

ZORAN RUMBOLDT
CURRICULUM VITAE

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Education and work experience

Present position: Associate Professor, Department of Radiology, Medical
University of South Carolina, Charleston, SC
December 2004 – present

Previous positions: Visiting Associate Professor, Department of Radiology, Medical
University of South Carolina, Charleston, SC
July 2003 – November 2004

Neuroradiologist at “Sisters of Mercy” University Hospital,
Zagreb, Croatia
September 2001 – June 2003

Consultant for MR Spectroscopy and MR Imaging Sequences
and Protocols at Croatian Brain Institute September 2002 – May
2003

Clinical Fellowship: Neuroradiology at University of North Carolina,
Chapel Hill, NC, USA September 2000 - September 2001

Master of Science: University of Zagreb, Croatia, December 6 2002

Postgraduate study: Radiology at University of Zagreb, Croatia, October 1996 - June
2000

Dedicated courses: Erasmus Course on MRI - Central Nervous System I,
Amsterdam, Netherlands, June 1999

Residency in Radiology: “Sisters of Mercy” University Hospital, Zagreb, Croatia April 1996
– April 2000
Pediatric Radiology rotation – LKH, Graz, Austria
October - November 1998

Editorial experience: Editor and writer of Science & Technology section in the second
biggest Croatian daily newspaper “Jutarnji list” January – August
1998

Ministry of Foreign Affairs: Republic of Croatia, Zagreb, Croatia, November 1994 – March
1996

Post-doctoral fellowship: Molecular biology of collagen genes - osteogenesis imperfecta animal models - University of Connecticut, Farmington, CN, USA
October 1992 – October 1994

Residency in Internal Medicine: D.C. General Hospital, Washington, D.C., USA
July – October 1992
(not completed, quit program after 4 months)

Field doctor: May 1991- April 1992 during the war in Croatia

USMLE:
No. 0-448-307-9
Step 1 August 27, 2002 – score 247/99
Step 2 October 15, 2002 – score 237/91
Step 3 February 4 & 5, 2003 – score 211/86

FMGEMS: passed on July 17 & 18, 1990 - valid indefinitely

State exam: September 1990, Zagreb, Croatia

Internship: September 1989 – September 1990 Zagreb and Split, Croatia

Medical School: University of Zagreb, 1984 -1989 - with the average mark of 4.87
(on a 2-5 scale)
Graduated June 29, 1989

Teaching Assistant: Department of Pharmacology at University of Zagreb School of
Medicine, September 1987 – June 1989

Student exchange program: Oncology - St. Barth's Hospital, London, UK, July 1986

Neurology - Tel Hashomer Hospital, Israel, September 1988

Publications in peer-reviewed journals

1. Simunic M, Rumboldt Z, Giljanovic M, Rumboldt Z. Comparison of enalapril and its combination with hydrochlorothiazide in the management of mild to moderate hypertension. *Croat Med J* 1992;33:23-8
2. Miric D, Rumboldt Z, Rumboldt Z. The impact of meteorological factors on the onset of myocardial infarction in the coastal region of middle Dalmatia. *G Ital Cardiol* 1993;23:655-60
3. Alujevic A, Andelinovic S, Forempoher G, Nigojevic S, Biocic M, Rumboldt Z, Kapural L, Primorac D. Splenic-gonadal fusion of the continuous type in an adult female. *Pathol Int* 1995;45:871-4
4. Rumboldt Z, Smith JK, Castillo M. Triple orbital blow out fracture. *Emerg Rad* 2001;8:341-3
5. Kalajzic I, Terzic J, Rumboldt Z, Mack K, Naprta A, Ledgard F, Gronowicz G, Clark SH, Rowe DW. Osteoblastic response to the defective matrix in the osteogenesis imperfecta murine (oim) mouse. *Endocrinology* 2002;143:1594-1601
6. Rumboldt Z, Castillo M, Smith JK. The palatovaginal canal: can it be identified on routine CT and MRI studies? *Am J Roentgenol* 2002;179:267-72
7. Rumboldt Z, Castillo M. Indolent intracranial mucormycosis: a case report. *Am J Neuroradiol* 2002;23:932-4

