

## LISTA DE LUCRARI

DR. Liviu MORARU

SEF DE LUCRARI - DISCIPLINA DE ANATOMIE – EMBRIOLOGIE - CATEDRA ME1

FACULTATEA DE MEDICINA IN LIMBA ENGLEZA

UMFST „GEORGE EMIL PALADE” din TARGU-MURES

### A. LISTA 10 LUCRARI RELEVANTE (prin prisma numarului de citari WOS)

1. Gheorghe A Pop, Zu-yao Chang, Cornelis J Slager, Bert-Jan Kooij, Elza D van Deel, **Liviu Moraru**, Jan Quak, Gerard Mejer, Dirk J Dunker. **Catheter-Based Impedance Measurements in the Right Atrium for Continuously Monitoring Hematocrit and estimating Blood Viscosity Changes; An In Vivo Feasibility Study in Swine.** *Biosensors and Bioelectronics*. 2004;19:1685-1693.
2. Judit Kovacs, **Liviu Moraru**, Krisztina Antal, Adrian Cioc, Septimiu Voidazan, Attila Szabo. **Are Frailty Scales Better Than Anesthesia or Surgical Scales to Determine Risk in Cardiac Surgery ?.** *Korean Journal of Anesthesiology*. 2017;70(2):157-162.
3. GAM Pop, TLM de Backer, M de Jong, PC Struijk, **L Moraru**, Z Chang, HG Goovaerts, C Slager, AJJC Bogers. **On-line Electrical Impedance Measurement for Monitoring Blood Viscosity During On-Pump Heart Surgery.** *European Surgical Research*. 2004; 36(5):259-265.
4. **Moraru L**, Mitranovici M-I, Chiorean DM, Coroş M, Moraru R, Oală IE, Turdean SG. **Immature Teratoma: Diagnosis and Management—A Review of the Literature.** *Diagnostics*. 2023; 13(9):1516.

5. Munteanu GZ, Munteanu ZVI, Roiu G, Daina CM, Moraru R, **Moraru L**, Trambitas C, Badau D, Daina LG. **Aspects of Tertiary Prevention in Patients with Primary Open Angle Glaucoma.** *Journal of Personalized Medicine*. 2021; 11(9):830.
6. Ioan Emilian Oala, Melinda-Ildiko Mitranovici, Diana Maria Chiorean, Traian Irimia, Andrada Ioana Crisan, Ioana Marta Melinte, Teodora Cotrus, Vlad Tudorache, **Liviu Moraru**, Raluca Moraru, Laura Caravia, Mihai Morariu, Lucian Puscasiu. **Endometriosis and the Role of Pro-Inflammatory and Anti-Inflammatory Cytokines in Pathophysiology: A Narrative Review of the Literature.** *Diagnostics*. 2024, 14, 312.
7. Gherghel A, Badau D, Badau A, **Moraru L**, Manolache GM, Oancea BM, Tifrea C, Tudor V, Costache RM. **Optimizing the Explosive Force of the Elite Level Football-Tennis Players through Plyometric and Specific Exercises.** *International Journal of Environmental Research and Public Health*. 2021; 18(15):8228.
8. Mitranovici M-I, Chiorean DM, Mureşan MC, Buicu C-F, Moraru R, **Moraru L**, Cotoi TC, Cotoi OS, Toru HS, Apostol A, et al. **Diagnosis and Management of Dysgerminomas with a Brief Summary of Primitive Germ Cell Tumors.** *Diagnostics*. 2022; 12(12):3105.
9. **Moraru L**, Mitranovici M-I, Chiorean DM, Moraru R, Caravia L, Tiron AT, Cotoi OS. **Adenomyosis and Its Possible Malignancy: A Review of the Literature.** *Diagnostics*. 2023; 13(11):1883.
10. Victor Raicea, Judith Kovacs, **Liviu Moraru**, Horatiu Suci. **Coronary Sinus Lactate as Marker of Myocardial Ischemia in Cardiac Surgery: Correlation with Morbidity and Mortality after Cardiac Surgery.** *Rev Rom Med Lab*. 2015;23(2):189-197.

