Faculty of Medicine

4. **Diffusion tensor imaging: what, how and when?**
4/07/2014 - 18/11/2014, Angela Serafin, Radiographer, University of Verona
5. **Altered white matter integrity in the auditory cortex and association areas of a patient with profound bilateral deafness: a DTI study**
03/09/2012 - 16/09/2013 Niyati Roy Chowdhury University of Trento, Faculty of Cognitive Sciences
6. **DTI analysis of white matter pathologies in Alzheimer's disease, mild cognitive impairment and idiopathic Parkinson's disease**
10/09/2012 - 09/12/2013 Nida Sajjad University of Trento, Faculty of Cognitive Sciences
7. **Correlating DTI indices with neuropsychological test in patient's with Alzheimer's disease and mild cognitive impairment**
11/11/2013 - 14/07/2014, Arianna Polato, University of Trento, Faculty of Cognitive Sciences
8. **Alterations of white matter in patients with unilateral acquired deafness: a DTI study**
16/09/2013 - 15/09/2014 Giulia di Gioia University of Trento, Faculty of Cognitive Sciences
9. **Cortical modifications in patients with unilateral deafness: a VBM study**
16/09/2013 - 15/09/2014 Simone Centonze University of Trento, Faculty of Cognitive Sciences
10. **Volumetric analysis of gray matter, white matter and CSF volume in patients with Alzheimer's disease and mild cognitive impairment**
09/09/2013 - 08/09/2014 Ylenia Pullara University of Trento, Faculty of Cognitive Sciences
11. **Role of resting state functional MRI in neurological disorders**
1/9/2013-11/3/2015, Veronica Nardelli, University of Trento, Faculty of Cognitive Sciences
12. **Role of resting state functional MRI in disorders of consciousness**
1/9/2013-11/3/2015, Anna Gentilini, University of Trento, Faculty of Cognitive Sciences
13. **Hippocampal and sub-hippocampal volumes to allow differential diagnosis between Alzheimer's disease and mild cognitive impairment.**
1/9/2015 - 20/3/2016, Lucrezia Dalai, University of Trento, Faculty of Cognitive Sciences
14. **Functional connectivity analysis in a patient with semantic dementia. A longitudinal study.**
1/9/2015- 20/9/2016, Jenny Dallavilla, University of Trento, Faculty of Cognitive Sciences
15. **Diffusion MRI and graph analysis: a study on TDL and its clinical applications**
1/2/2015- 20/3/2017, Salvatore Lacava, University of Trento, Faculty of Cognitive Sciences
16. **Disorders of consciousness: an fMRI and DTI study in a patient with major traumatic brain injury**
1/10/2016 - 10/10/2017, Jasmine Pani, University of Trento, Faculty of Cognitive Sciences.
17. **Voxel-based morphometry of the precuneus in patients with Alzheimer's disease and Vascular dementia**
October 2018 Trisha Evans Kibaya, University of Trento, Faculty of Cognitive Sciences.

PEER REVIEWED PAPERS

1. **Nivedita Agarwal** and Roxana O Carare. The cerebral vessels: an overview of anatomy, physiology and role in the drainage of fluids and solutes. *Frontiers in Neurology* 2020 submitted (30th September 2020)
2. Matthew Sharp..., **Nivedita Agarwal** et al. Demonstrating a reduced capacity for removal of fluid from cerebral white matter and hypoxia in areas of White Matter Hyperintensity associated with age and dementia. 2020, *Acta Neuropathologica Communications*
3. **Nivedita Agarwal**, Rosella Martini, Giovanni Pedrotti, Sabino Della Sala. Unusual lesion in the splenium of the corpus callosum and coronavirus infectious disease-19. *BJR|case reports* 2020 6:3