8. Cvitanovic-Sojat L, Mucic-Prpic B, Hat J, Rumboldt Z, Kalousek M, Bedek D, Besenski N, Sabol Z, Sepic-Grahovac D, Hajnzic TF, Mataija M, Sojat T. Clinical syndromes of malformations of cortical development in pediatric population and epilepsy. *Neurol Croat* 2002;51 Suppl.2: 34
9. Gnjidic Z, Kubat M, Malenica M, Sajko T, Radic I, Rumboldt Z. Epidemiological, forensic, clinical, and imaging characteristics of head injuries acquired in the suicide attempt with captive bolt gun. *Acta Neurochir (Wien)* 2002;144:1271-7
10. Gnjidic Z, Ivekovic R, Rumboldt Z, Malenica M, Vizner B, Berkovic M. Chiasma syndrome in acromegalic patients - correlation of neuroradiologic and neuroophthalmologic findings. *Coll Antropol* 2002;26:601-8
11. Vizner B, Talan-Hranilovic J, Gnjidic Z, Sekso M, Berkovic M, Altabas V, Rumboldt Z. Lymphocytic adenohypophysitis simulating a pituitary adenoma in a pregnant woman. *Coll Antropol* 2002;26:641-50
12. Rumboldt Z, Jednacak H, Talan-Hranilovic J, Rumboldt T, Kalousek M. Unusual appearance of a cisternal hydatid cyst. *Am J Neuroradiol* 2003;24:112-4
13. Rumboldt Z, Hat J. Contrast-enhanced CT of the head and neck. *Radiology* [serial online] January, 2003; Available at: <http://radiology.rsna.org/cgi/eletters/224/1/171>.
14. Rumboldt Z. Herpes encephalitis [letter]. *Lancet* 2003;361:260
15. Rumboldt Z, Beros V, Klanfar Z. Multiple cerebral aneurysms and dural arteriovenous fistula in polyarteritis nodosa. *J Neurosurg* 2003;98:434
16. Rumboldt Z, Kalousek M, Castillo M. Hyperacute subarachnoid hemorrhage visualized on T2-weighted images. *Am J Neuroradiol* 2003;24:472-5
17. Talan-Hranilovic J, Rumboldt T, Vucic M, Rumboldt Z, Beros V, Tonkovic V, Lupret V. Permanent inflammatory effect of n-butylcyanoacrylate on cerebral arterio-venous malformation – immunohistochemical analysis. *Interventional Neuroradiology* 2003;9:3-6
18. Rumboldt Z, Gnjidic Z, Talan-Hranilovic J, Vrkljan M. Intrasellar hemangioblastoma: characteristic prominent vessels on MR imaging. *Am J Roentgenol* 2003;180:1480-1
19. Rumboldt Z, Castillo M, Solander S. Bilateral congenital absence of the internal carotid artery: a rare incidental finding. *Eur Radiol* 2003;13 Suppl 4:L130-2 (published online as DOI: 10.1007/s00330-002-1742-2)
20. Rumboldt Z, Jednacak H, Talan-Hranilovic J, Kalousek V. Spinal epidural rhabdomyosarcoma. *Acta Neurochir (Wien)* 2004;146:195-7. Epub 2003 Dec 09
21. Marjan D, Rumboldt Z, Gotovac N, Sajko T. CT findings in head injury with captive bolt gun. *Am J Roentgenol* 2004;182:827-8
22. Spero M, Bedek D, Kalousek M, Hat J, Rumboldt Z, Stuparic N, Marotti M. The value of brain CT scan in emergency service: a retrospective analysis. *Acta Clin Croat* 2004; 43:75-87
23. Huzjan-Lovrencic A, Rumboldt Z, Marotti M, Demarin V. Subarachnoid hemorrhage headache from a developmental venous anomaly. *Cephalalgia* 2004;24:763-6
24. Aganovic L, Hoda RS, Rumboldt Z. Hyperintensity of spinal cryptococcus infection on diffusion-weighted MR images. *Am J Roentgenol* 2004; 183:1176-7

25. Smith D, Neal J, Rumboldt Z, Gillespie MB. Radiology quiz case 3. Retropharyngeal carotid artery. *Arch Otolaryngol Head Neck Surg* 2005; 131: 75, 78-9
26. Frey D, Rumboldt Z. Radiation effects from perfusion CT [letter]. *Radiology* 2005; 234: 638
27. Sajko T, Rumboldt Z, Talan-Hranilovic J, Radic I, Gnjidic Z. Primary intrasellar esthesioneuroblastoma. *Acta Neurochir (Wien)*. 2005; 147: 447-8
28. Rumboldt Z, Al-Okaili R, Deveikis J. Perfusion CT for head and neck tumors: pilot study. *Am J Neuroradiol* 2005; 26: 1178-85
29. Pavcec Z, Zokalj I, Rumboldt Z, Pal A, Saghir H, Ozretic D, Latin B, Perhoc Z, Marotti M. CT angiography in practice. *Lijec Vjesn* 2005; 127: 24-9
30. Auler M, Al-Okaili R, Rumboldt Z. Transient traumatic spinal venous hypertension. *Am J Neuroradiol* 2005; 26: 1655-8
31. Rumboldt Z, Moses C, Wiczerzynski U, Saini R. DWI, ADC, and FLAIR imaging in endophthalmitis. *Am J Neuroradiol* 2005; 26: 1869-72
32. Bilic M, Welsh CT, Rumboldt Z, Hoda RS. Disseminated primary diffuse leptomeningeal gliomatosis: a case report with liquid-based and conventional smear cytology. *CytoJournal* 2005; 2: 16 Available at: <http://www.cytojournal.com/content/2/1/16>.
33. Besenski N, Rumboldt Z, Emovon O, Nicholas J, Kini S, Milutinovic J, Budisavljevic M. Brain MR imaging abnormalities in kidney transplant recipients. *Am J Neuroradiol* 2005; 26: 2282-9
34. Rumboldt Z, Lambert L, Talan-Hranilovic J, Marjan D, Sajko T. Nonenhancing spinal subdural metastatic tumor. *Am J Neuroradiol* 2005; 26: 2406-9
35. Coffee RE, Nicholas JS, Egan BM, Rumboldt Z, D'Agostino S, Patel S. Arterial compression of the retro-olivary sulcus of the medulla in essential hypertension: a multivariate analysis. *J Hypertens* 2005; 23: 2027-31
36. Rumboldt Z, Camacho DLA, Lake D, Welsh TC, Castillo M. Apparent diffusion coefficients for differentiation of cerebellar tumors in children. *Am J Neuroradiol* 2006;27:1362-69
37. Rumboldt Z, Michel M, Day T. Imaging of oral cavity cancer. *Oral Oncology* 2006 Jun 22; [Epub ahead of print]
38. Knapp J, Olsen L, Bethard JR, Welsh CT, Rumboldt Z, Takacs I, Maria BL. A case of desmoplastic infantile ganglioglioma secreting ceruloplasmin. *J Child Neurology* (accepted)
39. Brem MH, Zamani AA, Riva R, Zou KH, Rumboldt Z, Hennig FF, Kikinis R, Norbash AM, Schoepf UJ. Multidetector-row CT of the paranasal sinus: potential for radiation dose reduction. *Radiology* (accepted)
40. Suhas P, Welsh CT, Patel S, Rumboldt Z. Idiopathic Hypertrophic Spinal Pachymeningitis (IHSP): Report of Two Cases with Typical MR Imaging Findings. *Am J Neuroradiol* (accepted)
41. Spampinato MV, Wooten C, Dorlon M, Besenski N, Rumboldt Z. Comparison of first-pass with second-bolus dynamic susceptibility perfusion MRI in brain tumors. *Neuroradiology* (accepted)

