



# NICOLAE SÂRBU

**Nationality:** Romanian

**Date of birth:** 10/01/1983

**Gender:** Male

✉ **Email address:** [dnsarbu@gmail.com](mailto:dnsarbu@gmail.com)

## WORK EXPERIENCE

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### **Associate professor**

*Faculty of Medicine and Pharmacy, "Dunarea de Jos" University* [ 02/2019 – Current ]

City: Galati

Country: Romania

### **Radiologist**

*County Emergency Hospital* [ 11/2019 – 10/2021 ]

City: Galati

Country: Romania

Head of Radiology Department

### **Consultant radiologist Magnetic Resonance Imaging – Neuroradiology and MSK radiology**

*Erasme Hospital, Université Libre de Bruxelles (ULB)* [ 10/2016 – 08/2019 ]

City: Bruxelles

Country: Belgium

### **Radiologist CHU de Mons, Mons (Belgium)**

*CHU de Mons* [ 02/2017 – 08/2019 ]

City: Mons

Country: Belgium

referent musculoskeletal radiologist

### **European School of Radiology (ESOR) Fellowship in MSK radiology**

*CHU de Lille* [ 10/2016 – 01/2017 ]

City: Lille

Country: France

- mentor: Prof. Anne Cotten

### **Clinical Fellowship in Neuroradiology and MSK radiology Erasme University Hospital, ULB, Bruxelles (Belgium)**

*Erasme University Hospital, Université Libre de Bruxelles (ULB)* [ 10/2015 – 09/2016 ]

City: Bruxelles

Country: Belgium

all imaging techniques and interventional procedures

**Observership Department of Magnetic Resonance Imaging**  
**Erasme University Hospital**, [ 01/2015 – 02/2015 ]

City: Bruxelles  
Country: Belgium

- mentor: Prof. Danielle Balériaux

**PhD student (MRI) Faculty of Medicine, University of Barcelona**  
**Faculty of Medicine, University of Barcelona** [ 09/2014 – 12/2017 ]

City: Barcelona  
Country: Spain

- PhD title: "Advanced And Conventional Magnetic Resonance Imaging Techniques: Biomarkers In Neurolyupus"  
- director: Nuria Bargallo, MD, PhD  
- tutor: Laura Oleaga, MD, PhD, Prof.

**Scholarship in Neuroradiology**

**American Institute for Radiologic Pathology (AIRP) and Walter Reed National Military Center** [ 09/2014 – 12/2014 ]

City: Bethesda  
Country: United States

- Scholarship SERAM (Sociedad Espanola de Radiologia Medica) - AIRP;  
- mentors: Dr Robert Shih and Prof. James G. Smirniotopoulos.

**resident**

**Hospital Clinic Barcelona, University of Barcelona** [ 05/2011 – 05/2015 ]

City: Barcelona  
Country: Spain

- by national exam (via MIR): position 72/11.554

**resident**

**"Carol Davila" University, Bucharest, Romania** [ 2008 – 2010 ]

City: Bucharest  
Country: Romania

-by national exam: 1st position/4.437 candidates

**EDUCATION AND TRAINING**

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**Faculty of Medicine „Carol Dávila” Bucharest**  
[ 2001 – 2007 ]

Address: Bucharest (Romania)  
Final grade : - licence degree 9.79

**"Carol I" high-school Fetesti (Romania)**  
[ 1998 – 2001 ]

Diploma of Excellence

## LANGUAGE SKILLS

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Mother tongue(s): **Romanian**

Other language(s):

### **Spanish**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

### **French**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

### **English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

## PUBLICATIONS

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**1. Baz RA, Scheau C, Sarbu N, Costea DO, Dijmărescu A, Bordei P. Carotid paragangliomas: case report and imaging review. Folia Morphol (Warsz). 2021;80(3):699-706 (IF 1.183)**

**2. Zaouak Y, Sadeghi N, Sarbu N, Ligot N, Lubicz B. Differentiation between Cerebral Hemorrhage and Contrast Extravasation Using Dual Energy Computed Tomography after Intra-Arterial Neuro Interventional Procedures. J Belg Soc Radiol. 2020 Nov 25;104(1):70. (IF 1.894)**

