

Prof. Dr. Kresimir Rotim



Personal details and contact information

- Born: 23.04.1967
- Place of birth: Vukovar
- Country of birth: Croatia
- Nationality: Croatian
- Address: Rebro 53 b, 10360 Sesvete, Croatia
- Work address: University Hospital Center „Sestre milosrdnice“,

Memberships

- Croatian Medical Association
- Croatian Medical Chamber
- National Health Council
- Education, Science and Culture Committee of Croatian Parliament
- Croatian Association of Forensic Experts
- Association of Endoscopic Surgery
- European Association of Neurological Surgeons (EANS)
- Congress of Neurological Surgeons (CNS)
- American Association of Neurological Surgeons (AANS)

President of:

- Southeast Europe Neurosurgical Society – SeENS
- Croatian Society of Spine Surgery (Croatian Medical Association)
- Croatian Society of Cerebrovascular Surgery (Croatian Medical Association)

Qualifications

- High school: High School for Dental Technicians in Zagreb, Croatia, Graduated: 1985
- Medical faculty at the University of Zagreb Croatia: 1986 / 1991; Graduation: 12.10.1991.
- Internship at the Health Center of Ministry of Internal Affairs: 10.9.1991/10.9.1992. (examination at Ministry of Health, Republic of Croatia 09.09.1992.)
- Postgraduate study at the Dept. of Biology at the Faculty of Science at the University of Zagreb: 1994
- Earned master's degree with thesis "Frequency of inflammatory complications in surgeries of cerebrovascular liquor drainage" in 1996
- Residency in neurosurgery at the Department of Neurosurgery of the University Hospital Center Zagreb, School of Medicine, in 1993. (examination at Ministry of Health, Republic of Croatia 18.09.1998.)
- Specialist-neurosurgeon: 18.09.1998.
- Defended PhD thesis "Endoscopic third ventriculostomy using ultrasound contact microsound" in 2000
- The title – Primarius: Ministry of Health, Republic of Croatia: 2009
- University Professor at School of Medicine University of Split and School of Medicine University of Mostar (Bosnia nad Herzegovina): 2009
- Docent at School of Medicine University of Zagreb: 2010
- Assistant of Dean for International Cooperation and Development at University of Applied Health Studies: 2014
- Dean at University of Applied Health Studies: 2016

Employment history

- Post: Doctor specialist-neurosurgeon – Head of the Department of Neurosurgery

20.12.2006- University Hospital Center „Sestre milosrdnice“, Vinogradska Street 29,
Zagreb 10000, Croatia

- Brief job description: -Surgeon at the Department of Neurosurgery at the University Hospital Sestre milosrdnice, ambulatory work with patients, performing and assisting all surgical procedures, research work in neurosurgery. Administration implied by the position of Head of the Department of Neurosurgery.
- Post: Doctor specialist-neurosurgeon – Director of the University Hospital „Sestre milosrdnice“; Head of the Department of Neurosurgery 22.4.2008.-2012.
- Brief job description: - Surgeon at the Department of Neurosurgery at the University Hospital Sestre milosrdnice, ambulatory work with patients, performing and assisting all surgical procedures, research work in neurosurgery. Administration implied by the position of Director of the University Hospital „Sestre milosrdnice“ and Head of the Department of Neurosurgery.
- Post : Doctor Specialist-neurosurgeon 1.3.2005. – 19.12.2006.
- University Hospital Dubrava, Gojko Šušak Avenue 6, Zagreb 10000, Croatia
- Brief job description: -Surgeon at the Department of Neurosurgery at the University Hospital Dubrava, ambulatory work with patients, performing and assisting all surgical procedures, research work in neurosurgery.
- Post : Doctor Specialist-neurosurgeon 18.9.1998.- 28.2.2005. University Hospital Center Zagreb, Kišpatićeva 12, Zagreb 10000, Croatia
-Prof. Dr. Josip Paladino, supervisor, Head of the Department of Neurosurgery
Brief job description: -Surgeon at the Department of Neurosurgery at the University Hospital Center Zagreb, ambulatory work with patients, performing and assisting all surgical procedures, research work in neurosurgery. Direct supervision by Prof. dr.