Other peer-reviewed publications

42. Daković M, Rumboldt Z (2002, Dec 13). Spinal intramedullary metastasis, {Online}. URL: <http://www.eurorad.org/case.cfm?UID=2036>
43. Spero M, Rumboldt Z (2003, Mar 16). Varicella-Zoster virus myelitis, {Online}. URL: <http://www.eurorad.org/case.cfm?UID=2218>
44. Kini S, Rumboldt Z. Cerebral and spinal hemangioblastomas in a patient with Von Hippel-Lindau (VHL) syndrome. ACR Case in Point. Monday, June 13, 2005. <http://caseinpoint.acr.org/>
45. Lake D, Rumboldt Z. Joubert syndrome. ACR Case in Point. Wednesday, December 7, 2005. <http://caseinpoint.acr.org/>
46. Romano P, Rumboldt Z. Medulloblastoma. ACR Case in Point. Tuesday, January 10, 2006. <http://caseinpoint.acr.org/>

Invited papers

47. Besenski N, Pavic M, Rados M, Lusic M, Rumboldt Z, Boric I. Neuroimaging in stroke. Acta Clin Croat 1999; 38 Suppl.1: 33-4
48. Rumboldt Z, Castillo M, Mukherji SK. FLAIR, HASTE, and magnetization transfer in clinical neuroradiology. Medical Imaging International 2001; 11:6-12
49. Hat J, Kalousek M, Bedek D, Rumboldt Z. [Modern radiological imaging of degenerative processes affecting cervical spine]. Medix 2002; 41/42:195-196 (in Croatian)
50. Kalousek M, Rumboldt Z. Neuroimaging (CT and MRI) in the diagnosis of stroke. Acta Clin Croat 2002; 41 Suppl.3: 33-4
51. Spero M, Kalousek M, Rumboldt Z, Hat J, Bedek D, Kalousek V. Cerebrovascular disease evaluation with MR imaging and MR angiography. Acta Clin Croat 2003; 42: 299-310
52. Rumboldt Z, Gordon L, Bonsall R, Ackermann S. Imaging in head and neck cancer. Curr Treat Options Oncol 2006;7:23-34
53. Rumboldt Z. Pituitary adenomas. Top Magn Reson Imaging 2005;16:277-88
54. Rumboldt Z. Degenerative disorders of the spine. Semin Ultrasound CT MR (in press)
55. Rumboldt Z, Thurnher M, Gupta RK. Imaging of CNS infections. Semin Ultrasound CT MR (in press)

Book chapters

1. Rumboldt Z, Marotti M. Magnetization transfer, HASTE, and FLAIR imaging. MRI Clinics N Am 2003; 11: 471-92

2. Rumboldt Z. [Neuroradiological Signs of Invasive Pituitary Adenoma]. In: Modern Surgical Treatment of Pituitary Tumors. Gnjidic Z, ed. Medicinska naklada, Zagreb, Croatia 2004; 51-64 (in Croatian)
3. Rumboldt Z, Mukherji SK, Castillo M. Disorders of the neck in children. In: Pediatric Neuroradiology, Tortori-Donati P, Rossi A, eds. 1st ed. Springer, Heidelberg, Germany 2005; 1419-60
4. Rumboldt Z, Kalousek M. [Radiological studies for evaluation of hypothalamo-pituitary disorders]. In: Pituitary tumors, Vizner B, ed. 1st ed. Medicinska naklada, Zagreb, Croatia 2005; 115-50 (in Croatian)
5. Rumboldt Z, Castillo M, Smith JK. Spine. In: Computed Body Tomography with MRI Correlation. Lee JKT, Sagel SS, Stanley RJ, Heiken JP, eds. 4th ed. Lippincott-Raven, Philadelphia PA 2006; 1661-1726
6. Rumboldt Z. Pituitary Lesions. In: Neuroradiology III ACR Syllabus. Castillo M, ed. American College of Radiology (in press)
7. Rumboldt Z. Brain lesions in AIDS. In: Neuroradiology III ACR Syllabus. Castillo M, ed. American College of Radiology (in press)
8. Rumboldt Z. Intracranial hemorrhages. In: Neuroradiology III ACR Syllabus. Castillo M, ed. American College of Radiology (in press)