3. Lolli V, Pezzullo M, Sarbu N, Mavroudakis N. Flexion MRI in a case of Hirayama disease. *Radiology Case Reports* 2020;15(9):1701-1704
4. Sarbu N, Shih RY, Oleaga L, Smirniotopoulos JG. RadioGraphics Update: White Matter Diseases with Radiologic-Pathologic Correlation. *Radiographics*. 2020;40(3):E4-E7 (IF 5.333)
5. Sarbu MI, Sarbu N. Fulminant brain atrophy and vasculitis on vessel wall imaging in neuropsychiatric lupus: case report with literature review. *Arch Rheumatol* 2020, 35(3), 443-448 (IF 1.472)
6. Toubeau A, Malasi S, Sarbu N. Pseudotumoral Calcinosis Following Bone Fracture. *Journal of the Belgian Society of Radiology*. 2019;103(1):53 (IF 0.729)
7. Sarbu N, Lolli V, Smirniotopoulos JG. Magnetic resonance imaging in myelopathy: a pictorial review. *Clin Imaging*. 2019;57:56-68 (IF 1.605)
8. Sarbu MI, Sarbu N. Musculoskeletal manifestations in inflammatory bowel disease. *Open Med (Wars)*. 2019;14:75-84. (IF 1.222)
9. Sarbu MI, Sarbu N. Central PRES (posterior reversible encephalopathy syndrome) in HELLP syndrome. *Intern Emerg Med*. 2019 Jun;14(4):617-618 (IF 3.397)
10. Sarbu N, Sarbu MI, Bargalló N, Cervera R. Future Perspectives in the Diagnosis of Neuropsychiatric Lupus by Advanced Magnetic Resonance Imaging Techniques. *Curr Rheumatol Rev*. 2018;14(3):213-218
11. Sarbu N, Toledano P, Calvo A, Roura E, Sarbu MI, Espinosa G, Lladó X, Cervera R, Bargalló N. Advanced MRI techniques: biomarkers in neuropsychiatric lupus. *Lupus*. 2017;26:510-516 (IF 2.969).
12. Sarbu N, Shih RY, Jones R, Horkayne-Szakaly I, Oleaga L, Smirniotopoulos JG. White Matter Diseases with Radiologic-Pathologic Correlation. *Radiographics*. 2016;36:1426-1447 (IF 3.249).
13. Sarbu N, Oleaga L, Valduvieto I, Pujol T, Berenguer J. Increased signal intensity in FLAIR sequences in the resection cavity can predict progression and progression-free survival in gliomas. *Neurocirugia (Astur)*. 2016;27:269-276. (IF 0.456)
14. Roura E, Sarbu N, Oliver A, Valverde S, González S, Cervera R, Bargalló N, Lladó X. Automated Detection of Lupus White Matter Lesions in MRI. *Front Neuroinform*. 2016;12:10-33. (IF: 3.047)
15. Sarbu N, Pujol T, Oleaga L. Hyperintense perilesional edema in the brain on T1-weighted images: Cavernous malformation or metastatic melanoma? Three case reports and literature review. *Neuroradiol J*. 2016;29:52-56
16. Sarbu N, Bargalló N, Cervera R. Advanced and Conventional Magnetic Resonance Imaging in Neuropsychiatric Lupus. *F1000Research*. 2015;4:162
17. Sarbu N, Alobeidi F, Toledano P, Espinosa G, Giles I, Rahman A, Yousry T, Capurro S, Jäger R, Cervera R, Bargallo N. Brain abnormalities in newly diagnosed neuropsychiatric lupus: Systematic MRI approach and correlation with clinical and laboratory data in a large multicenter cohort. *Autoimmun Rev*. 2015;14:153-159 (IF 7.933)

18.Sarbu N, López-Rueda A, Chirife O, Capurro S. CT-perfusion time-maps likely disclose the earliest imaging signs of posterior reversible encephalopathy syndrome (PRES). J Neuroradiol. 2014;41:147-149 (IF 1.753)

19.Toledano P, Sarbu N, Espinosa G, Bargallo N, Cervera R. Neuropsychiatric systemic lupus erythematosus: Magnetic resonance imaging findings and correlation with clinical and immunological features. Autoimmun Rev. 2013;12:1166-1170 (IF: 7.095)

20.Sudden cardiac death in non-atherosclerotic and non-inflammatory intimal cellular proliferations. A case report. Dermengiu D, Curca GC, Sârbu N, Hostiuc S, Ceausu M. Rom J Leg Med 2010;18:183-188 (IF 0.210)

21.Coronary fibromuscular dysplasia and sudden death - case report and literature review. Curca GC, Sârbu N, Dermengiu D, Dermengiu S, Martius E, Rusu MC, Hostiuc S. Rom J Leg Med 2009;17:165-172 (IF 0.210)

22.Body modification and their value in identifying victims from mass-disasters. Sîrbu D, Sîrbu A, Sîrbu N. Rom J Leg Med 2008;16:128-133 (IF 0.210)