4. Roxana Carare..., **Nivedita Agarwal** et al. Cerebrovascular disease and the failure of elimination of Amyloid- β from the brain and retina with age and Alzheimer's disease. Opportunities for Therapy. *Alzheimer's Dement.* 2020;12:e12053
5. Johan Zelano, Martin Holtkamp, **Nivedita Agarwal**, Simona Lattanzi, Eugen Trink, Francesco Brigo. How to diagnose and treat post-stroke seizures and epilepsy. *Seminars in Epileptology, Epileptic Disord* 2020; 22 (3): 252-63.
6. **Agarwal N.** Contarino C., Toro E. Neurofluids: A holistic approach to their physiology, interactive dynamics and clinical implications for neurological diseases. *Veins & Lymphatics*. Volume 8 (3) 2019
7. **Agarwal N.**, Contarino C., Bertazzi L., N. Limbucci, Toro E. F. Intracranial fluid dynamics changes in idiopathic intracranial hypertension: pre and post therapy. *Current Neurovascular Research*, 2018, Vol. 15, 2 (1-9)
8. **Agarwal N.**, L. Lenzi, N. Dorigoni, S. Cozzio, Sabino W Della Sala, Multifaceted progressive neurotuberculosis in a single patient: from miliary tuberculomas to cortical venous infarct. 2018 Jul 12;5(1):20180020
9. N.Schiess, K.Huether, M.Szolics, **N.Agarwal**, A.W.El-Hatta, S.Sathe. Multiple sclerosis or "inflammatory CADASIL?": Case Report and review of the literature. *Clinical Neurology and Neurosurgery*. 2018 Oct;173:196-199
10. **Agarwal N.**, Aylin Tekes Andrea Poretti, Avner Meoded, Thierry A.G.M. Huisman. Pitfalls in diffusion weighted and diffusion tensor imaging of the pediatric brain. *Neuropediatrics* 2017 Oct;48(5):340-349
11. Franceschi R, **Agarwal N**, Savona Valentina, Maines Evelina, Bellizzi Maria, Di Palma Annunziata. Persistent torticollis: Think about Grisel's syndrome. *Journal of Pediatric Neuroradiology* 2014. 175-180.
12. Franceschi R, Maines E, Fedrizzi M, Piemontese MR, De Bonis P, **Agarwal N**, Bellizzi M, Di Palma A. Familial cleidocranial dysplasia misdiagnosed as rickets over three generations. *Pediatric International* 2014 (57) 1003-6.
13. Shprecher, David R; Gannon, Keenan; **Agarwal N.**; Shi, Xianfeng; Anderson, Jeffrey S; Elucidating the nature and mechanism of tic improvement in Tourette syndrome: A pilot study. *Tremor and Other Hyperkinetic Movements*. 2014 (4).
14. Paolo Zanatta, Gianna Maria Toffolo, Elisa Sartori, Anna Bet, Fabrizio Baldanzi, **Agarwal N.**, Eugene Golanov. The human brain pacemaker: Synchronized infra-slow neurovascular coupling in patients undergoing non-pulsatile cardiopulmonary bypass. *NeuroImage* 2013 DOI: 10.1016/j.neuroimage.2013.01.033
15. Port JD and **Agarwal N.** Magnetic resonance spectroscopy and schizophrenia. *JMRI* 2011;34:1251-61.
16. **Agarwal N.** and Renshaw PF. Proton magnetic resonance spectroscopy detectable major neurotransmitters of the brain: their biology and possible clinical applications. *AJNR*. 2012 Apr;33(4):595-602
17. **Agarwal N.**, Young-Hoon Sung, J. Eric Jensen, Grace daCunha, David Harper, Perry F Renshaw. Acute administration of uridine increases brain membrane phospholipid precursors in healthy adults: A 31-Phosphorus Magnetic Resonance Spectroscopy Study at 4T. *Bipolar Disord*. 2010 Dec;12(8):825-33.
18. **Agarwal N**, Port DJ, Bazzocchi M, Renshaw PF. Update on Magnetic Resonance Imaging in Psychiatric Disorders. *Radiology*. 2010;255(1), 23-41.
19. **Agarwal N**, Rambaldelli G, Perlini C, Dusi N, Kitis O, Bellani M, Cerini R, Isola M, Versace A, Balestrieri M, Gasparini A, Pozzo Mucelli R, Tansella M, Brambilla P. Microstructural thalamic changes in schizophrenia: a combined anatomical and diffusion weighted MRI study. *J Psych and Neuroscience*. 2008; 33(5): 440-48.
20. **Agarwal N**, Bellani M, Perlini C, Rambaldelli G, Atzori M, Cerini R, Vecchiato F, Pozzi Mucelli R, Balestrieri M, Tansella M, Brambilla P. Increased fronto-temporal perfusion in bipolar disorder. *J Affect Disord*. 2008 110:106-114.
21. **Agarwal N**, Como G, Brambilla P, Baiano M, Maieron M, Balestrieri M, Perini L, Zuliani R, Ciano R, Bazzocchi M. Functional magnetic resonance imaging study investigating mechanism of memory suppression in stress-related psychiatric disorders: preliminary results. *European Radiology*. 2008; Suppl 1 (18).
22. Ferri R, Elia M, **Agarwal N**, Lanuzza, Musumeci SA, Pennissi G. The mismatch negativity and the p3a components of the auditory event-related potentials in autistic low-functioning subjects. *Clinical Neurophysiol*. 2003; 114:1671-1680.