Abstracts and posters

1. Rumboldt Z, Bagatin J, Rumboldt Z. Low-dosed chlorthalidone induces minimal biochemical changes in hypertensives. Book of Abstracts: International Atherosclerosis Congress, Vienna, Austria; 1989: p. 47 (267)
2. Terzic J, Mack K, Rumboldt Z, McBride D, Shapiro J, Rowe D, Clark S. Collagen transgene statement in an osteogenesis imperfecta mouse. Annual meeting of American Society for Gravitation and Space Biology, Washington, D.C., 1993
3. Besenski N, Pavic D, Rados M, Lusic M, Boric I, Rumboldt Z. Ischemic stroke: From Diagnosis to Treatment. Book of Abstracts: First Congress of Radiology of Bosnia & Herzegovina, Sarajevo, Bosnia & Herzegovina; 1999: 28-40
4. Besenski N, Cikes N, Rumboldt Z, Rados M, et al. Brain MRI in the evaluation of Mb Sjoergen, SLE and other systemic diseases. XXVIII Annual Meeting of the Radiologists of Alpe-Adria Region, Graz, Austria, November 12,13 1999
5. Krolo I, Marotti M, Babic N, Klaric-Custovic R, Rumboldt Z. Optimized MRI evaluation of adrenal masses. In: Book of Abstracts: Twelfth European Congress of Radiology, Vienna, Austria; 2000: p. 364 (7-058)
6. Marotti M, Rumboldt Z, Klaric R, Krolo I, Babic N. MRI of pancreatic masses: time and cost reducing approach. In: Book of Abstracts: Twelfth European Congress of Radiology, Vienna, Austria; 2000: p. 327 (1-124)

7. Rumboldt Z, Kalousek M. 3D FISP MR in the detection of perisellar and cranial nerve lesions. In: Book of Abstracts: Twelfth European Congress of Radiology, Vienna, Austria; 2000: p. 414 (11-071)
8. Besenski N, Cikes N, Rumboldt Z, Boric I, Pavic D, Rados M, Lusic M. Brain MR in evaluation of SLE and other systemic connective tissue diseases. In: Book of Abstracts: Thirteenth European Congress of Radiology, Vienna, Austria; March 2001 (B-0427)
9. Marotti M, Krolo I, Klaric-Custovic R, Rumboldt Z, Babic N, Prpic-Lovrencic G. Breathold techniques and MRCP in the diagnosis of pancreatic masses. In: Book of Abstracts: 22nd International Congress of Radiology, Cancun, Mexico; 2002: p. 39 (D-43)
10. Rumboldt Z, Klanfar Z, Tonkovic V, Kalousek M, Hat J. Direct comparison of MRA and DSA in evaluation of cerebral aneurysms. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 269
11. Rumboldt Z, Hat J, Lovrencic-Prpic G, Kalousek M. Pterygopalatine fossa: MR imaging anatomy. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 271
12. Hat J, Rumboldt Z, Kalousek M, Bedek D. Possibilities of MR 3D FISP sequence in inner ear analysis. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 87
13. Tonkovic V, Rumboldt Z, Klanfar Z, Kalousek M, Ilej M, Beros V, Lupret V. Embolisation of intracranial aneurysms with mechanically detachable platinum coils and AVMs with polymerizing glue. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 329
14. Kalousek M, Rumboldt Z, Hat J, Bedek D, Marotti M, Margetic P, Huzjan A, Demarin V. MR 1.0 T in cerebrovascular disease (correlation of colour Doppler, CT, and MRI findings). In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 127
15. Klanfar Z, Tonkovic V, Rumboldt Z, Kalousek M, Ilej M, Beros V, Lupret V. CNS radiological interventions – endovascular embolization in treatment of cerebral aneurysms and AVMs. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 131
16. Hat J, Cvitanovic L, Mucic B, Kalousek M, Bedek D, Rumboldt Z, Besenski N. Cortical dysplasia and childhood epilepsy - clinical-radiological correlation. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 89
17. Lovrencic-Prpic G, Hat J, Rumboldt Z, Bedek D, Kalousek M. Routes of nasopharyngeal tumor spread. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 149
18. Bedek D, Spero M, Kalousek M, Hat J, Rumboldt Z, Stuparic N, Marotti M. CT brain scanning in emergency unit: retrospective analysis of 1154 cases. In: Book of Abstracts: Third Congress of Croatian Society of Radiology, Split, Croatia; 2002: p. 19
19. Cvitanovic-Sojat L, Mucic-Prpic B, Hat J, Rumboldt Z, Kalousek M, Bedek D, Besenski N, Sabol Z, Sepic-Grahovac D, Hajnzic TF, Mataija M, Sojat T. Epilepsy and clinical syndromes of malformations of cortical development in the paediatric population. *Epilepsia* 2002; 43 Suppl.8: 194