**B. TEZA DE DOCTORAT:**

**„ARTERA RADIALA – GREFON PENTRU REVASCULARIZAREA CHIRURGICALA A MIOCARDULUI IN EXPERIENTA CLINICII DE CHIRURGIE CARDIO-VASCULARA TARGU-MURES”, 2011, conducator stiintific PROF. DR. Radu DEAC, UMF din Targu-Mures, calificativ „foarte bine”.**

**C. CARTI SI CAPITOLE IN CARTI PUBLICATE IN EDITURI RECUNOSCUTE CNCIS SAU IN ALTE EDITURI CU ISBN:**

**AUTOR PRINCIPAL CARTE / CAPITOL CARTE (dupa ultima promovare 2012)**

1. Horatiu Suciu, **Liviu Moraru**. **Actualitati in Revascularizarea Chirurgicala a Miocardului**. Editura Casa Cartii de Stiinta Cluj Napoca, 2014, 107 pg., cod CNCIS 24, ISBN 978-606-17-0470-5
2. Mircea Muresan, Klara Brinzaniuc, **Liviu Moraru**, Simona Muresan. **Functional Anatomy of the Abdominal Cavity**. Editura University Press Tg. Mures, 2014, 136 pg., cod CNCIS 210, ISBN 978-973-169-280-7
3. Gregory D. Sloop, Gheorghe Pop, Joseph Weidman, **Liviu Moraru** and John St. Cyr. **The role of blood viscosity in health and disease** - Chapter 25 – 22 pg. (305 - 327) in **Cardiometabolic Diseases**. Academic Press Elsevier, 2024, 529 pg., ISBN 978-0-323-95469-3

**CO-AUTOR CARTE (dupa ultima promovare 2012):**

1. Mureșan Mircea, Brînzaniuc Klara, Deneș Lorand, **Moraru Liviu**, Suciu Bogdan, Halmaciu Anca. **Bones of the Human Body**. Editura University Press Tg. Mures, 2019, 70 pg, cod CNCIS 210, ISBN 978-973-169-587-7
2. Mureșan Mircea, Brînzaniuc Klara, Deneș Lorand, **Moraru Liviu**, Balmoș Ioan Alexandru, Al-Husseim Hussam, Moraru Raluca. **Limbs Anatomy**. Editura University Press, Tg. Mures, 2019, 225 pg., cod CNCIS 210, ISBN 978-973-169-588-



**CO-AUTOR CAPITOL CARTE (inainte de ultima promovare 2012):**

1. Victor Raicea, **Liviu Moraru**, Radu Deac. **Circulatia Extracorporeala**. Cap. 6 - 10 pg. (127 – 137), in **Tratat de Chirurgie (sub redactia Irinel Popescu) – Chirurgie CardioVasculara (Vol. VII - Coordonator Radu Deac)**. Editura Academiei Romane, Bucuresti, 2009, cod CNCIS 164, ISBN 978-973-27-1762-2
2. Ioan Tilea, **Liviu Moraru**, Radu Deac. **Afectiunile Arteriale Periferice**. Capitol 21 – 54 pg. (515 – 569), in **Tratat de Chirurgie (sub redactia Irinel Popescu) – Chirurgie CardioVasculara (Vol. VII - Coordonator Radu Deac)**. Editura Academiei Romane, Bucuresti, 2009, cod CNCIS 164, ISBN 978-973-27-1762-2

**ARTICOLE STIINTIFICE**

- a. Articole **EXTENSO** din **REVISTE** indexate **ISI**, **CU FACTOR DE IMPACT**:

**AUTOR PRINCIPAL - ARTICOLE ISI CU FACTOR DE IMPACT**

1. **Liviu Moraru**, Melinda Ildiko Mitranovici, Raluca Moraru, Septimiu Voidazan, Mihai Munteanu, Rares Georgescu, Dan Costachescu, Sabin Gligore Turdean. **Combining Molecular and Traditional Prognostic Factors: A Holistic Approach to Breast Cancer Prognostication**. *Diagnostics* 2024, 14(13), 1449.  
<https://doi.org/10.3390/diagnostics14131449>  
ISSN: 2075-4418 , FI: 3,0 , Q1 - **ORIGINAL RESEARCH**
2. **Liviu Moraru**, Oana Mirea, Despina Toader, Mihaela Berceanu, Soruna Soldea, Alexandru Munteanu, Ionut Donoiu, Victor Raicea. **Lower Limit of Normality of Segmental Multilayer Longitudinal Strain in Healthy Adult Subjects**. *J. Cardiovasc. Dev. Dis.* 2024, 11(4), 102.  
<https://doi.org/10.3390/jcdd11040102>  
ISSN: 2308-3425 , FI: 2,4 , Q2 - **ORIGINAL RESEARCH**
3. **Liviu Moraru**, Adela Badau, Claudiu Mereuta, Carmen Gheorghe, Dana Badau. **Identification of asymmetries between longitudinal parameters and anthropometric proportionality ratios in children aged between 7 – 10 years**. *Balneo and PRM Research Jounpl.* 2024, 15, 1.

