



Europass Curriculum Vitae

Informatii personale

Nume / Prenume

Lenghel, Lavinia Manuela

Nume anterior casatoriei

Pop

Adresa (e)

-

Telefon(ane)

-

Mobil: -

Fax

E-mail

pop.lavinia@umfcluj.ro

Nationalitatea

Romana

Data nasterii

02.04.1982

Sex

Feminin

Locul de munca vizat / Domeniul occupational

Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Catedra de Radiologie si Imagistica, Doctor in Medicina
Spitalul Clinic Judetean de Urgenta, Radiologie Imagistica Medicala

Experienta profesionala

Perioada

Octombrie 2021- prezent:

Functia sau postul ocupat

Conferentiar universitar

Activitati si responsabilitati principale

Activitati de predare
Cercetare stiintifica medicala: articole stiintifice, studii, publicatii, carti de specialitate

Numele si adresa angajatorului

Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Disciplina de Radiologie, str Victor Babes nr. 6, Cluj-Napoca

Tipul activitatii sau sectorul de activitate

Preocupari de sanatate, educatie si activitati de training cu studentii, rezidentii, absolventii, medicii specialisti, cercetare medicala stiintifica

Perioada

Octombrie 2018- Septembrie 2021:

Functia sau postul ocupat

Sef lucrari

Activitati si responsabilitati principale

Activitati de predare
Cercetare stiintifica medicala: articole stiintifice, studii, publicatii, carti de specialitate

Numele si adresa angajatorului

Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Disciplina de Radiologie, str Victor Babes nr. 6, Cluj-Napoca

Tipul activitatii sau sectorul de activitate

Preocupari de sanatate, educatie si activitati de training cu studentii, rezidentii, absolventii, medicii specialisti, cercetare medicala stiintifica

Perioada

Octombrie 2011- Septembrie 2018:

Functia sau postul ocupat

Asistent universitar

Activitati si responsabilitati principale

Activitati de predare
Cercetare stiintifica medicala: articole stiintifice, studii, publicatii, carti de specialitate

Numele si adresa angajatorului

Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Disciplina de Radiologie, str Victor Babes nr. 6, Cluj-Napoca

Tipul activitatii sau sectorul de activitate

Preocupari de sanatate, educatie si activitati de training cu studentii, rezidentii, absolventii, medicii specialisti, cercetare medicala stiintifica

Perioada

Octombrie 2021 – prezent

Functia sau postul ocupat

Medic primar Radiologie Imagistica Medicala

Activitati si responsabilitati principale	activitate clinica si de cercetare
Numele si adresa angajatorului	Spitalul Clinic Judetean de Urgenta, Laboratorul de Radiologie, str. Clinicilor, nr. 1-3, Cluj-Napoca
Tipul activitatii sau sectorul de activitate	Preocupari de sanatate, diagnostic imagistic, cercetare stiintifica medicala
Perioada	Ianuarie 2012-Octombrie 2021
Functia sau postul ocupat	Medic specialist Radiologie Imagistica Medicala
Activitati si responsabilitati principale	activitate clinica si de cercetare
Numele si adresa angajatorului	Spitalul Clinic Judetean de Urgenta, Laboratorul de Radiologie, str. Clinicilor, nr. 1-3, Cluj-Napoca
Tipul activitatii sau sectorul de activitate	Preocupari de sanatate, diagnostic imagistic, cercetare stiintifica medicala
Perioada	Octombrie 2011 – Septembrie 2015
Functia sau postul ocupat	student doctorand; Titlul tezei: "Rolul ecografiei bidimensionale, Doppler si elastografiei in evaluarea limfadenopatiilor cervicale"
Activitati si responsabilitati principale	activitate de cercetare
Numele si adresa angajatorului	Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Disciplina de Radiologie, str Victor Babes nr. 6, Cluj-Napoca
Tipul activitatii sau sectorul de activitate	activitate de cercetare
Perioada	Ianuarie 2007 – Octombrie 2011
Functia sau postul ocupat	Medic Rezident Radiologie si Imagistica Medicala
Activitati si responsabilitati principale	Activitate clinica si de cercetare, diagnostic radio-imagistic
Numele si adresa angajatorului	Spitalul Clinic Judetean de Urgenta
Tipul activitatii sau sectorul de activitate	Activitate clinica si de cercetare
Educatie si formare	
Perioada	Octombrie 2011 – Decembrie 2015
Tipul activitatii sau sectorul de activitate	Student doctorand
Calificarea / diploma obtinuta	Doctor in Medicina
Disciplinele principale studiate	Activitati de cercetare in domeniul ultrasonografiei
Numele si tipul angajatorului/institutiei responsabile de educatie si formare	Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca, Disciplina de Radiologie, str Victor Babes nr. 6, Cluj-Napoca
Perioada	Ianuarie 2007 – Octombrie 2011
Tipul activitatii sau sectorul de activitate	Medic rezident Radiologie Imagistica Medicala
Calificarea / diploma obtinuta	Medic specialist Radiologie Imagistica Medicala
Disciplinele principale studiate	Activitati clinice, de invatare si de cercetare in domeniul radiologiei conventionale, ultrasonografiei, computer-tomografiei, examinarii imagistice prin rezonanta magnetica
Numele si tipul angajatorului/institutiei responsabile de educatie si formare	Spitalul Clinic Judetean de Urgenta Cluj Napoca
Perioada	Octombrie 2000 – Septembrie 2006
Tipul activitatii sau sectorul de activitate	Student
Calificarea / diploma obtinuta	Doctor
Disciplinele principale studiate	Activitatea clinica, medicala
Numele si tipul angajatorului/institutiei responsabile de educatie si formare	Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca

