



Curriculum Vitae

Personal information

Surname(s) / First name(s) **Chiorean Rita Angelica**
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E-mail(s) chiorean_angi@yahoo.com
Nationality(-ies) romanian
Date of birth March, 7, 1969

Workplace / Occupational field:

University of Medicine and Pharmacy Iuliu Hatieganu / Medicine – Radiology

Work experience

Dates	2000-Present	1995-1999	2005-Present
Occupation or position held:	Associated professor/Consultant Radiologist	Radiology Resident	Consultant Radiologist on Women Imaging issues at 5 private medical facilities
Main activities and responsibilities:	Teaching Radiology to medical students and residents Lector in several post-graduate formation courses Scientific activities involving grant and papers writing, posters and presentations Clinical work –ER Adult Clinical County Hospital-Radiology Clinic	ER Adul Clinical County Hospital, Cluj Napoca – Radiology Clinic	Clinical work: breast imaging, ultrasound elastography, ultrasound guided biopsies, mammographic stereotaxies
Name and address of employer:	University of Medicine and Pharmacy, Iuliu Hatieganu	8 Victor Babes Street, Cluj Napoca, 400069	
Type of business or sector activity:	Medical-Diagnostic Radiology		
Education:	Secondary Superior Superior	1983 – 1987 1988 - 1994 1996 - 2001	Mihai Eminescu National College, Satu-Mare UMF Iuliu Hatieganu - Faculty of Medicine UMF Iuliu Hatieganu – Faculty of Stomatology
Post-graduate formation and development	1995-1999 Residency in Radiology – Medical Imaging, Radiology Clinic, ER Adult Clinical County Hospital of Cluj Napoca, Romania 2000-2007 Assistant professor, Radiology Department, UMF Iuliu Hatieganu 2007-Present Associated professor, radiology department, UMF Iuliu Hatieganu 2007-Doctor in Medical Sciences, Cum laudae distinction		

Special trainings and formation courses:

- 15.05.2009, EUROSON School – Contrast Enhanced Ultrasound, Bucuresti, Romania.
- 24-25.04.2009, Training course in MRI neuroimaging –, Budapesta.
- 31.05.2008, Postgraduate course on breast ultrasound – Up to date, EUROSON 2008, The XXth Congress of European Federation of Societies for Ultrasound in Medicine and Biology, Timisoara, Romania.
- 6.03.2008 – EUSOBI, European Society of Breast Imaging, Viena, Austria.
- 27.10.2007 – “Breast MRI International Course”, Florența, Italia.
- 16-31.07.2007 – Radiology Special Training, Centre Henri Becquerel, Rouen, France
- 31.05.-01.06.2007 – “Euroson School – Guidelines in Gastroenterological Ultrasound”, Craiova, Romania.
- 28.09.2006 – International Course of Thorax non-invasive Imaging Techniques UMF “Gr.T.Popa”, Iasi, Romania
- 24-28.06.2006 – MRI Workshop– ISMRM, Berkley SUA and UMF “Carol Davila” Bucuresti, Poiana Brasov, Romania.
- 23.01.-21.04.2006 – MRI general and special courses, Fundeni Clinical Institute, Radiology Clinic, Bucharest, Romania.
- 28-30.04.2005 - Teaching Course in Mammography - The advanced diagnostic with screening, Mammography Education Inc., Arizona, USA, Milano, Italia.
- 19-21.10.2004 - Quality Assurance Training in Mammography Imaging, American International Health Alliance – AIHA, Sinaia, Romania.
- 19-20.09.2004 - Euroson School Breast Ultrasound, UMF Craiova, Craiova, Romania.
- 21-23.04.2004 - Technical developments, image quality, radiation dose and quality control in mammography, American International Health Alliance – AIHA, Bucuresti, Romania.
- 1.10.-30.12.2003 – Computer tomography general and special courses, Fundeni Clinical Institute, Radiology Clinic, Bucharest, Romania.
- 13.06.- 26.09.2003 - Radiology Special Training, Centre Henri Becquerel, Rouen, France
- **30.09.-31.10.2002 - Special training Course in Mammography and Diagnostic Breast Procedures, Enhanced Breast Cancer Screening, University of Louisville School of Medicine, James Graham Brown Cancer Center si Norton Hospital, Louisville, Kentucky, USA.**
- **01.04-28.05.2002 - Clinical Visiting Fellowship in Diagnostic Ultrasound, Department of Radiology, Thomas Jefferson University Hospital, Philadelphia, USA.**
- **23-27.04.2002 - Principles of Ob / Gyn Ultrasound, Department of Radiology, Thomas Jefferson University Hospital, Philadelphia, USA.**
- **17-19.04.2002 - Vascular Imaging and Doppler, Department of Radiology, Thomas Jefferson University Hospital, Philadelphia, USA.**
- **8-9.04.2002 - Prostate ultrasound, Department of Radiology, Thomas Jefferson University Hospital, Philadelphia, USA.**
- 11-14.12.2001 - 13th Euroson International Breast Ultrasound School Seminar - International Breast Ultrasound School IBUS, Edinbourg, UK.
- 12-16.03.2001 – Vascular Ultrasonography general and special courses, UMF "Iuliu Hatieganu", Cluj-Napoca, Romania.
- 27.05-2.06. 2000 - Imaging and Spectroscopic MRI, 6th International Workshop, romanian Cultural Institute, UMF “Carol Davila” Bucuresti, SRIMR, Sinaia, Romania.
- 01.03.-01.06.1999 – Ultrasound general and special courses, UMF, “Iuliu Hatieganu, Cluj-Napoca, Romania.
- 11-13.12.1997 - 3rd Course - European Magnetic Resonance Permanent School, ESMRMB, Praga, Cehia.
- 2-3.07.1996 - First Annual Bracco Refresher Course in Radiology, UMF Mures, Targu-Mures, Romania.
- 5-10.05.1996 - International Workshop on MRI and Localised Spectroscopy-Cours Intensif, Fundatia Culturala Romana, Brasov, Romania.
- 6-7.10.1995 - 4th Refresher Course on Musculoskeletal Radiology, SRIMR, Pitesti, Romania.