<https://doi.org/10.12680/balneo2024.678>

ISSN 2734-844X , FI: 0,7 , Q4 - **ORIGINAL RESEARCH**

4. Mihaela-Alexandra Budianu, **Liviu Moraru**, Andrada Larisa Roiban, Bogdan-Mihai Budianu, Judith Kovacs, Melinda-Ildiko Mitranovici, Septimiu Voidazan. **The Risk of Death among Patients with Healthcare associated Infections and Cardiovascular Diseases Admitted to the Intensive Care Unit in Romania.** *Journal of Cardiovascular Emergencies* 2024;10(2):71-77.  
<https://doi.org/10.2478/jce-2024-0001>  
ISSN 2457-5518 , FI: 0,6 , Q4 , **AUTOR CORESPONDENT, ORIGINAL RESEARCH**
5. **Moraru L**, Mitranovici M-I, Chiorean DM, Moraru R, Caravia L, Tiron AT, Cotoi OS. **Adenomyosis and Its Possible Malignancy: A Review of the Literature.** *Diagnostics.* 2023; 13(11):1883.  
<https://doi.org/10.3390/diagnostics13111883>  
ISSN: 2075-4418 , FI: 3,0 , Q2 - **REVIEW**
6. **Moraru L**, Mitranovici M-I, Chiorean DM, Coroş M, Moraru R, Oală IE, Turdean SG. **Immature Teratoma: Diagnosis and Management—A Review of the Literature.** *Diagnostics.* 2023; 13(9):1516.  
<https://doi.org/10.3390/diagnostics13091516>  
ISSN: 2075-4418 , FI: 3,0 , Q2 - **REVIEW**
7. Tiron AT, Briceag AF, **Moraru L**, Bălăceanu LA, Dina I, Caravia L. **Management of Postpartum Extensive Venous Thrombosis after Second Pregnancy.** *Medicina.* 2023; 59(5):871.  
<https://doi.org/10.3390/medicina59050871>  
ISSN 1648-9144 , FI: 2,4 , Q3 , **AUTOR CORESPONDENT, CASE REPORT**
8. Badau D, Badau A, Manolache G, Ene MI, Neofit A, Grosu VT, Tudor V, Sasu R, Moraru R, **Moraru L.** **The Motor Impact of the Static Balance in the Up Plank Position on Three Different Balls in Physical Activities of Physical Education Students.** *International Journal of Environmental Research and Public Health.* 2021; 18(4):2043.  
<https://doi.org/10.3390/ijerph18042043>



ISSN 1660-4601 , FI: 4,6 , Q2 -- **ORIGINAL RESEARCH**

9. Badau D, Badau A, Trambitas C, Trambitas-Miron D, Moraru R, Stan AA, Oancea BM, Turcu I, Grosu EF, Grosu VT, Daina LG, Daina CM, Suteu CL and **Moraru L. Differences between Active and Semi-Active Students Regarding the Parameters of Body Composition Using Bioimpedance and Magnetic Bioresonance Technologies.** *International Journal of Environmental Research and Public Health*. 2021; 18(15):7906.

<https://doi.org/10.3390/ijerph18157906>

ISSN 1660-4601, FI: 4,6 , Q2 - **ORIGINAL RESEARCH**

10. Munteanu GZ, Munteanu ZVI, Roiu G, Daina CM, Moraru R, **Moraru L**, Trambitas C, Badau D, Daina LG. **Aspects of Tertiary Prevention in Patients with Primary Open Angle Glaucoma.** *Journal of Personalized Medicine*. 2021; 11(9):830.