Perioada Septembrie 1996 – Iunie 2000
 Tipul activitatii sau sectorul de activitate Elev liceu
 Calificarea / diploma obtinuta Diploma de Bacalaureat
 Disciplinele principale studiate Clasa de Chimie - Biologie
 Numele si tipul angajatorului/institutiei responsabile de educatie si formare Colegiul National "Dragos-Voda" Sighetu-Marmatiei, Romania

Aptitudini si competente personale

Limba(i) materna(e) **Romana**

Limba(i) straina(e) cunoscute **Engleza, Franceza**

Autoevaluare
 Nivel european (*)

Limba

Limba

Intelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversatie		Discurs oral			
engl	B2	eng	B2	engl	B2	engl	B2	engl	B2
franc	B2	fre	B2	franc	B2	franc	B2	franc	B2

(*)Nivelul Cadrului European Comun de Referinta Pentru Limbi Straine

Competente si abilitati sociale

Inalta adaptabilitate la situatii noi
 Spirit de echipa
 Capacitate de adaptare la medii multiculturale

Competente si aptitudini organizatorice

Capacitate organizatorica

Competente si aptitudini tehnice

Capacitate inovativa

Competente si aptitudini de utilizare a calculatorului

Cunostinte si abilitate de a lucra cu programele Microsoft Office (Word, Power Point, Acces, Excel)

Permis(e) de conducere

Tip B

Informatii suplimentare

Membru în Organizații Științifice Internaționale

European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB)
 European Society of Radiology (ESR)
 European Society of Head and Neck Radiology (ESHNR)

Membru în Organizații Stiințifice Naționale	Societatea de Radiologie si Imagistica Medicala din Romania - SRIM Societatea Romana de Ultrasonografie in Medicina si Biologie – SRUMB
Fellowship Internațional	AZ St-Jan Brugge-Oostende AV, Brugge, Belgium, 4-29 Martie 2019 (observership: Prof.Dr Jan Casselman)
	Radiologie und Nuklearmedizin Kaufbeuren – Landsberg – Fussen, Germany, 2016 (Tutor: Dr. Ferdinand Bauer)
	Head and Neck Imaging ESOR/ESHNR Fellowship la Division of Musculoskeletal and Neuroradiology, Medical University of Vienna, Austria, 12 Ianuarie, 2015 – 13 Aprilie, 2015 (Tutor: Prof.Dr. Christian Czerny)
Cursuri internaționale	
	Certificat de participare la Erasmus Course MRI Head and Neck , 11-15 februarie 2019, Lisabona, Portugalia
	ESMRMB School of MRI Advanced Head & Neck Imaging, Oslo, 24-26 Mai 2018
	Certificat de participare la Erasmus Course MRI Head and Neck , 5 Februarie 2018-9 februarie 2018, Bruges, Belgia
	Certificat de participare la Cursul in ultrasonografie maxilo-faciala , 25 Iunie, 2014, 14th European Congress of Dento-Maxillo-Facial Radiology, Cluj-Napoca, Romania (demonstrator)
	European School of Radiology (ESOR) Galen Course, Neuroradiology , Bratislava (Slovacia) 13-15 Mai 2010
Nominalizări internaționale	European School of Radiology (ESOR) Galen Course, Chest/Cardiovascular Radiology , Belgrad (Serbia) 15-17 Octombrie 2009
Informații suplimentare-Activitatea științifică	European School of Radiology (ESOR) Galen Course, Abdominal/Urogenital Radiology , Sofia (Bulgaria) 5 – 8 Martie 2009
	EUROSON Young researcher award Atena 2015
	Membru in cadrul Centrului de Formare in Ultrasonografie al Universității de Medicină și Farmacie "Iuliu Hațieganu" Cluj Napoca, Romania, Co-Directori ai Departamentului: Prof. Dr. Radu Badea și Prof. S. M. Duda
Anexe	Premii stiintifice:1
	Articole ISI publicate in extenso: 44
	Articole B+ publicate in extenso: 4
	Carti de specialitate publicate in edituri nationale (sub redactia): 1
	Capitole in carti de specialitate: 16
	Prezentari orale la manifestari stiintifice ca si prim autor/prezentator: 22 (6 Internationale, 13 Nationale, 3 lector invitat)
	Grant de cercetare international: 1 (membru)
	2.1. Lista Publicatiilor și Proiecte de cercetare

Anexe 2.1. Activitatea stiintifica

Premii stiintifice:

Premiul SRUMB pentru “Cea mai buna lucrare poster” pentru lucrarea “Evaluarea comparativa a unor scoruri sonoelastografice pentru diagnosticul diferential benign/malign al limfadenopatiilor cervicale” Oradea, 30 Mai- 1 Iunie, 2013.

Articole indexate ISI publicate in extenso:

1. Delia Muntean, Manuela Lenghel*, Anca Ciurea, Sorin Ducea. Viscosity Plane-wave UltraSound (ViPLUS) in the assessment of parotid and submandibular glands in healthy subjects—preliminary results. *Medical Ultrasonography*. 24(3); 300-304. **(ISI IF= 1.75 Q3). (*autor principal)**
2. Dulgheriu Ioana-Teofana, Solomon Carolina, Muntean, Delia Doris, Petea-Balea, Raluca, **Lenghel Manuela**, Ciurea Anca Ileana, Ducea Sorin Marian. Shear-Wave Elastography and Viscosity PLUS for the Assessment of Peripheral Muscles in Healthy Subjects: A Pre- and Post-Contraction Study. *Diagnostics* 2022 12 (9), 2138. **(ISI IF= 3.992 Q2)**
3. Muntean Delia Doris, Badarinza Maria, Stefan Paul Andrei, **Lenghel Manuela Lavinia**, Rusu Georgeta Mihaela, Csutak Csaba, Coroian Paul Alexandru, Lupean Roxana Adelina, Fodor, Daniela. The Diagnostic Value of MRI-Based Radiomic Analysis of Lacrimal Glands in Patients with Sjogren's Syndrome. *International Journal of Molecular Sciences* 2022. 23 (17), 10051. **(ISI IF= 6.208 Q1)**
4. Muntean Delia Doris, **Lenghel Manuela Lavinia**, Petea-Balea, Diana-Raluca, Ciurea Anca Ileana, Solomon Carolina, Ducea Sorin Marian. Functional Evaluation of Major Salivary Glands Using Viscosity PLUS and 2D Shear-Wave PLUS Elastography Techniques in Healthy Subjects-A Pilot Study. *Diagnostics* 2022. 12 (8), 1963 (ISI IF= 3.992 Q2) **(*autor principal)**
5. Moldovan Remus, Mitrea Daniela-Rodica, Florea Adrian, Chis Irina-Camelia, Suci Soimita, David Luminita, Moldovan Bianca Elena, Muresan Laura Elena, **Lenghel Manuela**, Ungur, Rodica Ana, Opris Razvan Vlad, Decea Nicoleta, Clichici Simona Valeria. Effects of Gold Nanoparticles Functionalized with Bioactive Compounds from Cornus mas Fruit on Aorta Ultrastructural and Biochemical Changes in Rats on a Hyperlipid Diet-A Preliminary Study. *Antioxidants* 11 (7), 1343. <https://doi.org/10.3390/antiox11071343> (ISI IF= 7.675 Q1)
6. Talmaceanu Daniel, **Lenghel Lavinia Manuela**, Csutak Csaba, Bolog Nicolae, Leucuta Daniel-Corneliu, Rotar Horatiu, Tig Ioan, Buduru Smaranda. Diagnostic Value of High-Resolution Ultrasound for the Evaluation of Capsular Width in Temporomandibular Joint Effusion. *Life* 2022 12 (4), 477 (ISI IF= 3.253 Q2)
7. Muresan Eugenia-Maria, Golea Adela, Vesa Stefan Cristian, **Lenghel Manuela**, Csutak Csaba, Perju-Dumbrava, Lacramioara. Emergency department point-of-care biomarkers and day 90 functional outcome in spontaneous intracerebral hemorrhage: A single-center pilot study. *Experimental and Therapeutic Medicine* 2022 23 (3), 1-8 (ISI IF= 2.751 Q3)
8. Olga Medvedev, Mihaela Hedesiu, Anca Ciurea, **Manuela Lenghel***, Horatiu Rotar, Cristian Dinu, Rares Roman, Dragos Termure, Csaba Csutak. Perineural spread in head and neck malignancies: imaging findings-an updated literature review. *Bosnian Journal of Basic Medical Sciences* 2022: 22 (1);22 (ISI IF=3.363, Q3) **(*autor principal)**
9. Raluca Petea-Balea, **Manuela Lenghel***, Horatiu Rotar, Cristian Dinu, Simion Bran, Florin Onisor, Rares Roman, Simona Senila, Csaba Csutak, Anca Ciurea. Role of dynamic contrast enhanced magnetic resonance imaging in the diagnosis and management of vascular lesions of the head and neck. *Bosnian Journal of Basic Medical Sciences* 2022:22 (2);156 (ISI IF=3.363, Q3) **(*autor principal)**
10. Esperanza Naredo, Sebastián C Rodriguez-Garcia, Lene Terslev, Carlo Martinoli, Andrea Klausner, Wolfgang Hartung, Hilde B Hammer, Vito Cantisani, Federico Zaottini, Violeta Vlad, Jacqueline Uson, Plamen Todorov, Christian Tesch, Iwona Sudoł-Szopińska, Paolo Simoni, Oana Serban, Luca Maria Sconfienza, Xavier Sala-Blanch, Athena Plagou, Riccardo Picasso, Levent Özçakar, Aurelie Najm, Ingrid Möller, Mihaela Micu, Dolores Mendoza-Cembranos, Peter Mandl, Clara Malattia, **Manuela Lenghel**, Jens Kessler, Gabriella Iohom, Javier de la Fuente, Maria Antonietta D’Agostino, Paz Collado, Angel Bueno, David Bong, Fernando Alfageme, Diana Bilous, Roxana Gutiu, Anamaria Marian, Michael Pelea, Daniela Fodor. The EFSUMB Guidelines and Recommendations for Musculoskeletal Ultrasound—Part II: Joint Pathologies, Pediatric Applications, and Guided Procedures. *Ultraschall in der Medizin* 2022: 43 (03); 252-273. **(ISI IF=6.548, Q1)**