Structural anatomy of the cerebrum
 Functional anatomy of the major white matter tracts
 Structural anatomy of the cerebellum
 Functional anatomy of the cerebellum and brainstem
 Anatomy and function of the olfactory nerve
 Anatomy and function of the optic nerve
 Anatomy and function of the oculomotor nerve
 Anatomy and function of the trochlear nerve
 Anatomy and function of the abducens nerve
 Anatomy and function of the glossopharyngeal nerve
 Anatomy and function of the vagus nerve

1. Agarwal Nivedita, Zolnourian Ardan, Galea Ian, Carare Roxana, Bulters, Diederik. Incidence of enlarged perivascular spaces six-months after aneurysmal subarachnoid hemorrhage: a retrospective MR study. ISMRM, Montreal 2019
2. Lisa Novello, N. Agarwal, Stefano Lorentini, Sabina Vennarini, Domenico Zacà, Ofer Pasternak, and Jorge Jovicich. Diffusion MRI characterization of Proton-therapy-induced brain tissue changes: a case study, ISMRM, Montreal 2019
3. Trisha Kibaya, N. Agarwal and Jorge Jovicich. High and Low Risk Dementia Classification In Early MCI and ADNI1, ISMRM, Montreal 2019
4. Nivedita Agarwal, Christian Contarino, Giuseppenicolo Frau, and Eleuterio Toro. Inefficient cranial venous outflow in patients with Meniere's disease, ISMRM, Montreal 2019
5. N. Agarwal, C. Contarino, A. Scoz, G. Rossi, E.F. Toro. Can non-invasive phase contrast cine MR imaging replace lumbar puncture in idiopathic intracranial hypertension?: a case study. International Society of Neurovascular diseases, May 2017 Taormina (Italy).
6. N. Agarwal, M. Chiusole, G. Rossi, J.D. Port, O. Pasternak. Longitudinal tissue changes in tumefactive demyelinating lesion associated with the administration of disease modifying drugs: a free water diffusion MRI study. ISMRM May 2017
7. Jens Schwarzbach, Jenny Dallavilla, Angelika Lingnau, N.Agarwal. Resting state fMRI allows tracking of functional connectivity on an individual level. Vth conference on Resting State, Vienna September 2016
8. N. Agarwal, N Roy Chowdhury, G. Frau, M. Neri, F. Pavani. Alterazione Della Sostanza Bianca Nelle Aree Di Associazione Auditiva In Paziente Con Sordità Profonda Bilaterale: Uno Studio DTI. 27° Congresso Nazionale Associazione Italiana Neuroradiologia, L'Aquila, 18-21 Settembre 2013.
9. N. Agarwal, F. Maule, L. Shah, M. Bromberg, P. Avesani. Assessment Of Corticospinal Tract In Amyotrophic Lateral Sclerosis With Deterministic Tractography. 27° Congresso Nazionale Associazione Italiana Neuroradiologia, L'Aquila, 18-21 Settembre 2013
10. E. Olivetti, T. B. Nguyen, E Garyfallidis, N. Agarwal, P. Avesani. Fast Clustering for interactive Tractography Segmentation. 3rd International Workshop on Pattern Recognition in NeuroImaging June 22-24, 2013 University of Pennsylvania, Philadelphia PA, USA
11. M. Acler, D. Bonifati, E. Gremes, U. Rozzanigo, N. Agarwal, D. Orrico. Environmental risk factors in carotid and vertebro-basilar artery dissections. Neurological Sciences. Vol. 33-Suppl Oct. 2012
12. Agarwal N., Prescott AP, Pertile R, Lubdha MS, Huber R, Bromberg MB, Renshaw PF. Reduced N-acetylaspartyl glutamate (NAAG) in the primary motor cortex of patients with amyotrophic lateral sclerosis: a proton magnetic resonance spectroscopy study. Journal of Neurology Suppl. 1 Vol 258; S222. May 2011.
13. Sphrecher D, Agarwal N. et al. Elucidating the nature and mechanism of tic remission in Tourette syndrome using Magnetic Resonance Imaging. American Academy of Neurology, Hawaii, April 2011.
14. Agarwal N., Andrew P. Prescott, Lubdha M Shah, Jackie Whitesell, Mark Bromberg, Perry F. Renshaw. Glutamate levels in motor cortex of patients with Amyotrophic Lateral Sclerosis correlates with the clinical distribution of motor symptoms: 1H-magnetic resonance spectroscopy study. American Society for Functional Neuroimaging, Las Vegas, NV, USA February 2010.
15. Agarwal N., Brent P Forester, J Eric Jensen, Chun Zuo, Perry F. Renshaw. Alterations in brain N-acetyl aspartyl glutamate in geriatric depression. International Society of Magnetic Resonance Medicine, Quebec, Canada Nov. 2008.
16. Agarwal N., J.A. Stanley, G. Como, M. Baiano, M. Maieron, M. Balestrieri, L. Perini, R. Zuliani, R. Ciano, E. Maso, G. Brondani, C. Zuiani, M. Bazzocchi, P. Brambilla. Investigation of Dorsolateral Prefrontal Cortex in anxiety disorder patients with 1H Magnetic Resonance Spectroscopy. Collegium Neuropsychopharmacologicum. July 2008.