<https://doi.org/10.3390/jpm11090830>

ISSN 2075-4426, FI: 3 , Q2 , **AUTOR CORRESPONDENT, ORIGINAL RESEARCH**

#### **CO – AUTOR - ARTICOLE ISI CU FACTOR DE IMPACT**

1. Melinda-Ildiko Mitranovici, Diana Maria Chiorean, Raluca Moraru, **Liviu Moraru**, Laura Caravia, Andreea Taisia Tiron, Marius Craina, Ovidiu Simion Cotoi. **Understanding the Pathophysiology of Preeclampsia: Exploring the Role of Antiphospholipid Antibodies and Future Directions.** *J. Clin. Med.* **2024**, 13(9), 2668.

<https://doi.org/10.3390/jcm13092668>

ISSN 2077-0383 , FI: 3 , Q2 - **REVIEW**

2. Melinda-Ildiko Mitranovici, Diana Marian Chiorean, **Liviu Moraru**, Raluca Moraru, Laura caravia, Andreea Taisia Tiron, Tatiana Cornelia Cotoi, Havva Serap Toru, Ovidiu Simion Cotoi. **Shared Pathogenic and Therapeutic Characteristics of Endometriosis, Adenomyosis, and Endometrial Cancer: A Comprehensive Literature Review.** *Pharmaceuticals* 2024, 17, 311.

<https://doi.org/10.3390/ph17030311>

ISSN 1424-8247 , FI: 4,3 , Q2 - **REVIEW**

3. Ioan Emilian Oala, Melinda-Ildiko Mitranovici, Diana Maria Chiorean, Traian Irimia, Andrada Ioana Crisan, Ioana Marta Melinte, Teodora Cotrus, Vlad Tudorache, **Liviu Moraru**, Raluca Moraru, Laura Caravia, Mihai Morariu, Lucian Puscasiu. **Endometriosis and the Role of Pro-Inflammatory and Anti-Inflammatory Cytokines in Pathophysiology: A Narrative Review of the Literature.** *Diagnostics*. 2024, 14, 312.  
<https://doi.org/10.3390/diagnostics14030312>  
ISSN 2075-4418 , FI: 3 , Q2 - **REVIEW**
4. Szabo T, Mitranovici M-I, Crisan A, Melinte IM, Cotrus T, Tudorache V, **Moraru L**, Moraru R, Micu R. **Exploring Patient Adherence to Post-Surgical Follow-Up in Pelvic Endometriosis.** *Medicina*. 2023; 59(7):1210.  
<https://doi.org/10.3390/medicina59071210>  
ISSN 1648-9144 , FI: 2,4 , Q2 - **ORIGINAL RESEARCH**
5. Chiorean DM, Mitranovici M-I, Mureșan MC, Buicu C-F, Moraru R, **Moraru L**, Cotoi TC, Cotoi OS, Apostol A, Turdean SG, et al. **The Approach of Artificial Intelligence in Neuroendocrine Carcinomas of the Breast: A Next Step towards Precision Pathology?—A Case Report and Review of the Literature.** *Medicina*. 2023; 59(4):672.  
<https://doi.org/10.3390/medicina59040672>  
ISSN: 1648-9144 , FI: 2,4 , Q3 - **CASE REPORT**
6. Mitranovici M-I, Chiorean DM, Turdean SG, Mureșan MC, Buicu C-F, Moraru R, **Moraru L**, Cotoi TC, Toru HS, Apostol A, et al. **A Rare Case of Malignant Ovarian Germ Cell Tumor: Dysgerminoma and Seminoma in the Same Patient.** *Reports*. 2023; 6(1):14.  
[DOI: 10.3390/reports6010014](https://doi.org/10.3390/reports6010014)  
ISSN 2571-841X , FI: 0,8 , Q3 - **CASE REPORT**
7. Mitranovici M-I, Chiorean DM, Mureșan MC, Buicu C-F, Moraru R, **Moraru L**, Cotoi TC, Cotoi OS, Toru HS, Apostol A, et al. **Diagnosis and Management of Dysgerminomas with a Brief Summary of Primitive Germ Cell Tumors.** *Diagnostics*. 2022; 12(12):3105.  
<https://doi.org/10.3390/diagnostics12123105>  
ISSN 2075-4418 , FI: 3 , Q2 - **REVIEW**



8. Horatiu Suciu, Marius Mihai Harpa, **Liviu Moraru**, Andrei Dan Raicea, Victor Cornel Raicea. **Surgical Treatment for Patent Ductus Arteriosus in Adult Patients: a Single Center Experience.** *Rom J Morphol Embryol.* 2022; 63(4):633-638.