11. Vulcan Talida, Filip Gabriela Adriana, **Lenghel Lavinia Manuela**, Suci Tudor, Ilut Paula, Procopciuc Lucia Maria. Polymorphisms of Vitamin D Receptor and the Effect on Metabolic and Endocrine Abnormalities in Polycystic Ovary Syndrome: A Review. *HORMONE AND METABOLIC RESEARCH* 2021; 53(10): 645-653 (ISI IF=2.936, Q3)
12. Fodor Daniela, Rodriguez-Garcia Sebastian C., Cantisani Vito, Hammer, Hilde B., Hartung Wolfgang, Klauser, Andrea, Martinoli Carlo, Terslev Lene, Alfageme Fernando, Bong David, Bueno Angel, Collado Paz, D'Agostino, Maria Antonietta, de la Fuente Javier, Iohom Gabriella, Kessler Jens, **Lenghel Manuela**, Malattia Clara, Mandl Peter, Mendoza-Cembranos Dolores, Micu Mihaela, Moller Ingrid, Najm Aurelie, Ozcakar Levent, Picasso Riccardo, Plagou Athena, Sala-Blanch Xavier, Sconfienza Luca Maria, Serban Oana, Simoni Paolo, Sudol-Szopinska Iwona, Tesch Christian, Todorov Plame, Uson Jacqueline, Vlad Violeta, Zaottini Federic, Bilous Diana, Gutiu, Roxana, Pelea Michael, Marian Anamaria, Naredo Esperanza. The EFSUMB Guidelines and Recommendations for Musculoskeletal Ultrasound - Part I: Extraarticular Pathologies. *Ultraschall in der Medizin European Journal of Ultrasound* 43 (01), 34-57 (ISI IF=6.548, Q1)
13. Haji-Hassan Mariam, **Lenghel Lavinia Manuela***, Bolboaca, Sorana D. Hand-Held Ultrasound of the Lung: A Systematic Review. *Diagnostics* 2021; 11(8); (ISI IF=3.706, Q2) (***autor principal**)
14. Muntean Delia, Dudea Sorin, Lenghel Manuela*, Solomon Carolina, Iuga Teodora, Rotar Horatiu. Mucosa-associated lymphoid tissue lymphoma of the parotid gland - a case report. *MedUltrason* 2021; 23(3):364-366 (ISI IF=1.611, Q3) (***autor principal**)
15. Csaba Csutak, Paul Andrei Ștefan, Roxana Adelina Lupean, **Lavinia Manuela Lenghel**, Carmen Mihaela Mihu, Andrei Lebovici. Computed tomography in the diagnosis of intraperitoneal effusions: The role of texture analysis. *Bosn J of Basic Med Sci* 2021; 21(4): 488-494 (ISI IF=3.363, Q3)
16. Csutak Csaba, Stefan Paul-Andrei, **Lenghel Lavinia Manuela**, Morosanu Cezar Octavian, Lupean Roxana-Adelina, Simonca Larisa, Mihu Carmen Mihaela, Lebovici Andrei. Differentiating High-Grade Gliomas from Brain Metastases at Magnetic Resonance: The Role of Texture Analysis of the Peritumoral Zone. *Brain Sciences* 2020; 10(9) (ISI IF=3.332, Q2)
17. Sebastian Stoia, Grigore Băciuț, **Manuela Lenghel**, Radu Badea, Mihaela Băciuț, Simion Bran, Dinu Cristian. Ultrasonography techniques in the preoperative diagnosis of parotid gland tumors—an updated review of the literature. *Med Ultrason* 2021;23 (2);194-202 (ISI IF=1.553, Q3)
18. Tiberiu Tamas, Cristian Dinu, **Manuela Lenghel**, Grigore Băciuț, Simion Bran, Sebastian Stoia, Mihaela Băciuț. The role of ultrasonography in head and neck Non-Melanoma Skin Cancer approach: an update with a review of the literature. *Med Ultrason* 2021; 23(1), 83-88 (ISI IF=1.553, Q3)
19. Sebastian Stoia, Grigore Băciuț, **Manuela Lenghel***, Radu Badea, Csaba Csutak, Georgeta Mihaela Rusu, Mihaela Băciuț, Tiberiu Tamaș, Emil Boțan, Gabriel Armencea, Simion Bran, Cristian Dinu. Cross-sectional imaging and cytologic investigations in the preoperative diagnosis of parotid gland tumors—An updated literature review. *Bosn J of Basic Med Sci* 2021; 21 (1);19 (**main author**) (ISI IF=2.05, Q3)
20. Daniel Talmaceanu, **Lavinia Manuela Lenghel***, Nicolae Bolog, Smaranda Buduru, Daniel Leucuta, Horatiu Rotar. High-resolution ultrasound imaging compared to magnetic resonance imaging for temporomandibular joint disorders: An in vivo study. *European Journal of Radiology* 2020; 132, 109291 (**autor principal**) (ISI IF=2.687, Q2)
21. Sabina Iluta, Dragos-Alexandru Termure, Bobe Petrushev, Bogdan Fetica, Mindra-Eugenia Badea, Madalina Moldovan-Lazar, **Manuela Lenghel**, Csaba Csutak, Andrei Roman, Sergiu Pasca, Alina-Andreea Zimta, Ciprian Jitaru, Ciprian Tomuleasa, Rares-Calin Roman. Clinical Remission in a 72-Year-Old Patient with a Massive Primary Cutaneous Peripheral T-Cell Lymphoma-NOS of the Eyelid, Following Combination Chemotherapy with Etoposide Plus COP. *Diagnostics* 2020; 10 (9), 629 (ISI IF=3.11, Q1)
22. Alexandra S Berghe, Simona C Șenilă, Liliana Rogojan, **Lavinia M Lenghel**, Sorana D Bolboacă, Carolina M Solomon. The accuracy of elastographic strain ratio and ultrasound thickness in the differentiation of thin and thick cutaneous melanoma. *Acta Radiologica* 2020; 61 (1), 93-100 (ISI IF=1.567, Q3)
23. Oana Șerban, Daniela Fodor, Iulia Papp, Mihaela Cosmina Micu, Dan Gabriel Duma, Csaba Csutak, **Manuela Lenghel**, Maria Bădărănză, Adriana Albu. Reasons for discordances between ultrasonography and magnetic resonance imaging in the evaluation of the ankle, hindfoot and heel of the patients with rheumatoid arthritis. *Medical ultrasonography* 21 (4), 405-413 (ISI IF=1.553, Q3)

24. Avram Manea, Grigore Baciut, Mihaela Baciut, Dumitru Pop, Dan Sorin Comsa, Ovidiu Buiga, Veronica Trombitas, Horatiu Colosi, Ileana Mitre, Roxana Bordea, Marius Manole, **Manuela Lenghel**, Simion Bran, Florin Onisor. New Dental Implant with 3D Shock Absorbers and Tooth-Like Mobility—Prototype Development, Finite Element Analysis (FEA), and Mechanical Testing. *Materials* 12 (20), 3444. (ISI IF=3.057, Q2)