Josip Paladino Head of the Department of Neurosurgery.

- Post : Doctor of Medicine, Residency in Neurosurgery (Specialist training)
1.6.1993.-18.9.1998.
University Hospital Center Zagreb, Kišpatićeva 12, Zagreb 10000, Croatia
- Prof. Dr. Josip Paladino, supervisor, Head of the Department of Neurosurgery
- Brief job description: Specialisation in neurosurgery (surgical specialist training)
- Post: Doctor of medicine – general practice 11.9.1992.-31.5.1993.
 - Health Center of Ministry of Internal Affairs, Šarengradska 3, 10000 Zagreb, Croatia
- Brief job description: working as general practice physician.
- Post : Doctor of medicine – intern (internship) 10.09.1991.-10.9.1992.
 - Health Center of Ministry of Internal Affairs, Šarengradska 3, 10000 Zagreb, Croatia
- Brief job description: internship (rotational).

Research experience

Assistant-investigator in clinical researches „Changes of telencephalic wall in hydrocephalus of perinatal period“ supervised by prof.dr. Pavle Miklič and „Craniocerebral trauma“ and „Functional neurosurgery“ supervised by prof.dr. Josip Paladino, all under the sponsorship of the Ministry of Science and Technology and Croatian Institute for Brain Research. In 1997 granted research project of Ministry of Science and Technology for young scientists:

„Endoscopic treatment of hydrocephalus“. Since 2007 participates in research project

„Phosphorylation of tau protein in development and Alzheimer disease“, supervised by dr.sc.

Goran Šimić and works as a principle investigator in international research project about subarachnoidal haemorrhage treatment CONSCIOUS-2, Protocol AC-054-301 Study

Initiation Visit, that has been conducting in University Hospital „Sestre milosrdnice“.

Publications

1. Rotim K, Miklic P, Paladino J, Melada A, Marcikic A, Scap M. Reducing the

- incidence of infection in pediatric cerebrospinal fluid shunt operations. *Childs Nerv Syst.* 1997 Nov-Dec;13(11-12):584-7.
2. Paladino J, Rotim K, Heinrich Z. Neuroendoscopic fenestration of arachnoid cysts. *Minim Invasive Neurosurg.* 1998 Sep;41(3):137-40.
 3. Melada A, Heinrich Z, Chudy D, Scap M, Rotim K. The Difference Between Ultrasound-Guided and Stereotactic-Guided Neurosurgical Procedures. *Minim Invasive Neurosurg.* 2000 Sep;43(3):149-52.
 4. Paladino J, Rotim K, Stimac D, Pirker N, Stimac A. Endoscopic Third Ventriculostomy with Ultrasonic Contact Microprobe. *Minim Invasive Neurosurg.* 2000;43(3):132-4.
 5. Paladino J, Stimac D, Rotim K, Pirker N, Stimac A. Ultrasonic Contact Microprobe: Experimental Results. *Minim Invasive Neurosurg.* 2000;43(2):72-4.
 6. Paladino J, Rotim K, Pirker N, Glunčić V, Jurić G, Kalauz M. Minimally invasive treatment of cavernous angioma of the optic chiasm: case report. *Minim Invasive Neurosurg.* 2001;44(2):114-6.
 7. Jurić G, Jakić-Razumović J, Rotim K, Zarković K. Extranodal sinus histiocytosis (Rosai-Dorfman disease) of the brain parenchyma. *Acta Neurochir (Wien).* 2003;145(2):145-9; discussion 149
 8. Dobec-Meić B, Pikija S, Cvetko D, Trkulja V, Pazanin L, Kudelić N, Rotim K, Pavlicek I, Kostanjevec AR. Intracranial tumors in adult population of the Varazdin County (Croatia) 1996-2004: a population-based retrospective incidence study. *J Neurooncol.* 2006 Jul;78(3):303-10. Epub 2006 Apr 6.
 9. Marinovic T, Skrlin J, Vilendecic M, Rotim K, Grahovac G.

Multiple Aspergillus brain abscesses in immuno-competent patient with severe craniofacial trauma : case report. *Acta Neurochir (Wien)*. 2007;149(6):629-32.