[DOI: 10.47162/RJME.63.4.05](https://doi.org/10.47162/RJME.63.4.05)

ISSN 1220-0522 , FI: 1,2 , Q4 - ORIGINAL RESEARCH -

**ECHIVALARE CU 2 ARTICOLE BDI**

9. Gregory D Sloop, Gheorghe A. Pop, Joseph J. Weidman, **Liviu Moraru**, John A. St. Cyr. **From the Oligonucleotide purUUpurU to Cytokine Storm, Elevated Blood Viscosity, and Complications of Coronavirus Disease 2019.** *Cureus.* 2022; 14(6):e25852.

[DOI:10.7759/cureus.25852](https://doi.org/10.7759/cureus.25852)

ISSN 2168-8184 , FI: 1 , Q3 - ORIGINAL RESEARCH

10. Gherghel A, Badau D, Badau A, **Moraru L**, Manolache GM, Oancea BM, Tifrea C, Tudor V, Costache RM. **Optimizing the Explosive Force of the Elite Level Football-Tennis Players through Plyometric and Specific Exercises.** *International Journal of Environmental Research and Public Health.* 2021; 18(15):8228.

<https://doi.org/10.3390/ijerph18158228>

ISSN 1660-4601 , FI: 4,6 , Q2 - ORIGINAL RESEARCH

11. Victor Raicea, Judith Kovacs, **Liviu Moraru**, Horatiu Suciu. **Coronary Sinus Lactate as Marker of Myocardial Ischemia in Cardiac Surgery: Correlation with Morbidity and Mortality after Cardiac Surgery.** *Rev Rom Med Lab.* 2015;23(2):189-197.

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ISSN 2284-5623 , FI: 0,143 , Q4 - ORIGINAL RESEARCH

**ECHIVALARE CU 2 ARTICOLE BDI**



**CO-AUTOR ARTICOLE ISI CU FACTOR DE IMPACT –**  
**INAINTE DE ULTIMA PROMOVARE 2012:**

12. GAM Pop, TLM de Backer, M de Jong, PC Struijk, **L Moraru**, Z Chang, HG Goovaerts, C Slager, AJC Bogers. **On-line Electrical Impedance Measurement for Monitoring Blood Viscosity During On-Pump Heart Surgery.** *European Surgical Research*. 2004; 36(5):259-265.

[DOI: 10.1559/000079910](https://doi.org/10.1559/000079910)

ISSN 0014-312X , FI: 0,75 , Q3 - **ORIGINAL RESEARCH**

13. Gheorghe A Pop, Zu-yao Chang, Cornelis J Slager, Bert-Jan Kooij, Elza D van Deel, **Liviu Moraru**, Jan Quak, Gerard Mejer, Dirk J Dunker. **Catheter-Based Impedance Measurements in the Right Atrium for Continuously Monitoring Hematocrit and estimating Blood Viscosity Changes; An In Vivo Feasibility Study in Swine.** *Biosensors and Bioelectronics*. 2004;19:1685-1693.

[DOI: 10.1016/j.bios.2004.01.002](https://doi.org/10.1016/j.bios.2004.01.002)

ISSN 0956-5663 , FI: 3,25 , Q1 - **ORIGINAL RESEARCH**

b. Articole **EXTENSO** din **REVISTE** indexate **BDI**:

**AUTOR PRINCIPAL – AUTOR CORESPONDENT BDI**  
**DUPA ULTIMA PROMOVARE**

1. Victor Raicea, **Liviu MORARU**, Judith Kovacs, Horatiu Suciu, Radu Deac. **Combined Delivery of Myocardial Protection (Anterograde and Retrograde) in a Patient with Acute Myocardial Infarction and Secondary Severe Ischemic Mitral Regurgitation.** *Acta Medica Transilvanica*. 2013; 2(4):223-226.