Academic development-teaching courses:

2005-2013: Breast Imaging course coordinator and lector, Ultrasonography Formation Center, UMF Iuliu Hatieganu, Cluj Napoca

2002-2011: General and vascular ultrasonography courses and practical trainings, lector and clinical instructor, Ultrasonography Formation Center, UMF Iuliu Hatieganu, Cluj Napoca

2009-2013: Computer tomography general and special courses, lector, Radiology Department, UMF Iuliu Hatieganu

Invited speaker:

2004-2013

1. Ultrasonography progress, CEUS, elastography, echoendoscopy. Endorsed Course, Oradea, 2013
2. Breast ultrasound elastography: Today's pros and cons arguments. The IXth Balkan Congress of Radiology. Cluj-Napoca, 2011
3. 1ères Rencontres de la Fédération Française d'Ultrasons, Elastography of breast cystic lesions: impact on BI-RADS classification. Paris, 2010
4. 3D/4D Ultrasonography in breast pathology. 3D/4D Ultrasonography versus 2D ultrasonography in contemporary medicine. VISUS, International Academy of Medical Ultrasound, course coordinator: Prof. Dr. Florin Stamatian, 2006-2009, Cluj-Napoca, Romania.
5. Sonoelastographic appearance of cystic breast lesions. The 21 st Meeting of Japan Association of Breast and Thyroid Sonology (JABTS 21), New wave of Breast and Thyroid Sonology; Osaka, Japan, 2008
6. Ultrasound assessment of breast lesions: a pictorial essay with mammographic and MRI correlations The XXth Congress of European Federation of Societies for Ultrasound in Medicine and Biology, Timisoara, Romania, 2008
7. Short analysis on elastographic images of benign and malignant breast lesions based on color and hue parameters, Timisoara, 2008,
8. Imaging correlations in breast diagnosis : special focus on ultrasound through clinical cases". The XXth Congress of European Federation of Societies for Ultrasound in Medicine and Biology, Timisoara, Romania, 31.05.2008
9. 2d&3D breast ultrasonography. Medison-Danson-ARSUS, Formation Seminar, Cluj-Napoca, Romania, 2007
10. Mammographic, ultrasound and MRI appearances of breast in situ ductal carcinoma. 6-me Congres Francophone d'Imagerie Médicale des Pays de l'Europe Centrale et Orientale, Iasi, Romania 2006
11. "Aportul ultrasonografiei in cancerul mamar", Curs postuniversitar desfasurat la A V-a Conferinta Nationala de Oncologie Medicala, Sinaia 2006.
12. Film-cassettes – Procedures for the control of film-cassette, Quality Assurance in Mammography - Training for Radiologists and Radio-Technicians. AIHA, USAID, The Susan G. Komen Breast Cancer Foundation, Cluj-Napoca, Romania 2005.
13. "Ultrasound in differentiation between benign and malignant solid breast lesions". Zilele Institutului Oncologic Cluj. Cluj-Napoca, Romania, 2004.
14. "Ultrasound in differentiation between benign and malignant solid lesions". Curs European de Ultrasonografie Mamara, Euroson School Breast Ultrasound. Craiova, Romania, 2004