10. Bozic B, Rotim K, Houra K. Giant choroid plexus cyst as an accidental finding in an older man. *Coll Antropol*. 2008;32 Suppl 1:195-7.

11. Beros V, Houra K, Rotim K, Kovac D, Cupić H. Thoracic intramedullary sarcoidosis mimicking an intramedullary tumor. *Coll Antropol*. 2008;32(2):645-7.

12. Rudan I, Marusić A, Janković S, Rotim K, Boban M, Lauc G, Grković I, Dogas Z, Zemunik T, Vatavek Z, Bencić G, Rudan D, Mulić R, Krzelj V, Terzić J, Stojanović D, Puntarić D, Bilić E, Ropac D, Vorko-Jović A, Znaor A, Stevanović R, Biloglav Z, Polasek O. "10001 Dalmatians" : Croatia launches its national biobank.. *Croat Med J*. 2009;50(1):4-6.

13. Polasek O, Marusić A, Rotim K, Hayward C, Vitart V, Huffman J, Campbell S, Janković S, Boban M, Biloglav Z, Kolčić I, Krzelj V, Terzić J, Matec L, Tometić G, Nonković D, Nincević J, Pehlić M, Zedelj J, Velagić V, Juricić D, Kirac I, Belak Kovacević S, Wright AF, Campbell H, Rudan I. Genome-wide association study of anthropometric traits in Korcula Island, Croatia. *Croat Med J*. 2009 Feb;50(1):7-16.

14. Zemunik T, Boban M, Lauc G, Janković S, Rotim K, Vatavek Z, Bencić G, Dogas Z, Boraska V, Torlak V, Susac J, Zobić I, Rudan D, Pulanić D, Modun D, Mudnić I, Gunjaca G, Budimir D, Hayward C, Vitart V, Wright AF, Campbell H, Rudan I. Genome-wide association study of biochemical traits in Korcula Island, Croatia. *Croat Med J*. 2009 Feb;50(1):23-33.

15. Houra K, Beros V, Kovac D, Sajko T, Gnjidić Z, Rotim K. Accidental Finding of an Anomalous Spinal nerve Root during Lumbar-disc Surgery : A case report and a

Review of Literature. Coll Antropol. 2010;34(3):1105-8.

16. Johansson A, Marroni F, Hayward C, Franklin CS, Kirichenko AV, Jonasson I, Hicks AA, Vitart V, Isaacs A, Axenovich T, Campbell S, Floyd J, Hastie N, Knott S, Lauc G, Pichler I, Rotim K, Wild SH, Zorkoltseva IV, Wilson JF, Rudan I, Campbell H, Pattaro C, Pramstaller P, Oostra BA, Wright AF, van Duijn CM, Aulchenko YS, Gyllensten U; EUROSPAN Consortium. Linkage and genome-wide association analysis of obesity-related phenotypes : association of weight with the MGAT1 gene. Obesity (Silver Spring). 2010;18(4):803-8.

17. Beroš V, Houra K, Rotim K, Živković D J, Čupić H, Kosec A. Isolated cerebellar intraparenchymal Rosai-Dorfman disease : case report and review of literature. Br J Neurosurg. 2011;25(2):292-6.

18. Sajko T, Skoro I, Rotim K. How I do it - selective amygdalohippocampectomy via subtemporal approach. Acta Neurochir (Wien). 2013;155(12):2381-7.

19. Rogić Vidaković M, Gabelica D, Vujović I, Šoda J, Batarelo N, Džimbeg A, Zmajević Schönwald M, Rotim K, Đogaš Z. A novel approach for monitoring writing interferences during navigated transcranial magnetic stimulation mappings of writing related cortical areas. J Neurosci Methods. 2015;255:139-50.

20. Rogić Vidaković M, Schönwald MZ, Rotim K, Jurić T, Vulević Z, Tafra R, Banožić A, Hamata Ž, Đogaš Z. Excitability of contralateral and ipsilateral projections of corticobulbar pathways recorded as corticobulbar motor evoked potentials of the cricothyroid muscles. Clin Neurophysiol. 2015;126(8):1570-7.