20. Gnjidic Z, Malenica M, Sajko T, Talan-Hranilovic J, Rumboldt Z. Transsphenoidal approach to tumors invading the medial part of the cavernous sinus. In: Book of Abstracts: Tenth Meeting of the European Neuroendocrine Association, Munich, Germany; 2002: p. 59 (PA-24)
21. Lovrencic-Huzjan A, Rumboldt Z, Vukovic V, Demarin V. Subarachnoidal hemorrhage from a venous angioma. In: Cerebrovasc Dis 2003; 16 (suppl 4): 50 (P 213) - Twelfth European Stroke Conference, Valencia, Spain
22. Ilic D, Milas L, Rumboldt Z. Double internal auditory canal - case report. Fifth Hungarian-Slovenian-Croatian radiological symposium, Koprivnica, Croatia, 2003.
23. Spero M, Kalousek M, Rumboldt Z, Hat J, Bedek D, Kalousek V. Cerebrovascular disease evaluation with magnetic resonance imaging and magnetic resonance angiography. Fifth Hungarian-Slovenian-Croatian radiological symposium, Koprivnica, Croatia, 2003.
24. Rumboldt Z, Marjan D, Talan-Hranilovic J, Sajko T. Spinal subdural metastatic tumor without contrast enhancement on MRI. In: Book of Abstracts: ASSR Spine Symposium, Miami Beach, Florida; 2004: p. 166 (Excerpta 406)
25. Rumboldt Z, Aganovic L, Hoda RS. Hyperintensity of Spinal Cryptococcus Infection on DWI. In: Book of Abstracts: ASSR Spine Symposium, Miami Beach, Florida; 2004: p. 167 (Excerpta 407)
26. Rumboldt Z. CT Perfusion for Head and Neck Cancer. Head and Neck Interdisciplinary Research Workshop, Medical University of South Carolina, Charleston, SC, April 22, 2004
27. Viskovic K, Rumboldt Z, Vavro H. Endolymphatic sac tumor-case report. Sixth Hungarian-Croatian-Slovenian Radiological Symposium, Heviz, Hungary, May 13-15 2004
28. Rumboldt Z, Al-Okaili R, Roberts D, Deveikis J. CT Perfusion in Head and Neck Cancer: a Pilot Study. In: 2004 Proceedings: American Society of Neuroradiology 42nd Annual Meeting, Seattle, WA; 2004: p. 54 (Paper 72)
29. Auler M, Al-Okaili R, Rumboldt Z. Transient traumatic spinal venous hypertension. In: 2004 Proceedings: American Society of Neuroradiology 42nd Annual Meeting, Seattle, WA; 2004: p. 177 (Paper 235)
30. Phillips D, Hamner L, Finlayson A, Rumboldt Z. Optimization of T1-weighted brain imaging on 3T MR system. In: 2004 Proceedings: American Society of Neuroradiology 42nd Annual Meeting, Seattle, WA; 2004: p. 296-7 (Poster 11)
31. Kini S, Besenski N, Rumboldt Z, Budisavljevic M, Emovon O. Brain MR Abnormalities in Renal Transplant Patients. In: 2004 Proceedings: American Society of Neuroradiology 42nd Annual Meeting, Seattle, WA; 2004: p. 327 (Poster 66)
32. Auler M, Rumboldt Z. The prevalence of radiological errors in leading ENT journals. RSNA 2004, Chicago, IL; 2004: p. 583 (Scientific Paper SSM 15-03)
33. Moses C, Seekins J, Cluver A, Rumboldt Z, Besenski N. Primary Diffuse Leptomeningeal Gliomatosis – PDLG. In: Book of Abstracts: ASSR Annual Spine Symposium, San Juan, Puerto Rico; 2005: p. 447-8
34. Cluver A, Smith T, Seekins J, Moses C, Besenski N, Rumboldt Z. Massive Osteolytic Pseudogout of the Ligamentum Flavum. In: Book of Abstracts: ASSR Annual Spine Symposium, San Juan, Puerto Rico; 2005: p. 445-6

35. Rumboldt Z, Welsh CT, Pai S. Idiopathic Spinal Hypertrophic Pachymeningitis: Two Cases. In: Book of Abstracts: ASSR Annual Spine Symposium, San Juan, Puerto Rico; 2005: p. 443
36. Kulbersh JS, Neal JG, Rumboldt Z, Richardson MS, Patel SJ, Cook JW, Gillespie MB, Schlosser RJ, Stuart RK, Sharma AK, Day TA. Cutaneous malignancies of the head and neck with perineural invasion presenting with multiple cranial neuropathies. Triologic Society Southern Section Annual Meeting, Miami, FL, January 10-13, 2005
37. Day TA, Beas R, Davis BK, Gillespie MB, Ross AT, Hornig J, Schnellman J, Lipsitz S, O'Neill PJ, Rumboldt Z, Martin-Harris B, Christensen A. Experience with Three Dimensional Modeling in Head and Neck Reconstruction. In: Book of Abstracts: Advanced Digital Technology in Head and Neck Reconstruction, Fairmont Banff Springs Hotel, Alberta, Canada; 2005: p. 44
38. Lake DR, Welsh CT, Rumboldt Z. Apparent Diffusion Coefficient for Differentiation of Pediatric Cerebellar Tumors. In: Abstract Book: American Roentgen Ray Society 105th Annual Meeting, New Orleans, LA; 2005: page 5-6 (Abstract 018)
39. Rumboldt Z, Bohning D, Besenski N, Vincent D, Nicholas J. Fractional Anisotropy on a 3T System: Feasibility Study. In: 2005 Proceedings: American Society of Neuroradiology 43rd Annual Meeting, Toronto, ON, Canada; 2005: page 113-4 (paper 220)
40. Bourgeois D, Welsh CT, Rumboldt Z. Metastatic Desmoplastic Infantile Ganglioglioma. In: 2005 Proceedings: American Society of Neuroradiology 43rd Annual Meeting, Toronto, ON, Canada; 2005: page 268-9 (paper 487)
41. Camacho D, Lake DR, Castillo M, Rumboldt Z. Utility of ADC in differentiating posterior fossa tumors in children. In: 2005 Proceedings: American Society of Neuroradiology 43rd Annual Meeting, Toronto, ON, Canada; 2005: page 242-3 (paper 443)
42. Besenski N, Rumboldt Z, Nicholas J, Harkey P, Sachin S, Budisavljevic M. Brain MR imaging findings in liver transplant recipients. In: 2005 Proceedings: American Society of Neuroradiology 43rd Annual Meeting, Toronto, ON, Canada; 2005: page 296 (poster 22)
43. Rumboldt Z, Wooten C, Dorlon M, Besenski N. Comparison of first-pass with second-bolus dynamic susceptibility perfusion MRI in brain tumors. In: Neuroradiology 2005; 47 Suppl.1:S78-9. European Society of Neuroradiology (ESNR) 34th Annual Meeting, Barcelona, Spain; 2005 (paper O92)
44. Sosnouski DS, Rumboldt Z, VanBakel A, Pereira NL, Walton ZJ, Besenski N. Brain MR abnormalities in cardiac transplant recipients. In: Neuroradiology 2005; 47 Suppl.1:S122. European Society of Neuroradiology (ESNR) 34th Annual Meeting, Barcelona, Spain; 2005 (poster P81)
45. Rumboldt Z, Scarlett L, Vroman D. Utility of FLAIR images, DWI, and ADC mapping in evaluation of endophthalmitis. In: Book of Abstracts: American Society of Head and Neck Radiology 39th Meeting, San Francisco, CA; 2005: page 92 (paper 11)
46. Rumboldt Z, Walton Z, Maria B. Loss of decussation of superior cerebellar peduncles on midsagittal T1-weighted image in children with Joubert's syndrome. Radiological Society of North America (RSNA) 2005, Chicago IL; 2005: SSQ-15-03 (page 522 in Book of Abstracts)
47. Bonsall R, Sosnouski D, Deveikis S, Deveikis J, Rumboldt Z. Does intravenous gadolinium help with 3D Time-of-Flight MR angiography in the surveillance of patients who have undergone endovascular coiling of intracranial aneurysms? RSNA 2006 (accepted)

