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**CANDIDAT: MONICA-SIMINA MIHUȚA**

**LISTA DE LUCRĂRI**

**a) Lista de lucrări relevante pentru domeniul disciplinei postului:**

1. **Mihuta MS**, Paul C\*, Borlea A, Roi CM, Pescari D, Velea-Barta O-A, Mozos I and Stoian D. Connections between serum trimethylamine N-Oxide (TMAO) a gut-derived metabolite vascular biomarkers evaluating arterial stiffness subclinical atherosclerosis in children with obesity. Front. Endorinol. 2023, 14:1253584. https://doi.org/10.3389/fendo.2023.1253584
2. **Mihuta MS**, Paul C\*, Borlea A, Roi CM, Velea-Barta O-A, Mozos I, Stoian D. Unveiling the Silent Danger of Childhood Obesity: Non-Invasive Biomarkers Such as Carotid Intima-Media Thickness, Arterial Stiffness Surrogate Markers, and Blood Pressure Are Useful in Detecting Early Vascular Alterations in Obese Children. Biomedicines. 2023; 11(7):1841. https://doi.org/10.3390/biomedicines11071841
3. **Mihuta MS,** Stoian D\*, Borlea A, Roi CM, Velea-Barta O-A, Mozos I, Paul C. Evaluating the Arterial Stiffness as a Useful Tool in the Management of Obese Children. Children. 2023; 10(2):183. https://doi.org/10.3390/children10020183
4. **Mihuta MS,** Paul C\*, Borlea A, Cepeha CM, Velea IP, Mozos I, Stoian D. The Oscillometric Pulse Wave Analysis Is Useful in Evaluating the Arterial Stiffness of Obese Children with Relevant Cardiometabolic Risks. Journal of Clinical Medicine. 2022; 11(17):5078. https://doi.org/10.3390/jcm11175078
5. **Mihuta M-S,** Paul C\*, Ciulpan A, Dacca F, Velea IP, Mozos I, Stoian D. Subclinical Atherosclerosis Progression in Obese Children with Relevant Cardiometabolic Risk Factors Can Be Assessed through Carotid Intima Media Thicknes**s**. Applied Sciences. 2021; 11(22):10721. https://doi.org/10.3390/app112210721
6. Roi CM, Borlea A\*, **Mihuta MS**, Paul C, Stoian D. A Comparative Analysis of Strain and 2D Shear Wave Elastography in the Diagnosis of Autoimmune Thyroiditis in Pediatric Patients. Biomedicines. 2023; 11(7):1970. https://doi.org/10.3390/biomedicines11071970
7. Cepeha CM, PauL C\*, Borlea A, Bende R, **Mihuta MS,** Stoian D**.** Is Strain Elastography Useful in Diagnosing Chronic Autoimmune Thyroiditis in Children? Appl. Sci. 2022, 12, 8881. https://doi.org/10.3390/app12178881
8. **Mihuța MS**, Paul C, Velea-Barta OA, Stoian D. The role of gut microbiota in childhood obesity. CURRENT TRENDS IN PEDIATRIC ENDOCRINOLOGY AND DIABETES (ISBN 978-973-52-2111-9), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2024, chapter 10, p. 165-184
9. Paul C, **Mihuta MS**. Challenges in the management of Graves disease in adolescents. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2022 UPDATE (ISBN 978-973-52-2033-4), Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2022, chapter 2, p41-65.
10. Paul C, **Mihuta MS**. Update in hypophosphatemic rickets. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2021 UPDATE (ISBN 978-973-52-1987-1), editors Velea IP, Paul C, Brink S. Ed. Mirton, Timișoara, 2021, chapter 5, p137-156.