Publications in SCIE/SSCIE:

1. Vrhovac I, Francetic I, Rotim K. Drug trials on healthy volunteers in Yugoslavia.

Internat J Clin Pharmacol Therap. 1990;28(9):375-379.

2. Miklic P, Gjurasin M, Barisic N, Lukenda M, Rotim K, Chudy D. Complete remission of central diabetes insipidus associated with communicating hydrocephalus following ventricular shunting - A case report . Neurol Croat. 1996;45(1): 29-37.
3. Melada A, Marcikic M, Rotim K, Pazanin L. Intracranial meningioma coexistent with cholesteatoma: A case report. Neurol Croat.1997;46(1-2): 59-65.
4. Paladino J, Rotim K, Mrak G, Grizelj M, Gluncic V. Endoscopically assisted microsurgery of benign pineal region tumor tuzmors. Neurol Croat. 1998;47(3-4):209-
5. Heinrich Z, Melada A, Mrak G, Scap M, Rotim K, Marcikic M, Gluncic V. Facioorbito-cranial missile injuries. Neurol Croat. 1999;48(2-3):85-92.
6. Kolic Z, Zamolo G, Eskinja N, Willheim K, Rotim K, Mihaljevic D. Chudy D. Postmeningitis adult hydrocephalus following contracted tuberculous meningitis in childhood? Neurol Croat. 2004; 53(3-4):95-98.
7. Chudy D, Sporis D, Rotim K. Occipital neuralgia relieved with C2 ganglionectomy. Neurol Croat. 2004; 53(1-2): 29-33.
8. Rotim K, Marinović T, Paladino J. Considerations and complications of ventricular endoscopy. Neurol Croat. 2005;54(3):55-61.
9. Rotim K, Marinović T, Vilendečić M, Pavić L, Grahovac G. Computed tomography angiography vs. digital subtraction angiography for detection and characterization of intracranial aneurysms at Dubrava university hospital, Zagreb. Neurol Croat. 2007;56(3):43-48.
10. Demarin V, Basić-Kes V, Zavoreo I, Bosnar-Puretić M, Rotim K, Lupret V, Perić M, Ivanec Z, Fumić L, Lusić I, Aleksić-Shihabis A, Kovac B, Ivanković M, Skobić H,

- Maslov B, Bornstein N, Niederkorn K, Sinanović O, Rundek T. Recommendations for neuropathic pain treatment. *Acta Clin Croat.* 2008;47(3):181-91.
11. Božić B, Rotim K, Kogler A, Broz R, Krpina H, Čupić H, Radić J. Cerebellar glioblastoma in the elderly--case report. *Acta clin Croat.* 2009;48:175-178.
12. Gopčević A, Vučić M, Lovrenčić-Huzjan A, Vuković V, Bušić M, Vargek-Solter V, Schmidt S, Kovačić N, Rotim K, Demarin V. Increased donor rate at Sestre milosrdnice University Hospital. *Acta Clin Croat.* 2009;48(3): 319-324.
13. Sajko T, Rotim K, Kudelic N, Krpina H, Miletic L. Intraventricular location of metastatic breast carcinoma: a case report. *Acta Clin Croat* 2009; 48(1):55-58.
14. Demarin V, Lovrenčić-Huzjan A, Bašić S, Bašić-Kes V, Bielen I, Breitenfeld T, Brkljačić B, Cambi-Sapunar L, Jurjevic A, Kadojic D, Krolo I, Lovričević I, Lušić I, Radoš M, Rotim K, Rundek T, Schmidt S, Trkanjec Z, Vargek-Solter V, Vidjak V, Vuković V. Recommendations for the management of patients with carotid stenosis. *Acta Clin Croat.* 2010; 49 (1):101-118.
15. Marcikić M, Hrečkovski B, Samardžić J, Martinović M, Rotim K. Spontaneous resolution of post-traumatic chronic subdural hematoma: Case report. *Acta Clin Croat.* 2010; 49 (3): 331-334.
16. Pavičić-Astaloš J, Iveković R, Knežević T, Krolo I, Novak-Lauš K, Tedeschi-Reiner E, Rotim K, Mandić K, Sušić N. Intralesional triamcinolone acetonide injection for chalazion. *Acta Clin Croat.* 2010; 49 (1):43-48.
17. Bašić-Kes V, Zavoreo I, Rotim K, Bornstein N, Rundek T, Demarin V. Recommendations for diabetic polyneuropathy treatment. *Acta Clin Croat.* 2011 Jun;50(2):289-302.