Master of Science Thesis

Rumboldt Z. Optimized magnetic resonance imaging of the cranio-cervical junction. University of Zagreb School of Medicine, 2002. Defended December 6, 2002.

Proposed Ph.D. Thesis

Rumboldt Z. Magnetic resonance in evaluation of cerebral aneurysms. University of Zagreb School of Medicine, February 2003.

Reviewer

American Journal of Neuroradiology – from 2003

Neurology India – from 2003

American Journal of Roentgenology – from 2004

Reviewer for the CT-Head content in the Neuroradiology section on the RSNA/ACR Patient Education Web Site – from 2004

Radiology – from 2005

Book reviews

Rumboldt Z. Atlas of neuroradiologic embryology, anatomy, and variants. Jinkins JR. Lippincott Williams & Wilkins, Philadelphia, PA, 2000. Acad Radiol 2002;9:352

Rumboldt Z. MRI of the spine. Ross JS. Lippincott Williams & Wilkins, Philadelphia, PA, 2000. Acad Radiol 2002;9:352-3

Teaching Responsibilities

Lectures on Basic MR Sequences and Functional MRI: Postgraduate studies in Biomedical Sciences at University of Zagreb Medical School, Zagreb, Croatia 2000

Conferences for radiology residents on MR physics and neuroradiology at UNC, Chapel Hill, NC, USA 2000-2001

Head & Neck Tumor Board weekly conferences at University of North Carolina, Chapel Hill, NC, USA 2001

Neuropathology weekly conferences at University of North Carolina, Chapel Hill, NC, USA 2000-2001

University of Zagreb School of Dentistry – student lectures in Radiology, Zagreb, Croatia 2001-2002, 2002-2003

Conferences for radiology residents at “Sisters of Mercy” University Hospital, Zagreb, Croatia, 2001-2003

Postgraduate study in Radiology at University of Zagreb –talks on MR Physics and MRI Sequences, Zagreb, Croatia 2001

Pituitary Tumor Board weekly conferences at “Sisters of Mercy” University Hospital, Zagreb, Croatia, 2001-2003

Neuropathology weekly conferences at “Sisters of Mercy” University Hospital, Zagreb, Croatia, 2001-2003

Head & Neck Tumor Board weekly conferences at “Sisters of Mercy” University Hospital, Zagreb, Croatia, 2001-2003

Neurosurgery Neurovascular weekly conferences at “Sisters of Mercy” University Hospital, Zagreb, Croatia, 2001-2003

University of Zagreb School of Medicine – Radiology seminars for students, Zagreb, Croatia 2002

Lectures on Basic MR Sequences, Diffusion MRI, Perfusion MRI, MR Spectroscopy, and Functional MRI: Postgraduate studies in Biomedical Sciences at University of Zagreb Medical School, Zagreb, Croatia 2002

Conferences for Radiology residents on neuroradiology, Medical University of South Carolina, Charleston, SC, 2003 -

Brain & Spine Tumor Board weekly conferences at Medical University of South Carolina, Charleston, SC, August 2003 –

Head & Neck Tumor Board weekly conferences at Medical University of South Carolina, Charleston, SC, August 2003 –

Spine weekly conferences at Medical University of South Carolina, Charleston, SC, September 2003 – 2004

Radiological Anatomy of the Head and Neck: talk for 1st Year Medical Students (Anatomy Course), Medical University of South Carolina, Charleston, SC, December 10, 2003; July 6, 2004; July 7, 2005; December 6, 2005; July 5, 2006