ISSN 1453-1968 , **AUTOR CORESPONDENT , CASE REPORT**

[https://www.amtsibiu.ro/component/content/article/27-nr-4-2013/index.php?option=com\\_content&view=article&id=1511:combined-delivery-of-myocardial-protection-antegrade-and-retrograde-in-a-](https://www.amtsibiu.ro/component/content/article/27-nr-4-2013/index.php?option=com_content&view=article&id=1511:combined-delivery-of-myocardial-protection-antegrade-and-retrograde-in-a-)

[patient-with-acute-myocardial-infarction-and-secondary-severe-ischemic-mitral-regurgitation&catid=27](#)

2. Raicea V, Moraru L, Kovacs Judith, Suciu H, Deac R. **Difficulties in Myocardial Protection, Tactics and Surgical Technique in the Surgical Treatment of a Giant Pseudoaneurysm of the Ascending Aorta.** *ARS Medica Tomitana*. 2013; 19(4):186-192.  
ISSN 1223-9666 , **AUTOR CORESPONDENT , CASE REPORT**  
<https://doi.org/10.2478/arasm-2013-0033>
3. I Tilea, L Moraru, V Raicea, Brandusa Tilea, Andreea Elena Bocicor, Suciu H. **Bicoronary-Pulmonary Fistulae and Severe Mitral Valve Regurgitation – uncommon Cause of Myocardial Ischemia- a case report.** *ARS Medica Tomitana*. 2012; 19(4):135-139.  
ISSN 1223-9666 , **AUTOR CORESPONDENT , CASE REPORT**  
<https://doi.org/10.2478/v10307-012-0024-8>

**AUTOR PRINCIPAL - PRIM AUTOR BDI**  
**INAINTE DE ULTIMA PROMOVARE (2012)**

4. Moraru L, Raicea V, Serban V, Ivanescu A, Ghiga Dana, Brinzaniuc Klara, Deac R. **The Radial Artery in Coronary Surgery – Our Initial Clinical Experience.** *Acta Marisiensis Seria Medica*. 2011;57(4):316-318.  
ISSN 2668-7763 - **ORIGINAL RESEARCH**  
<https://actamedicamarisiensis.ro/the-radial-artery-in-coronary-surgery-our-initial-clinical-experience/>
5. L Moraru, V Raicea, V serban, A Ivanescu, Dana Ghica, Klara Brinzaniuc, R Deac. **Studiu Comparativ Intre Recoltarea Chirurgicala Scheletizata Versus Pediculata a Grefonului Arterial Radial.** *Clujul Medical*. 2011; 84(Suppl 2 – vol 1):34-49.  
ISSN 1222-2119 - **ORIGINAL RESEARCH**  
<https://medpharmareports.com/index.php/mpr/supplements>

6. **L Moraru, V Raicea, V Serban, A Ivanescu, M Petrisor, Klara Brinzaniuc, R Deac. Evaluarea Preoperatorie Morfologica si Functionala a Arterei Radiale. Clujul Medical. 2011; 84(Supl 2 – vol 1):40-48.**

ISSN 1222-2119 - **ORIGINAL RESEARCH**

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#### **CO-AUTOR - ARTICOLE BDI**

1. Mitranovici M-I, Chiorean DM, Mureşan MC, Buicu C-F, Moraru R, **Moraru L, Cotoi TC, Cotoi OS, Toru HS, Apostol A, et al. Treating Preeclampsia in the COVID-19 Era: Is Allopurinol Useful as an Adjuvant Therapy? A Case Report and Review of the Literature.** Stresses. 2023; 3(1):125-135.

ISSN 2673-7140 - **CASE REPORT**

<https://doi.org/10.3390/stresses3010010>

2. Pop GA, Sloop GD, Weidman JJ, **Moraru L, Cyr JA. Blood Viscosity and Preferential Flow Patterns Influence the Optimization of Blood Circulation.** *Journal of Cardiology and Cardiovascular Research.* 2022; 4(1):1-7.

ISSN 2583-259X - **REVIEW**

<https://doi.org/10.36266/JCCR/118>

3. Judit Kovacs, **Liviu Moraru**, Krisztina Antal, Adrian Cioc, Septimiu Voidazan, Attila Szabo. **Are Frailty Scales Better Than Anesthesia or Surgical Scales to Determine Risk in Cardiac Surgery ?.** *Korean Journal of Anesthesiology.* 2017;70(2):157-162.

ISSN 2005-6419 - **ORIGINAL RESEARCH**

<https://doi.org/10.4097/kjae.2017.70.2.157>

**CO-AUTOR ARTICOLE BDI –**  
**INAINTE DE ULTIMA PROMOVARE (2012)**



4. K Brinzaniuc, Z Galajda, C Nicolescu, **L Moraru**, Z Pavai, F Butilca, V Bacarea, Z Sarkany, D Popa, Magda Seres Sturm. **Anatomia Chirurgicala a Arterei Radiale si a arcadeilor Palmare cu Implicatii in Chirurgia Coronariana.** *Revista Romana de Anatomie Functionala si Clinica, Macro- si Microscopica si de Antropologie.* 2003; 2(1):79-82.