18. Mihić J, Rotim K, Marcikic M, Smiljanić D. Head injury in children. *Acta Clin Croat.* 2011; 50(4):539-547.
19. Sajko T, Hećimović H, Borić M, Sesar N, Rotim K. Complete resolution of medically refractory temporal lobe epilepsy after arachnoid cyst fenestration. *Acta Clin Croat.* 2011; 50 (4): 589-593.
20. Omerhodžić I, Dizdarević K, Rotim K, Hajdarpašić E, Nikšić M, Bejtić-Čustović E, Selimović E, Čustović M. Cerebral microdialysis: Perioperative monitoring and treatment of severe neurosurgical patient. *Acta Clinica Croat.* 2011; 50 (1):13-20.
21. Mihić J, Rotim K, Marcikić M, Smiljanić D, Dikanović M, Jurjević M, Matić I. The Prevalence of Neurocranium Injury in Children in Brod-Posavina County. *Acta Clin Croat.* 2012 Dec;51(4):615-22.
22. Bašić Kes V, Cesarik M, Corić L, Zavoreo I, Rotim K, Beros V, Pazanin L, Drnasin S, Demarin V. Tumor-like multiple sclerosis. *Acta Clin Croat.* 2012 Mar;51(1):113-6.
23. Vukas D, Ledić D, Grahovac G, Kolić Z, Rotim K, Vilendecić M. Clinical outcomes in patients after lumbar disk surgery with annular reinforcement device: two-year follow up. *Acta Clin Croat.* 2013;52(1):87-91.
24. Rotim K, Sajko T, Škoro I, Zmajević-Schönwald M, Borić M. Complete neurological recovery after surgery for mesencephalic cavernoma: Case report. *Acta Clin Croat.* 2014; 53 (4):494-498.
25. Prpić I, Ahel T, Rotim K, Gajski D, Vukelić P, Sasso A. The use of neuroimaging in the management of chronic headache in children in clinical practice versus clinical practice guidelines. (2014) *Acta Clin Croat.* 2014; 53 (4): 449-454.
26. Solter VV, Breitenfeld T, Roje-Bedeković M, Supanc V, Lovrenčić-Huzjan A, Serić

V, Antončić I, Bašić S, Beros V, Bielen I, Soldo SB, Kadojić D, Lusić I, Maldini B, Marović A, Paladino J, Poljaković Z, Radanović B, Rados M, Rotim K, Vukić M, Zdravec D, Kes VB. General recommendations for the management of aneurysmal subarachnoid hemorrhage. *Acta clin Croat.* 2014; 53 (1): 139-152.

27. Solter VV, Roje-Bedeković M, Breitenfeld T, Supanc V, Lovrenčić-Huzjan A, Šerić V, Antončić I, Bašić S, Beroš V, Bielen I, Soldo SB, Kadojić D, Lušić I, Maldini B, Marović A, Paladino J, Poljaković Z, Radanović B, Radoš M, Rotim K, Vukić M, Zdravec D, Kes VB. Recommendations for the management of medical complications in patients following aneurysmal subarachnoid hemorrhage. *Acta Clin Croat.* 2014; 53 (1): 113-138.

28. Rotim K, Sajko T, Zmajević M, Šumonja I, Grgić M. Dysphonia as an uncommon presentation of pontocerebellar choroid plexus papilloma. *Acta Clin Croat.* 2015;54(2):227-231.

29. Bašić Kes V, Jurašić MJ, Zavoreo I, Ćorić L, Rotim K. Migraine, carotid stiffness and genetic polymorphism. *Acta Clin Croat.* 2015;54(4):409-415.

30. Rasulić LG, Puzović V, Rotim K, Jovanović M, Samardžić M, Živković B, Savić A. The epidemiology of forearm nerve injuries - A retrospective study. *Acta Clin Croat.* 2015;54(1):19-24.

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