17. Agarwal N., Como G., Brambilla P., Baiano M., Maieron M., Balestrieri M., Perini L., Zuliani R., Ciano R., Bazzocchi M. Functional Magnetic Resonance Imaging study investigating mechanisms of memory suppression in stress-related psychiatric disorders: preliminary results. *European Radiology*. 2008;Suppl 1(18).
18. Agarwal N., Piccoli G., Gigli G.L., Bergonzi P., Gasparini D. Carotid artery angioplasty and stenting in daily practice: Follow-up in 274 patients over 3 years. *Journal of Vascular Interventional Radiology*. 2006;17(2):S59.
19. Agarwal N., Carchietti E., Antoniazzi M., Baldini S., D'Antoni R., Muchiutti M., Roncasti F., Gigli G.L. Un percorso tempestivo per i pazienti con sospetto Ictus: Codice Stroke e Codice Fibrinolisi applicati nella Provincia di Udine. [abstract in Italian]. *Rivista Italiana di Neurobiologia*. Suppl. fascicolo 1; 2005.
20. Cavarape A., Basile D., Dolso P., Agarwal N., Gigli G.L., Piccoli G.L., Gasparini D. Study of Risk Factors in Patients with Carotid Stenosis. *Cerebrovascular Disorders*. 2005;19(Suppl 1):42
21. Agarwal N., Dolso P., Piccoli G., Vit A., Gasparini D., Gigli G.L. Carotid Angioplasty and Stent Placement in Asymptomatic Patients: Our experience. *Cerebrovascular Disorders*. 2005;19(Suppl 1):5
22. Agarwal N., Dolso P., Piccoli G., Vit A., Gasparini D., Gigli G.L. Angioplastica e Stent Carotideo in Pazienti Asintomatici: La nostra esperienza [abstract in Italian]. *Rivista Italiana di Neurobiologia*. Suppl. fascicolo 1; 2005.
23. Lanteri P., Agarwal N., Bianconi C., Corica A., Gigli G.L. The different value of polysomnography and cognitive event-related potentials in the monitoring and definition of vegetative state. *Neurological Sciences*. 2004;25:86.
24. Agarwal N., Gigli G.L., Borghesi I., Skrap M. Supratentorial Cavernous Hemangiomas and Epilepsy: A 5-yr Retrospective Study. *Journal of Neurology*. 2004;251:95.
25. Budai R., Agarwal N., Gigli G.L. Processing of cortical source location: a study of an artificial source in sensory-motor left area. *Neurological Sciences*. 2004;25:69
26. Agarwal N., Budai R., Gigli G.L. Parallel Processing of Words and Non-Words in Auditory Pathways. *Neurological Sciences*. 2004;25:194.
27. Agarwal N., Dolso P., Gigli G.L. Repetitive Cerebral Hemorrhage and Livedo Reticularis an Unusual Case of Sneddon Syndrome. *Neurological Sciences*. 2003;24:90.
28. Agarwal N., Gigli G.L., De Vita S. Brown-Sequard Syndrome as a Presenting Feature of Acute Transverse Myelitis (ATM) in Undifferentiated Connective Tissue Disorders (UCTD). *Neurological Sciences*. 2003;24:138.
29. Agarwal N., Lanuzza B., Ferri R. Chronic Administration of Inhibitors of Acetylcholinesterase Do Not Modify Mismatch Negativity to Frequency Changes in Alzheimer Disease. *International Journal of Psychophysiology*. 2002;45:105.
30. Iero I., Elia M., Cosentino F., Lanuzza B., Spada R.S., Roscano G., Tripodi M., Agarwal N., Ferri R. Isolated Mono-lateral Sensorineural Hearing Loss: A Rare Manifestation of Neuroborreliosis. *Neurological Sciences*. 2001;22:60.
31. Padua L., Ghirlanda G., Saponara C., Aprile I., Agarwal N., Tonali P. Influence of the Diabetic Polyneuropathy on the Health-related Quality of Life: Clinical-Neurophysiological-Metabolical Relationships. *Journal of the Peripheral Nervous System*. 1999;4:1.