25. Daniel Talmaceanu, **Lavinia Manuela Lenghel**, Nicolae Bolog, Roxana Popa Stanila, Smaranda Buduru, Daniel Corneliu Leucuta, Horatiu Rotar, Mihaela Baciut, Grigore Baciut. High-resolution ultrasonography in assessing temporomandibular joint disc position. *Med Ultrason* 2018;20(1): 64-70 (ISI IF=1.674, Q3)

26. Oana Serban, Mihai Porojan, Maria Deac, Flavia Cozma, Carolina Solomon, **Manuela Lenghel**, Mihaela C. Micu, Daniela Fodor. Pain in bilateral knee osteoarthritis – Correlations between clinical examination, radiological, and ultrasonographical findings. *Med Ultrason* 2016;18(3):318-325 (ISI IF=1.118, Q3)

27. **Lavinia Manuela Lenghel**, Grigore Baciut, Mihaela Baciut, Horatiu Rotaru, Simion Bran, Cristian Dinu, Carolina Botar-Jid, Mirela Gersak, Sorin M Dudea. The ultrasonographic diagnosis of cystic cervical lesions: a pictorial essay. *Med Ultrason* 2016;18(2):240-246 (ISI IF=1.118, Q3)

28. Gersak MM, Badea R, **Lenghel LM***, Vasilescu D, Botar-Jid C, Dudea SM. Influence of Food Intake on 2-D Shear Wave Elastography Assessment of Liver Stiffness in Healthy Subjects. *Ultrasound Med Biol.* 2016;42(6):1295-302 (*main author) (ISI IF=2.494, Q1)

29. Carolina M. Botar-Jid, Rodica Cosgarea, Sorana D. Bolboacă, Simona C. Şenilă, **Lavinia M. Lenghel**, Liliana Rogojan, Sorin M. Dudea. Assessment of Cutaneous Melanoma by Use of Very- High-Frequency Ultrasound and Real-Time Elastography. *AJR* 2016; 206(4): 699-704 (ISI IF=2.778, Q2)

30. Alexandra Daneasa, Cristina Cucolas, **Lavinia Manuela Lenghel**, Diana Olteanu, Remus Orasan, Gabriela A Filip. Letrozole vs estradiol valerate induced PCOS in rats: glycemic, oxidative and inflammatory status assessment. *Reproduction* 2016;151: 401–409 (ISI IF=3.1, Q2)

31. Mariana M Gersak, **Lavinia M Lenghel***, Grigore Baciut, Iuliu Moldovan, Horatiu Mitea, Carolina Botar Jid, Vasilescu Dan, Emil Botan, Sorin M. Dudea. Ultrasonography of the desmoplastic fibroma of the mandible; a case report. *Med Ultrason* 2015;17(3):407-410 (*main author) (ISI IF=1.167, Q3)

32. **Lavinia Manuela Lenghel**, Carolina Botar Jid, Sorana D. Bolboaca, Cristiana Ciortea, Dan Vasilescu, Grigore Baciut, Sorin M. Dudea. Comparative study of three sonoelastographic scores for differentiation between benign and malignant cervical lymph nodes. *Eur J Radiol* 2015;84: 1075-1082) (ISI IF=2.64, Q2)

33. Carolina Botar Jid, Sorana D. Bolboaca, Rodica Cosgarea, Simona Corina Senila, Liliana Rogojan, **Manuela Lenghel**, Dan Vasilescu, Sorin M. Dudea. Doppler ultrasound and strain elastography in the assessment of cutaneous melanoma: preliminary results. *Med Ultrason* 2015;17(4):509-514 (ISI IF=1.167, Q3)

34. Vasilescu D, Cosma D, Vasilescu DE, Botar Jid C, Gersak MM, **Lenghel M**, Dudea SM. A new sign in the standard hip ultrasound image of the Graf method. *Med Ultrason* 2015;17(2):206-210 (ISI IF=1.167, Q3)

35. Diana Ioana Feneşan, **Manuela Lenghel***, Grigore Băciuş, Sergiu Văcăraş, Carolina Botar Jid, Dan Vasilescu, Sorin Marian Dudea. Ultrasound and CT imaging features in a patient with salivary duct carcinoma of the parotid gland: a case report with literature review. *Med Ultrason* 2015;17(1):118-121. (*main author) (ISI IF=1.167, Q3)

36. Irina Sandu, **Manuela Lenghel***, Grigore Băciuț, Cristian Dinu, Carolina Botar-Jid, Dan Vasilescu, Sorin M. Dudea. Misleading appearance in cervical lymph node US diagnosis – a report on sarcoidosis, Warthin tumor and squamous cell carcinoma metastases. Medical Ultrasonography 2014, 16 (2): 182-185. (*main author) **(ISI IF= 1.108, Q3)**

37. Maria Cuciș, Maria Crișan, Manuela Lenghel, Marina Dudea, Roxana Croitoru, Sorin M. Dudea. Conventional ultrasonography and sonoelastography in the assessment of plaque psoriasis under topical corticosteroid treatment – work in progress. Med Ultrason 2014; 16 (2):107-113 **(ISI IF=1.108, Q3)**

38. **Lavinia Manuela Lenghel**, Grigore Baciut, Carolina Botar-Jid, Dan Vasilescu, Anca Bojan, Sorin M. Dudea. Ultrasonographic identification of the anatomical landmarks that define cervical lymph nodes spaces. Medical Ultrasonography 2013; 15(1): 29-34 **(ISI)**

39. Sorin M. Dudea, Carolina Botar-Jid, Dana Dumitriu, Dan Vasilescu, Simona Manole, **Manuela Lavinia Lenghel***. Differentiating benign from malignant superficial lymph nodes with sonoelastography. Medical Ultrasonography 2013, Vol.15, no.2, 132-139 (*main author) **(ISI)**