23.Sârbu N, Lolli V, Sârbu MI. Multiple acute infarcts of both cerebellar hemispheres in the context of a giant developmental venous anomaly of the posterior fossa. Analele Universitatii "Dunarea de Jos" din Galati, Fascicula XVII, Medicina, numarul 2/2018

24.Sârbu MI, Sârbu N, Lolli V. Acute infarct of the left basal ganglia: associated calcification and developmental venous anomaly. Analele Universitatii "Dunarea de Jos" din Galati, Fascicula XVII, Medicina, numarul 2/2018

25.Moraru I, Nechita A, Sârbu N, Dumitru C, Radaschin DS, Baciuc G. Importance of clinical manifestations in the diagnosis of Wolff Parkinson White syndrome in children. Analele Universitatii "Dunarea de Jos" din Galati, Fascicula XVII, Medicina, numarul 2/2018, pp. 43-47

26.Georgescu EM, Popa F, Sârbu N, Dobre M. 20 years surveillance experience in patients with Budd-Chiari syndrome. Analele Universităţii „Dunărea de Jos” Galaţi, Fascicula XVII - Medicină, 2018, 2:17-21, ISSN 1583-2074; revistă acreditată CNCSIS categoria B+, cod 931

27.Backup plan before performing incisional hernia repair - a benefit to all patients, Popa F, Dinu C, Dobre M, Sârbu N, Georgescu EM. Analele Universităţii „Dunărea de Jos” Galaţi, Fascicula XVII - Medicină, 2018, 2:21-25, ISSN 1583-2074; revistă acreditată CNCSIS categoria B+, cod 931

## DIGITAL SKILLS

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### Publications

## ELECTRONIC COMUNICATIONS

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1.White Matter Diseases: Radiologic-Pathologic Correlation. Sarbu N, Shih R, Jones R, Horkayne-Szakaly I, Oleaga L, Smirniotopoulos JG. Radiological Society of North America (RSNA) Annual Meeting 2015, Chicago (US)

2.Tomografía computerizada perfusión en pacientes con "Stroke Mimics". Fortuny L, Chirife O, Sarbu N, López A, San Román L, Oleaga L. Congrés Nacional De Radiològs De Catalunya 2015, Barcelona (Spain)

**3. Espectro clínico y radiológico de las trombosis venosas cerebrales. Pineda C, Sarbu N, Benegas M, Berenguer J, Oleaga L. Congreso Nacional Sociedad Espanola de Radiologia Medica (SERAM) 2014, Oviedo (Spain)**

**4. MR imaging of acute non-traumatic spinal cord syndrome. Ripoll E, Sarbu N, Lopez A, Capurro S, Oleaga L. European Congress of Radiology (ECR) 2014, Viena (Austria)**

**5. The spectrum of imaging manifestations and prognostic factors of posterior reversible encephalopathy syndrome. Sarbu N, et al European Congress of Radiology (ECR) 2013, Viena (Austria)**

**6. Anatomy and pathology of the skull base, CT and MRI imaging. Sarbu N, Oleaga L, Berenguer J, Pujol T, Squarcia M. European Congress of Radiology (ECR) 2013, Viena (Austria)**

**7. Analysis of central nervous system findings on MR imaging in patients with neurolupus. Sarbu N, Gutierrez D, Sarbu MI, Toledano P, Espinosa G, Olondo M, Capurro S, Cervera R, Bargalló N. European Congress of Radiology (ECR) 2013, Viena (Austria)**

**8. Typical and atypical radiological findings in posterior reversible encephalopathy syndrome. Sarbu N, Chirife O, Capurro S, López-Rueda A, Olondo M, San Roman L, Oleaga L. Congreso Nacional Sociedad Espanola de Neuroradiologia (SENR) 2012, Alicante**

**9. Analysis of imaging spectrum of central nervous system manifestations in patients with systemic lupus erythematosus. Sarbu N, et al. Congreso Nacional Sociedad Espanola de Neuroradiologia (SENR) 2012, Alicante (Spain)**

**10. Utilities of diffusion-weighted MR imaging in the evaluation of treated pituitary adenomas. Capurro S, Olondo M, Cosci E, Sarbu N, Benegas M, Bargalló N. Congreso Nacional Sociedad Espanola de Neuroradiologia (SENR) 2012, Alicante (Spain)**

**11. Anatomía y patología de la base del craneo. Hallazgos por TC y RM. Sarbu N, Oleaga L, Berenguer J, Pujol T, Squarcia M. Congreso Nacional Sociedad Espanola de Radiologia Medica (SERAM) 2012, Granada (Spain)**