Pediatric Tumor Board weekly conferences at Medical University of South Carolina, Charleston, SC, April 2004 –

Radiology of the Head and Neck: monthly seminars for 4th Year Medical Students (Radiology Course), Medical University of South Carolina, Charleston, SC, 2004-

Board Review sessions with senior radiology residents, MUSC 2004 -

Mock Boards Examiner in Neuroradiology for senior residents, MUSC 2004 -

Basics of Neuroimaging: talk for Physician Assistant Students, Medical University of South Carolina, Charleston, SC, January 19, 2005

Fetal Board monthly conferences at Medical University of South Carolina, Charleston, SC, September 2005 –

Brain Anatomy on Neuroimaging: talk for 1st Year Medical Students (Neuroscience Course), Medical University of South Carolina, Charleston, SC, February 9, 2005

Basics of Brain Imaging: talk for Psychiatry residents, Medical University of South Carolina, Charleston, SC, September 2, 2005

Temporal Bone Imaging: talk for ENT residents, Medical University of South Carolina, Charleston, SC, October 11, 2005

Clinical Uses of Brain Imaging: talk for 1st Year Medical Students (Neuroscience Course), Medical University of South Carolina, Charleston, SC, February 2, 2006

Talks and Presentations

Croatian Radiological Society Symposium on Algorithms in Neuroradiology – talk on the skull base pathology at “Medicine and Technology”, Zagreb, Croatia, May 1999

Rumboldt Z, Besenski N, Rados M, Pavic D, Lusic M, Boric I. Sturge-Weber syndrome. “Cases of the day” – invited by the organizers, European Congress of Radiology, Vienna, Austria, March 2000

Kalousek M, Rumboldt Z. Modern radiological evaluation of lumbar intervertebral disks. Third Course on Spinal Surgery at “Medicine and Technology”, Zagreb, Croatia, May 2000

Spine MRI – talk, UNC Pain Management Lecture Series, Chapel Hill, NC, USA August 20, 2001

Rumboldt Z, Klanfar Z, Kalousek M. Direct comparison of MRA and DSA in diagnosis of cerebral aneurysms – preliminary data: talk at International Postgraduate Course “Healthy Lifestyle and Prevention of Stroke”, Dubrovnik, Croatia, May 2002

Neurointerventional Procedures - invited talk, County Hospital, Bjelovar, Croatia, November 18, 2002

Croatian Radiological Society invited monthly lectures, Zagreb, Croatia, November 2002:

- Rumboldt Z, Klanfar Z, Tonkovic Z, Kalousek M. Neurointerventional Intracranial Techniques
- Klanfar Z, Tonkovic V, Rumboldt Z, Kalousek M. Value of Cerebral Aneurysm Embolization Procedures
- Tonkovic V, Rumboldt Z, Klanfar Z, Kalousek M. Preliminary Results in Cerebral Aneurysm Embolization with Mechanically Detachable Coils

Neuroradiological Diagnosis and Treatment of Intracranial Aneurysms - talk, “Sisters of Mercy” University Hospital, Croatia, March 11, 2003

Subarachnoid Hemorrhage and Neurointerventional Procedures - invited talk, County Hospital, Čakovec, Croatia, April 29, 2003

Advanced Techniques in Neuroradiology - invited talk, University Department of Pathology “Ljudevit Jurak”, Zagreb, Croatia, May 7, 2003

Neuroimaging for the Primary Care Provider - talk at Third Annual Pediatric Neuroscience Update, Kiawah Island, SC, April 2, 2004

MR Imaging Sequences and Protocols in Neuroradiology - talk

Pituitary Imaging - talk

Head and Neck MR Imaging (Accent on Cancer) - talk

Selected Topics in Spine Imaging - talk

Moderator and Panel Discussion on "Hot Topics": Musculoskeletal and Neuroradiological MR Imaging, Hilton Head Island, SC, May 16-19, 2004

Review of Temporal Bone Imaging - talk at Fourth Annual Charleston Magnolia Conference, Charleston, SC, June 3-5, 2004

Neuroradiological Signs of Invasive Pituitary Adenoma – invited talk
Session moderator. International Symposium "Modern Surgical Treatment of Pituitary Tumors", Zagreb, Croatia, October 1, 2004

New Technologies in Imaging of Brain Tumors - talk at Neuro-Oncology Update, Charleston, SC, October 30, 2004

Imaging of Neurovascular Disease: CT and MRI of Ischemic Infarct – talk at First Annual Vascular Disease Conference for Primary Care Provider: Neuro Vascular Intervention, N. Charleston, SC January 8, 2005

MR Imaging of Brain Tumors - talk for Radiation Oncology Department, Medical University of South Carolina, Charleston, SC, March 23, 2005

Neuroimaging for the Primary Care Provider - talk at Fourth Annual Pediatric Neuroscience Update, Kiawah Island, SC, April 15-17, 2005

Imaging of Head and Neck Cancer - talk at Fifth Annual Charleston Magnolia Conference, Charleston, SC, June 2-6, 2005

Case-based Review of Neuroradiology: Talk on Adult Spine. Radiological Society of North America (RSNA) 2005, Chicago, IL, November 28, 2005:

Moderator for Scientific Session Neuroradiology/Head and Neck – Movement Disorders. Radiological Society of North America (RSNA) 2005, Chicago, IL, November 28, 2005

Pituitary Imaging - talk at Endocrinology Grand Rounds, Medical University of South Carolina, Charleston, SC, March 9, 2006