Personal skills and competences

Other language(s)

Self-assessment

European level (7)

english

french

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
B2	B2	B2	B2	B2

(7) Common European Framework of Reference (CEF) level

Computer skills and competences

Microsoft Office

Professional competences

Breast Imaging Competence –2003
 Computer Tomography Competence –2004
 Ultrasonography Competence –2000

Additional information

Grant participation: 7

1. Tesuturi compozite hibride obtinute prin inginerie tisulara si celule stem cu aplicatie in medicina regenerativa- **STEMREG; Parteneriate nr. 3.1-0700, 2012**, Conf. Dr. George Dindelegan, **membru în colectivul de cercetare**.
2. Angioultrasonografia tridimensionala nativa si elastografia in diagnosticul pozitiv, diferential si urmarirea pacientelor cu tumori mamare, **CNCSIS cod 1409, nr. 44/17.05.2006**, director de proiect, Sorin M Dudea, **membru în colectivul de cercetare** al Universității de Medicină și Farmacie “Iuliu Hațieganu” Cluj, grant finantat, in curs de derulare 2006-2008.
3. Studiul calitativ si cantitativ al elastografiei ultrasonore si angioultrasonografiei tridimensionale native in depistarea, diagnosticul si monitorizarea prin tehnici neinvazive a cancerului mamar – **ELASTOBREAST- CEEX VIASAN nr. 149/2006**, director de proiect - Conf. Dr. Sorin M Dudea, **membru în colectivul de cercetare** al Universității de Medicină și Farmacie “Iuliu Hațieganu” Cluj, grant finantat, in curs de derulare 2006-2008.
4. Proiect coordonat la nivelul Spitalului Clinic Judetean de Urgenta Cluj-Napoca - 2004 – 2006: Asigurarea calității în mamografie - “Quality Assurance in Mammography” finantat de: USAID (United States Agency for International Development), agentie guvernamentala USA; AIHA (American International Health Association); Fundatia Susan G. Komen Breast Foundation, USA; in parteneriat cu Ministerul Sanatatii prin: Institutul Oncologic Bucuresti, Institutul Clinic Fundeni Bucuresti, Institutul Oncologic Cluj-Napoca, Spitalul Clinic Judetean de Urgenta Cluj, Clinica Radiologica, - **colaborator**.
5. “Procedee inovative in chirurgia reconstructiva la pacientul cu cancer – transplantul de tesuturi compozite si utilizarea de materiale sintetice biocompatibile” – **ONCOREC -, CEEX sept.2006 – nov. 2008**, director de proiect – Prof. Dr. Constantin Ciuce, contract **nr. 109/2006**, **membru în colectivul de cercetare**.
6. “Elaborarea de standarde-cuantificari imagistice privind atrofia cerebrala fiziologica si patologica, corelate cu date clinico-morfo-genetice. Implicatii in recuperarea/integrarea socio-profesionala” – **RADINDEX -, 2006-2008**, director de proiect – Prof. Dr. Silviu Srangeu, **CEEX 132/2006**, **membru în colectivul de cercetare**.
7. **CNFIS nr. 26** Proiect de dezvoltare a Colegiului de tehnicieni medicali superiori in radiodiagnostic, imagistica medicala, radioterapiue si medicina nucleara si centrul de initiere si invatare in imagistica medicala – Prof. Dr. Silviu Srangeu, **membru în colectivul de cercetare**.