## **BOOKS AND CHAPTERS**

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**1. Sarbu N, Goutte A, David Ph. Suivi en imagerie des lésions démyélinisantes. Chapter in Louryan S. Lemort M. (éditeurs). Imagerie du Suivi en Neuroradiologie.**

I.S.B.N. 9791030301809. Sauramps Medical, pp 19-29, Montpellier, France, 2018 (chapter author)

**2. Sarbu N, Goutte A, David Ph. Suivi en imagerie des lésions inflammatoires et infectieuses du SNC. Chapter in Louryan S. Lemort M. (éditeurs). Imagerie du Suivi en Neuroradiologie.**

I.S.B.N. 9791030301809. Sauramps Medical, pp 31-45, Montpellier, France, 2018 (chapter author)

**3. David Ph, Sarbu N, Guisset F. Imagerie des affections démyélinisantes. Chapter in Louryan S. Lemort M. (éditeurs). Imagerie des lésions dégénératives du cerveau.**

I.S.B.N. 9791030300659. Sauramps Medical, pp 43-64, Montpellier, France, 2016 (chapter author)

**4. MRI of acute non-traumatic spinal cord syndrome. Ripoll E, Sarbu N, Lopez-Rueda A, Oleaga L.**

I.S.B.N. 978-84-686-4808-8. Bubok Publishing S.L., Madrid, Spain, 2014 (book author)

## RESEARCHER – GRANTS AND CLINICAL STUDIES

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### **1.A prospective multicentre single-arm study in adults to evaluate the safety and preliminary efficacy of the autologous 3D osteogenic implant NVD-003 for bone reconstruction for the treatment of recalcitrant lower limb non-union (NVD003-CLN01 NOVADI**

(NVD003-CLN01 NOVADIP) multicenter study.

-funding body: Bone Therapeutics S.A., Belgium

-period: 2018-2019

-principal investigator: Xavier Collard

### **2.Platform for imaging in clinical research in Brussels (PICRIB, 2013-PFS-EH-7 and extension 2017-PFS-EH-107), multicentre study, Erasme Hospital (ULB) – Univeriste Catolique de Louvain (UCL “Saint Luc”) – Vrije University Brussels (VUB).**

-funding body: 1) ClinicoBru - consortium between UZ Brussel, Erasme and St Luc Hospitals; and 2) Abrumet : Brussels health network

-period: 2016-2018

-principal investigator: Jef Vandemeulebroucke

### **3.PREOB-ON3: Phase III, pivotal, multicentre, randomised, double-blind controlled Study to evaluate the Efficacy and Safety of Autologous Osteoblastic Cells (PREOB®) Implantation in Early Stage Non Traumatic Osteonecrosis of the Femoral Head**

EudraCT number: 2009-012929-11; Protocol Number: 000001/BT

-funding body: Bone Therapeutics S.A., Belgium

-period: 2016-2017

-principal investigator: Marc Jayankura

### **4.Advanced MR techniques in neuropsychiatric lupus erythematosus. Correlation with clinical and laboratory characteristics**

-grant, funding body: SERAM-Industria (Spanish Society of Radiology)

-period: 2014-2016

-principal investigator: Nicolae Sarbu

### **5.Conectividad funcional en una muestra de niños y adolescentes con riesgo genético de psicosis**

-grant, funding body: “Alicia Koplowitz” Foundation -period: 2013-2016

-principal investigator: Gisela Sugranyes Ernest

## **6. Malignant arrhythmia conditions in sudden cardiac death: assessing concept models from morphologic patterns**

-grant, funding body: CNCSIS Bucharest (Romanian National Research Centre), national project ID 2642/2008