CTA and MRA of Carotid and Cerebral Arteries - talk at The Charleston Course on Cardiovascular Imaging at the Sanctuary, Charleston, SC, March 20-22, 2006

Neuroimaging of Congenital Disorders - talk at Fifth Annual Pediatric Neuroscience Update, Kiawah Island, SC, March 31-April 1, 2005

Neuroimaging: What are the different types of tests/What to order - Discussion Table at Fifth Annual Pediatric Neuroscience Update, Kiawah Island, SC, March 31-April 1, 2005

Moderator for Scientific Session: Evaluation of Spinal Conditions. American Society of Neuroradiology 44nd Annual Meeting, San Diego, CA, May 1, 2006

CNS Infection and Inflammation - Approach to Diagnosis: Case Based Imaging Review, Neuroradiology. American Roentgen Ray Society 106th Annual Meeting, Vancouver, BC, Canada, May 3, 2006

Pituitary Imaging Update – Instructional Course talk. American Roentgen Ray Society 106th Annual Meeting, Vancouver, BC, Canada, May 4, 2006

Moderator for Scientific Session: Neuroradiology: Head and Neck, Brain White Matter Imaging. American Roentgen Ray Society 106th Annual Meeting, Vancouver, BC, Canada, May 4, 2006

Imaging of the Temporal Bone – talk at Sixth Annual Charleston Magnolia Conference, Charleston, SC, June 2, 2006

Projects and Grants

Principal Investigator on Diffusion Tensor Imaging on a 3T MR System – Feasibility Study (HR #11244, MUSC)

Principal Investigator on CT Perfusion in Head and Neck Cancer (HR #11336, MUSC)

Principal Investigator on ADC for differentiation of pediatric cerebellar tumors (HR # 781, MUSC)

Co-Investigator on Computed Tomography Perfusion in Patients with Head Trauma (PI: N. Besenski) (HR # 11243, MUSC)

Co-Investigator on The Effects of Statin Pre-Treatment on Infarct Volume and Clinical Outcome in Ischemic Stroke (Pfizer tracking number 2004-0361)

Co-Investigator on Phase II, Randomized, Open-Label, Efficacy and Safety Study of Intravenous Edotecarin and a Calibration Arm of Either Temozolomide or Carmustine (BCNU) in Patients with Refractory/Recurrent Glioblastoma Multiforme (GBM)

Croatian Ministry of Science and Technology
Investigator number 253646

Consultant on Croatian Ministry of Science and Technology Grant
- MRA for evaluation of intracranial vascular malformations (PI: M. Kalousek)

Co-author and consultant on project proposals for 2002 Croatian Ministry of Science and Technology Grants:

- Clinical and molecular indicators of pituitary adenoma invasiveness (PI: Ž. Gnjiđić)
- The reliability of functional MR imaging in diagnostic work up of brain tumors (PI: N. Bešenski)
- MR, US, and CT evaluation of tumor, inflammation and traumatic lesions (Nonstandard MR sequences and protocols for evaluation of suspected neoplasms) (PI: M. Marotti)

Consultant on NIH funded project

- Longitudinal study of brain development in developmentally and nondevelopmentally disordered populations (PI: J. Piven)

Awards

First prize: Gnjiđić Z, Malenica M, Sajko T, Talan-Hranilović J, Rumboldt Z. Transsphenoidal approach to tumors invading the medial part of the cavernous sinus. Poster at the Tenth Meeting of the European Neuroendocrine Association, Munich, Germany, September 12-14, 2002

Golden Apple Award by radiology residents at Medical University of South Carolina, Charleston, SC for continued excellence in contributing to their education, academic year 2004-2005

Administrative Positions

Vice-president of Croatian Junior Radiologists' Forum 1997-2000

ESDIR (European Seminars on Diagnostic and Interventional Radiology): Emergency Radiology, Zagreb, Croatia, June 4-6, 1998 –local committee member

Royal College of Radiologists International Team Teaching: Zagreb, Croatia, June 21-25, 2000 – organizing committee member

Research oversight committee member, Department of Radiology, Medical University of South Carolina, 2004 –

Academic RVU committee member, Department of Radiology, Medical University of South Carolina, 2004 –

Center for Advanced Imaging Research (CAIR) chairperson search committee member, Department of Radiology, Medical University of South Carolina, 2005

Resident selection committee, Department of Radiology, Medical University of South Carolina, 2005 –

Membership

European Association of Radiology since 1997

Radiological Society of North America since 1999

American Society of Neuroradiology since 2001

European Society of Head and Neck Radiology since 2001

American Society of Spine Radiology since 2004

American College of Radiology since 2004

American Roentgen Ray Society since 2005

South Carolina Medical Association since 2005

Appearances in the media

Interview for “Slobodna Dalmacija” (one of the major daily newspapers in Croatia) as a field doctor during the war in Croatia in 1991

Number of interviews as a field doctor during the war in Croatia for different television networks, including CNN in 1991

Appearance as the main character in a British TV documentary film on war in Croatia (Insight News TV for BBC, 1991)

Interview for HTV (Croatian National Television) – program on mobile phones and health hazards (February 1999)

Interview for “Jutarnji list” (a major Croatian daily paper) on Interventional Neuroradiology (February 2002)

Documentary program on neuroradiological interventional procedures on HTV (Croatian National Television) – April 2003

Diagnostic Imaging: Radiology slowly rebuilds in Balkan countries – special edition 2003