ISSN 1583-4026 - **ORIGINAL RESEARCH**

5. GAM Pop, WJ Hop, **L Moraru**, M van der Jagt, J Quak, D Dekkers, Z Chang, FJ Gijssen, DJ Dunker, CJ Slager. **Blood Electrical Impedance Closely Matches Blood Viscosity as Parameter of Hemorheology and Inflammation.** *Appl Rheol.* 2003;13(6):305-312. - **ORIGINAL RESEARCH**

[DOI: 10.1515/arh-2003-0020](https://doi.org/10.1515/arh-2003-0020)

**6-9. DOUA ARTICOLE ISI CO-AUTOR Q4 ORIGINAL RESEARCH (pozitia 8 – 11)  
LE-AM ECHIVALAT CU 4 ARTICOLE BDI ORIGINAL RESEACH**

c. Articole publicate in **REZUMAT**:

Articole REZUMAT din **REVISTELE unor MANIFESTARI STIINTIFICE indexate  
BDI, tip Supplements sau Proceedings:  
INAINTE DE ULTIMA PROMOVARE (2012)**

1. G Pop W Hop, **L Moraru**, J Quak, D Dekkers, ZY Chang, F Gijssen, D Dunker, C Slager. 3P-0660 **Blood electrical impedance closely matches whole blood viscosity as useful inflammation marker linked to red blood cell aggregation.** *Atherosclerosis (Supplements).* 2004; 2(4):207. XIIIth International Symposium on Atherosclerosis, September 28–October 2, 2003, Kyoto, Japan  
ISSN 1567-5688

[https://doi.org/10.1016/S1567-5688\(03\)90880-4](https://doi.org/10.1016/S1567-5688(03)90880-4)

2. G Pop, ZY Chang, C Slager, BL Kooij, E Deel van, **L Moraru**, J Quak, G Meijer, D Dunker. 3P-0661 **Blood viscosity variation can be monitored by catheter-based electrical impedance measurements in the right atrium.** *Atherosclerosis (Supplements).* 2004; 2(4):207. XIIIth International

Symposium on Atherosclerosis, September 28–October 2, 2003, Kyoto, Japan

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[https://doi.org/10.1016/S1567-5688\(03\)90881-6](https://doi.org/10.1016/S1567-5688(03)90881-6)

3. G Pop, T Backer de, M Jong de, **L Moraru**, ZY Chang, H Goovaerts, P Struijk, C Slager, A Bogers. 3P-0662 **On-line electrical resistivity measurement for monitoring blood viscosity during on-pump heart surgery**. *Atherosclerosis (Supplements)*. 2004; 2(4):207. XIIIth International Symposium on Atherosclerosis, September 28–October 2, 2003, Kyoto, Japan  
ISSN 1567-5688  
[https://doi.org/10.1016/S1567-5688\(03\)90882-8](https://doi.org/10.1016/S1567-5688(03)90882-8)

#### **PROIECTE DE CERCETARE / GRANTURI**

1. **DIRECTOR DE PROIECT** - proiect de cercetare UMFST GE PALADE din TARGU-MURES - Contract de Finantare de catre Companii Private a Competitiilor de Granturi de Cercetare, cu finantare privata 20000 EURO, 1 an : „**Relevanta evaluarii Doppler in managementul fatului cu restrictie de crestere intra-uterina**” – Nr. 13610 din 11 Decembrie 2024
2. **MEMBRU IN PROIECT** - proiect de cercetare UMF TARGU-MURES - Programul Parteneriate in Domenii Prioritare cu finantare de la Bugetul de Stat MECT MECT 200000 RON, 36 luni : „**Corelatii intre Distributia Intraparenchimatoasa a Elementelor de Angio- si Bilioarhitectura si Segmentarea Lobului Caudat – Baze Anatomice pentru Chirurgia de Rezectie si Transplantul Hepatic**” – Nr. 4.1-092 / 2007

Targu-Mures

DR. Liviu MORARU

27 Decembrie 2024