40. **Lavinia Manuela Lenghel**, Sorana D. Bolboacă, Carolina Botar-Jid, Grigore Băciuț, Sorin M. Dudea. The value of a new score for sonoelastographic differentiation between benign and malignant cervical lymph nodes. Medical Ultrasonography 2012; 14(4): 271-277. **(ISI)**

41. Sorin M. Dudea, **Manuela Lenghel**, Carolina Botar-Jid, Dan Vasilescu, Magdalena Duma. Ultrasonography of superficial lymph nodes: benign vs. malignant. Medical Ultrasonography 2012; 14 (4): 294-306. **(ISI)**

42. **Manuela Pop**, Carolina Botar-Jid, Cristina Hoțoleanu, Dan Vasilescu, Silviu Sfrângeu. Superficial leiomyosarcoma of the scalp: case report. Medical Ultrasonography 2011; 13(2): 240-243 **(ISI)**

43. Carolina Botar Jid, **Manuela Pop**, Rodica Cosgarea, Dan Vasilescu, Simona Senila. Answer to quiz vol 13, no. 1. Small part tumor in a 37-year old women. Malignant melanoma of the right lumbar region with "in transit" metastases. Medical Ultrasonography 2011; 13(2): 176-177 **(ISI)**

44. Carolina Botar Jid, **Manuela Pop**, Rodica Cosgarea, Dan Vasilescu, Simona Senila. Quiz- Small part tumor in a 37-year old women. Medical Ultrasonography 2011; 13(1): 85-87 **(ISI)**

B+ indexed articles:

1. Ioana Maria Colceriu-Șimon, Mihaela Băciuț, Rareș Ionuț Știufiuc, Alexandra Aghiorghiesei, Viorica Țărmure, **Manuela Lenghel**, Mihaela Hedeșiu, Grigore Băciuț. Clinical indications and radiation doses of cone beam computed tomography in orthodontics. Medicine and pharmacy reports 2019; 92 (4), 346

2. Băbțan AM, Boșca AB, Crișan M, **Lenghel M**, Cămpian RS, Ilea A. Ultrasound Investigation in Congenital Masseter Hypertrophy. Biomed J Sci&Tech Res 2018;6(3): 1-7. DOI: 10.26717/ BJSTR.2018.06.001349

3. Daniel Talmaceanu, **Lavinia Manuela Lenghel**, Nicolae Bolog, Mihaela Hedeșiu, Smaranda Buduru, Horatiu Rotar, Mihaela Baciut, Grigore Baciut. Imaging modalities for temporomandibular joint disorders: Clujul Medical 2018; 91(3): 280-287 DOI: 10.15386/cjmed-970

4. Andrei Lebovici, Maria M. Duma, **Lavinia M. Lenghel**, Laura Urian, Bogdan Fetica, Silviu A. Sfrangeu. Bilateral orbital lymphoma: A diagnostic odyssey through surreal clinical and imaging features plus therapeutic implications. Acta haematologica Polonica 07/2014; DOI: 10.1016/j.achaem.2014.01.005

Carti publicate:

1. Georgeta Mihaela Rusu, **Manuela Lavinia Lenghel**, Diana Feier. Magnetic Resonance Imaging (course notes for the students). Ed. Medicala Universitara "Iuliu Hațieganu" Cluj-Napoca, 2016. ISBN: 978-973-693-732-3

Capitole in carti de specialitate

1. Mihaela Hedesiu, Loredana Bogdan, **Manuela Lenghel**, Cristian Dinu. Notiuni de radiobiologie. In: Radiologie orala. Ghid practic de tehnica, anatomie si semiologie radiologica. Ed Medicala, Bucuresti, 2021: 361-378, ISBN 978-973-39-0901-9

2. Manuela Lenghel, Carolina Solomon. Orbita, laringele si tiroida. In: Ducea SM. Radiologie vol II. Ed. Medicala Universitara "Iuliu Hațieganu" Cluj-Napoca, 2018:257-263, ISBN 978-973-693-877-1

3. Manuela Lenghel, Carolina Solomon. Ganglionii cervical si viscerocraniul. Semiologia principalelor modificari radioimagistice. In: Ducea SM. Radiologie vol II. Ed. Medicala Universitara "Iuliu Hațieganu" Cluj-Napoca, 2018:264-268, ISBN 978-973-693-877-1

4. Daniela Fodor, **Manuela Lenghel**. Musculoskeletal tumors. In: D. Fodor (eds). Musculoskeletal ultrasound. Vol II. Clinical applications of musculoskeletal ultrasound. Ed. Librex, 2018:225-256, ISBN 978-606-8894-69-0

5. Maria Magdalena Tamas, Carolina Solomon, **Manuela Lenghel**. New techniques used in musculoskeletal ultrasound. In: D. Fodor (eds). Musculoskeletal ultrasound. Vol II. Clinical applications of musculoskeletal ultrasound. Ed. Librex, 2018:225-256, ISBN 978-606-8894-69-0

6. **Manuela Lenghel**. Anatomie radiologica. In: Ducea SM. Radiologie. Vol I. Ed. Medicala Universitara "Iuliu Hațieganu" Cluj-Napoca, 2018, ISBN: 978-973-693-806-1

7. Carolina Solomon, **Manuela Lenghel**, Sorin M. Ducea. Inflamatiile sistemului musculoscheletal. In: Ducea SM. Radiology. Vol I. Ed. Medicala Universitara "Iuliu Hațieganu" Cluj-Napoca, 2018, ISBN: 978-973-693-806-1

8. **Manuela Lenghel**, Sorin M. Ducea. Anatomia descriptiva, radioimagistica si variantele anatomice ale sinusurilor paranazale, ale cavitatii bucale, faringelui si laringelui, ale glandelor salivare, ale galndei tiroide si paratiroidelor, ale apexului toracic, plexului brahial, orbitei si cailor vizuale, ale dintilor si articulatiei temporo-mandibulare. Ed. Medicala Bucuresti, 2015, 263-274, ISBN: 978-973-39-0798-5.