-period: 2008-2011

-principal investigator: Curca George Cristian

### **SPEAKER-COURSES AND ORAL COMMUNICATIONS**

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- 1. Paralizia nervului facial la pacientii pediatrici – aspecte radioimagistice. Pascu L, Sarbu N, Popescu CM, Bratu AM, Matei NM, Stefanescu C, Zaharia C, Stefanescu V. A VI-a Conferinta Nationala organizata de SIORL, Septembrie 2021, Bucuresti**
- 2. Malformatiile urechii interne - aspecte radio-imagistice. Dorin-Gabi Panait, Alexandru Grosu, Madalina Lazar, Cristina Mihaela Popescu, Simona Pintilie Gherghe, Cristina Stefanescu, Nicolae Sarbu, Ana Magdalena Bratu, Constantin Zaharia, Victorita**
- 3. Patologia urechii interne la copil - rolul radio-imagisticii. Alexandru Grosu, Dorin-Gabi Panait, Cristina Mihaela Popescu, Cristina Stefanescu, Nicolae Sarbu, Ana Magdalena Bratu, Constantin Zaharia, Victorita Stefanescu. A V-a Conferinta National**
- 4. Diagnostic imaging methods in psoriatic arthritis-Magnetic resonance imaging. Sarbu Mihaela Ionela, Nicolae Sarbu, Alin Laurentiu Tatu. Conferința Școlilor Doctorale SCDS-UDJG, Iunie 2020, 8th Edition, Galați**
- 5. Suivi en imagerie des lésions démyélinisantes. Sarbu N. 30ème Cours de Neuroradiologie, 2018, Pont d'Oye, Belgium (comprehensive course).**
- 6. Suivi en imagerie des lésions inflammatoires et infectieuses du SNC. Sarbu N. 30ème Cours de Neuroradiologie, 2018, Pont d'Oye, Belgium (comprehensive course).**
- 7. Demyelinating Diseases With Radiologic-Pathology Correlation. Sarbu N, Shih R, Smirniotopoulos JG. "XXVI Curso Internacional de Correlación Radiopatológica", American Institute for Radiologic Pathology (AIRP), 08-11 June 2015, Madrid (Spain)**  
refresh course
- 8. MRI findings in patients with newly diagnosed neuropsychiatric lupus. A systematic approach. Sarbu N, Toledano P, Capurro S, Sarbu MI, Espinosa G, Cervera R, Bargallo N. European Society of Neuroradiology Annual Meeting 2013, Frankfurt (Germany)**
- 9. Central nervous system systemic lupus erythematosus: a review of MRI findings in a large multicentre cohort. Alobeidi F, Sarbu N, Jager R, Yousry T, Bargalló N. British Society of Neuroradiologists Annual Meeting 2013, Oxford (UK)**
- 10. Ultrasound imaging of the neonatal brain. EPOS mediated discussion. Sarbu N, Pineda C, Benegas M, Berenguer J, Oleaga L. European Congress of Radiology (ECR) 2013, Viena (Austria)**
- 11. Hallazgos radiológicos y su correlación con datos clínicos e inmunológicos en pacientes con lupus neuropsiquiátrico. Toledano P, Sarbu N, Espinosa G, Bargalló N, Cervera R.**  
Congreso Nacional de la Sociedad Española de Medicina Interna 2013, Malaga (Spain)



**12. Perfusion CT in epileptic seizures mimicking stroke in the emergency setting. Ripoll E, López A, Chirife O, Sarbu N, San Roman L, Blasco J, Macho J, Oleaga L. Sociedad Espanola de Neuroradiologia (SENR) 2013, Lisbon (Portugal)**

**13. Role of CT perfusion in the detection and characterization of perfusion changes in stroke mimics. Chirife O, Sarbu N, Zarco F, López-Rueda A, Campodonico D, Capurro S, San Roman L, Blasco J, Macho J, Oleaga L.**

Sociedad Espanola de Neuroradiologia (SENR) 2012, Alicante (Spain)

## **CERTIFICATIONS**

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**Certificates of Magnetic Resonance Imaging and Computer Tomography, Ministry of Education, Romania**

[ 2021 ]

**Certificate of "Primariat", Ministry of Education, Romania**

[ 2021 ]

**Extraordinary Award for PhD, University of Barcelona**

[ 2019 ]

**European Diploma in Neuroradiology (EDiNR), (fellowship, 2-years courses and exams, and final written and oral examinations), Rotterdam, Holland**

[ 2018 ]

**PhD in Medicine (Magnetic Resonance Imaging-Neuroradiology), University of Barcelona, "Doctorat International" and "Cum Laude" (2014-2017)**

[ 2014 - 2017 ]

**University Diploma of Magnetic Resonance Imaging, Paris University, France**

[ 2017 ]

**ESOR Fellowship Certificate in MSK radiology, Lille, France**

[ 2016 ]

**European Diploma in Radiology (EDiR), written and practic examinations, European Board of Radiology - European Society of Radiology (ESR), Barcelona (Spain)**

[ 2015 ]

**Neuroradiology Certificate, American College of Radiology (ACR), Silver Spring, MD (US)**

[ 2014 ]

## **SCIENTIFIC REVIEWER**

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**European Radiology (Impact Factor 3.967), official journal of the European Society of Radiology**

[ 2017 - Current ]