Books chapters: 4

1. Manopere ecoghidate cu scop diagnostic in patologia glandei mamare. In: Radu I. Badea, Sorin M. Dudea, Petru A Mircea, Mircea Stamate. *Tratat de ultrasonografie clinica Vol.III*. Bucuresti: Editura Medicala; 2008, pag. 467-80.
2. Tratamentul percutan ecoghidat in patologia glandei mamare. In: Radu I. Badea, Sorin M. Dudea, Petru A Mircea, Mircea Stamate. *Tratat de ultrasonografie clinica Vol.III*. Bucuresti: Editura Medicala; 2008, pag. 567-8.
3. Glanda mamara. In: Radu I. Badea, Sorin M. Dudea, Petru A Mircea, Dumitru Zdrenghea. *Tratat de ultrasonografie clinica Vol.II*. Bucuresti: Editura Medicala; 2006.
4. Glanda mamara. In: Sorin M.Dudea, Radu I. Badea. *Ultrasonografie vasculara*. Bucuresti: Editura Medicala; 2004.

Publications: 120 (31 in extenso, 5 PubMed indexed, 6 ISI, 1 SCOPUS)

Awards:

Chiorean, **M.Duma**, M. Chiorean et al. Diagnostic Challenges in Breast Imaging: Mammographic and Ultrasound Appearances with Unexpected Pathology Result. **RSNA 2012, Certificate of Merrit**

T. Serb, A. Chiorean, **M. Duma** et al. Radioimagistica bolilor inflamatorii ale glandei mamare: de la abcesul tipic la sarcoidoza. Simpozionul de Imagistica A Sanului, a 2-a editie. Sibiu, 2008. **Premiul I.**

M. Duma, A. Chiorean, R. Roman et al. *MRI aspects encountered in breast pathology*. First Romanian Congress of Magnetic Resonance Imaging with international participation. Brasov, 2007. Premiul II.

Memberships in Radiological national and international societies:

European Society of Radiology
Radiological Societies of North America
Romanian Society of Radiology
Romanian Breast Imaging Society
Romanian and International Society for Magnetic Resonance in Medicine and Biology
World Federation for Ultrasound in Medicine and Biology
European Federation of Societies for Ultrasound in Medicine and Biology
Romanian Ultrasound Society

5 Significant publications:

1. Chiorean AR, Duma MM, Dudea SM, Bolboaca S, Dumitriu D, Eniu D, Sfrangeu SA. Typical and unusual sonoelastographic patterns of breast cystic lesions: impact on BI-RADS classification. *Ultraschall Med*. 2012 Dec;33(7):E138-44. doi: 10.1055/s-0029-1245699. Epub 2010 Oct 22 (ISI)
2. Chiorean AR, Duma MM, Dudea SM, Dindelegan G, Rogoian L. Sonoelastographically guided preoperative localization of suspicious breast microcalcification detected with mammography. *Ultraschall Med*. 2009 Oct;30(5):492-3. doi: 10.1055/s-2008-1027995. Epub 2009 Oct 7 (ISI)
3. Angelica Chiorean, Maria Magdalena Duma, Laura Urian et al. Diagnostic challenges: Atypical breast onset of acute myeloid leukemia in a middle age, apparently, healthy woman. *European Journal of Radiology Extra* 78(2011) e1-e3 (SCOPUS)
4. Dudea SM, Giurgiu CR, Dumitriu D, Chiorean A, Ciurea A, Botar-Jid C, Coman I. Value of ultrasound elastography in the diagnosis and management of prostate carcinoma *Med Ultrason*. 2011 Mar;13(1):45-53.
5. Dudea SM, Ciurea A, Chiorean A, Botar-Jid C. Doppler applications in testicular and scrotal disease. *Med Ultrason*. 2010 Mar;12(1):43-51.