9. **Manuela Lenghel**. Anatomia descriptiva, radioimagistica si variantele anatomice ale scheletului facial, bazei craniului, nervilor cranieni; delimitarea segmentelor traiectului nervului facial. Ed. Medicala Bucuresti, 275-281, ISBN: 978-973-39-0798-5.

10. **Manuela Lenghel**, Sorin M. Ducea. Anatomia descriptiva, radioimagistica si clasificarea statiilor limfoganglionare cervicale. Ed. Medicala Bucuresti, 2015, 281, ISBN: 978-973-39-0798-5.

11. **Manuela Lenghel**, Sorin M. Ducea. Diagnosticul radioimagistic al anomaliiilor congenitale ale orbitei, sinusurilor paranazale, malformatiilor vasculare si al altor malformatii ale capului si gatului; anomaliiile congenitale care duc la surditate. Ed. Medicala Bucuresti, 2015, 285-290, ISBN: 978-973-39-0798-5.

12. **Manuela Lenghel**, Sorin M. Ducea. Diagnosticul radioimagistic in: tiroidite; gusa multinodulara; tumorile benigne si malgine ale glandei tiroide si paratiroide (adenoame, cancer tiroidian, limfom tiroidian). Ed. Medicala Bucuresti, 2015, 361-366, ISBN: 978-973-39-0798-5.

13. **Manuela Lenghel**, Sorin M. Ducea. Diagnosticul radioimagistic al carcinomului esofagian cervical si diverticulului Zenker. Ed. Medicala Bucuresti, 2015, 370, ISBN: 978-973-39-0798-5.

14. **Manuela Lenghel**, Sorin M. Ducea. Diagnosticul radioimagistic al: infectiilor si inflamatiilor spatiului parotidian (parotidita, oreion, abcese, sindromul Sjogren si leziuni benigne la pacientii cu HIV); litiazei parotidiene,; tumorilor benigne si maligne ale spatiului parotidian. Ed. Medicala Bucuresti, 2015, 389-394, ISBN: 978-973-39-0798-5.

15. **Manuela Lenghel**, Sorin M. Ducea (2015). Diagnosticul radioimagistic al: chistelor de retentie, sialocel, sialadenita si ranula; inflamatiilor cavitatii bucale si orofaringelui; abceselor retrofaringiene. Ed. Medicala Bucuresti, 2015, 403-405, ISBN: 978-973-39-0798-5.

16. **Manuela Lenghel**, Sorin M. Ducea (2015). Diagnosticul radioimagistic al inflamatiilor ganglionilor limfatici (hipertrofii reactive, supuratii, boala Kimura, boala Castelman); patologiei tumorale a ganglionilor limfatici (limfoame, metastaze). Ed. Medicala Bucuresti, 2015, 420-423, ISBN: 978-973-39-0798-5.

Manifestari stiintifice - lector invitat:

1. **Manuela Lenghel**. Patologia glandei tiroide și a limfonodulilor cervicali. Școala de vară în Radiologie și Imagistică Medicală a Societății de Radiologie și Imagistică Medicală din România, 17-20 Iunie, Covasna, 2015

2. **Manuela Lenghel**. Valoarea diagnostică a unui scor elastografic original propus pentru diferențierea caracterului benign-malign al adenopatiilor cervicale. Al XX-lea Congres Național de Radiologie și Imagistică Medicală, 24-26 Septembrie, Timisoara, 2015

3. **Manuela Lenghel**. Analiza criteriilor ecografice bidimensionale, Doppler și elastografice pentru diferențierea caracterului benign /malign al limfadenopatiilor cervicale. Al XX-lea Congres Național de Radiologie și Imagistică Medicală, 24-26 Septembrie, Timisoara, 2015

Prezentari orale – Manifestari Internationale:

1. D. Talmaceanu, **L.M. Lenghel***, G. Baciut, M. Baciut, H. Rotar, N. Bolog, S. Buduru, L. Daniel, S. Ducea. The diagnostic value of ultrasonography in assessing temporomandibular joint disc position. European Congress of Radiology, Viena, 28 Februarie-4 Martie, 2018, Book of abstracts. Insights Imaging (2018) 9(Suppl 1): <https://doi.org/10.1007/s13244-018-0603-8> ISSN 1869-4101 (*prezentator)

2. **Lavinia Manuela Lenghel**, Carolina Botar Jid, Cristiana Ciortea, Dan Vasilescu, Grigore Băciuț, Sorin M. Ducea. Comparative analysis of three sonoelastographic scores for differentiation between benign and malignant cervical lymph nodes. Euroson 6-8 Noiembrie, 2015, Atena

3. **Manuela Lenghel**, Sorana Bolboaca, Grigore Baciut, Horatiu Rotaru, Mihaela Baciut, Simion Bran, Cristian Dinu, Iuliu Moldovan, Sergiu Vacaras, Sorin M. Ducea. The diagnostic value of real-time sonoelastography for the differentiation between benign and metastatic cervical lymph nodes. 14th European Congress of Dento-Maxillo-Facial Radiology, Iunie 26-28, 2014, Cluj-Napoca, Romania

4. **Manuela Lenghel**, Sorana Bolboacă, Carolina Botar-Jid, Dan Vasilescu, Grigore Băciuț, Sorin M. Ducea. The value of a new sonoelastographic score for the differentiation between benign and malignant cervical lymph nodes. The 26th Congress of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB). The 32th Annual Meeting of the Israel Society for Diagnostic Ultrasound in Medicine. 26-28 Mai, 2014, Tel-Aviv

5. **L.M. Lenghel**, G. Baciut, A. Bojan, C. Botar-Jid, D. Vasilescu, D. Feier, S.M. Ducea. The value of ultrasonographic criteria for the differential diagnosis between benign and malignant cervical lymph nodes. European Congress of Radiology, Viena, 6-10 Martie, 2014 Book of abstracts. Insights into Imaging (2014) 5 (Suppl 1): S 221, ISSN: 1869-4101.

5. **Manuela Pop**, Adrian Brumboiu, Carolina Botar-Jid, Dan Vasilescu, Silviu Sfrangeu, Sorin M. Ducea. CT and MRI aspects of glioblastoma multiformae. The XVIIth National Congress of Radiology and Medical Imaging; The IXth Balkan Congress of Radiology, Cluj-Napoca, 7–9 Octombrie, 2011. Book of abstracts. 86

Prezentari orale – Manifestari Nationale:

1. **Manuela Lenghel**, Carolina Solomon, Grigore Baciut, Horatiu Rotar, Cristian Dinu, Simion Bran, Rares Roman, Sergiu Vacaras, Sorin M. Ducea. The ultrasonographic differential diagnosis of superficial lymph nodes. The XXIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Brasov, 17-19 May 2018

2. **Manuela Lenghel**, Carolina Solomon, Sorin M. Ducea. The ultrasonographic differential diagnosis of the thyroid nodule. The XXIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Brasov, 17-19 May 2018

3. Horatiu Rotar, **Manuela Lenghel***, Rares Roman, Cristian Dinu, Carolina Solomon, Grigore Baciut, Sorin M. Ducea. Pathological aspects of the salivary glands and cervical lymph nodes: clinical and ultrasonographic correlations. The XXIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Brasov, 17-19 May 2018 (*presenter)

4. **Manuela Lenghel**, Carolina Solomon, Horatiu Rotar, Cristian Dinu, Rares Roman, Grigore Baciut, Sorin M. Ducea. Elastography of the superficial lymph nodes. The XXIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Brasov, 17-19 May 2018

5. **Manuela Lenghel**, Grigore Baciut, Mihaela Baciut, Carolina Solomon, Cristian Dinu, Horatiu Rotar, Simion Bran, Sorin M. Ducea. The ultrasonographic evaluation of the small parts of the cheek, nasal and sinusal regions. The IIIrd National Conference of Roumanian Imaging Society of ORL, Bucharest, 11-13 May 2018

6. **Lavinia Manuela Lenghel**, Carolina Solomon, Grigore Băciuț, Sorana Bolboacă, Dan Vasilescu, Cristiana Ciortea, Sorin M. Ducea. The analysis of ultrasonographic criteria for the differentiation of benign/malignant character of cervical lymph nodes. The XIXth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Craiova, 23 - 25 June 2016

6. **Lavinia Manuela Lenghel**, Cristian Dinu, Sorin M. Ducea. The ultrasonographic diagnosis of the tumors of the major salivary glands. The XIXth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Craiova, 23 - 25 Iunie 2016

7. **Lavinia Manuela Lenghel**, Sorin M. Ducea. The ultrasonographic diagnosis of the cystic cervical lesions. Syllabus: Summer school “ Current ultrasonographic techniques ” – the IVth edition. Coordinators: Ioan Tiberiu Tofolean, Radu Bdea. The XVIIIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology, Constanța, 25 - 27 June 2015, 104-108, ISBN 978-973- 0-14874-9

8. **Manuela Lenghel**, Carolina Botar-Jid, Dan Vasilescu, Sorin M. Dudea. Sonoelastography of the superficial lymph nodes. Syllabus: Current ultrasonographic techniques: CEUS, elastography, Ecoendoscopy. European ENDORSED Course EFSUMB, Course director: Sorin M. Dudea, co-directors: Radu I. Badea, Adrian Săftoiu, The XVIth National Conference of Romanian Society of Ultrasonography in Medicine and Biology Oradea, 30 May - 1 June 2013, 104-108, ISBN 978-973- 0-14874-9
9. **Manuela Lenghel**, Grigore Baciut, Sorin. M. Dudea. The ultrasonographic evaluation of major salivary glands. The Fourth Edition of Winter School of the Society of Neuroradiology and Interventional Radiology from Romania. Predeal, 29-30 November 2013
10. **Manuela Lenghel**, Sorin Marian Dudea. Sonoelastography of the superficial lymph nodes. IXth Romanian Congress Of Radiology and Medical Imaging, Vth National Congress of Magnetic Resonance Imaging, VIIth National Congress of SIMSR (Romanian Society of Musculoskeletal Imaging), VIIIth Symposium of the Romanian Chapter of ISMRM (International Society for Magnetic Resonance in Medicine). Bucharest, 10 - 13 October 2013. Book of abstracts 65-66
11. **Manuela Pop**, Carolina Botar-Jid, Dan Vasilescu, Sorin M. Dudea. The ultrasonographic identification of the anatomical landmarks for the delimitation of the cervical lymphatic spaces. The anual meeting of the Group of Sectional Imaging, Sovata, 25-27 May 2012
12. **Manuela Pop**, Adrian Brumboiu, Carolina Botar-Jid, Dan Vasilescu, Silviu Sfrangeu. Adrenocortical carcinoma: a case report. "20 years of CT activity in Transilvania" Targu-Mures, 11-14 May 2011;
13. **Manuela Pop**, Carolina Botar-Jid, Cristina Hoțoleanu, Dan Vasilescu, Sorin M. Dudea. Superficial leiomyosarcoma of the scalp: case report. "The 14th National Conference of Romanian Society of Ultrasonography in Medicine and Biology" Targu-Mures, 10-12 June 2011.

Proiecte de cercetare internationale - membru:

Titlu proiect: Innovative Technological Approaches for validation of Salivary AGEs as novel biomarkers in evaluation of risk factors in diet-related diseases (acronym: SALIVAGES). **ERA HDHL – Biomarkers for Nutrition and Health**. COFUND-ERA-HDHL nr. 25/2017. Martie-Mai 2018

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