**b) Teza de doctorat**

Titlu: **NEW METHODS OF CARDIOVASCULAR RISK EVALUATION IN OBESE CHILDREN / NOI METODE DE EVALUARE A RISCULUI CARDIOVASCULAR LA COPIII OBEZI**

Conducătorul cercetării doctorale: Prof. Univ. Dr. Dana Stoian

Domeniul Medicină

Data susținerii - 4.12.2023

Titlu de Doctor în Medicină conferit SUMMA CUM LAUDAE, în baza Ordinului de Ministru nr. 3811

în 15.02.2024

**c) -**

**d) Capitole în cărți cu ISBN:**

1. Paul C, **Mihuța MS.** Management of children with Silver Russel Syndrome. CURRENT TRENDS IN PEDIATRIC ENDOCRINOLOGY AND DIABETES (**ISBN 978-973-52-2111-9**), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2024, chapter 2, p.41-53
2. Velea I, **Mihuța MS**, Velea-Barta OA. The brain and diabetes in children. CURRENT TRENDS IN PEDIATRIC ENDOCRINOLOGY AND DIABETES (**ISBN 978-973-52-2111-9**), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 202, chapter 7, p. 119-136
3. **Mihuța MS**, Paul C, Velea-Barta OA, Stoian D. The role of gut microbiota in childhood obesity. CURRENT TRENDS IN PEDIATRIC ENDOCRINOLOGY AND DIABETES (**ISBN 978-973-52-2111-9**), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2024, chapter 10, p. 165-184
4. Paul C, **Mihuta MS,** Roi, CM, Stoian D. Delayed puberty in girls. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2023 UPDATE (**ISBN 978-973-52-2069-3**), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2023, chapter 2, p33-49.
5. Velea, I, Velea-Barta OA, **Mihuta MS**. The Use of CGMS in children with diabetes mellitus type 1: between challenges and benefits. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2023 UPDATE (**ISBN 978-973-52-2069-3**), editors Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2023, chapter 5, p87-106.
6. Paul C, **Mihuta MS**. Challenges in the management of Graves disease in adolescents. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2022 UPDATE (**ISBN 978-973-52-2033-4**), Velea IP, Paul C, Brink S, Ed. Mirton, Timișoara, 2022, chapter 2, p41-65.
7. Paul C, **Mihuta MS**. Update in hypophosphatemic rickets. In PEDIATRIC ENDOCRINOLOGY AND DIABETES 2021 UPDATE (**ISBN 978-973-52-1987-1**), editors Velea IP, Paul C, Brink S. Ed. Mirton, Timișoara, 2021, chapter 5, p137-156.

**d) Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal:**

**-autor principal:**

1. Latia M, Borlea A, **Mihuta MS\*,** Neagoe OC, Stoian D. Impact of Ultrasound Elastography in Evaluating Bethesda Category IV Thyroid Nodules with Histopathological Correlation. Front in Endocrinol. 2024. 15. <https://doi.org/10.3389/fendo.2024.1393982>

*(\* = autor de corespondență)*

1. **Mihuta MS**, Paul C\*, Borlea A, Roi CM, Pescari D, Velea-Barta O-A, Mozos I and Stoian D. Connections between serum trimethylamine N-Oxide (TMAO) a gut-derived metabolite vascular biomarkers evaluating arterial stiffness subclinical atherosclerosis in children with obesity. Front. Endorinol. 2023, 14:1253584. <https://doi.org/10.3389/fendo.2023.1253584>
2. **Mihuta MS**, Paul C\*, Borlea A, Roi CM, Velea-Barta O-A, Mozos I, Stoian D. Unveiling the Silent Danger of Childhood Obesity: Non-Invasive Biomarkers Such as Carotid Intima-Media Thickness, Arterial Stiffness Surrogate Markers, and Blood Pressure Are Useful in Detecting Early Vascular Alterations in Obese Children. Biomedicines. 2023; 11(7):1841. <https://doi.org/10.3390/biomedicines11071841>
3. **Mihuta MS**, Stoian D\*, Borlea A, Roi CM, Velea-Barta O-A, Mozos I, Paul C. Evaluating the Arterial Stiffness as a Useful Tool in the Management of Obese Children. Children. 2023; 10(2):183. <https://doi.org/10.3390/children10020183>
4. **Mihuta MS**, Paul C\*, Borlea A, Cepeha CM, Velea IP, Mozos I, Stoian D. The Oscillometric Pulse Wave Analysis Is Useful in Evaluating the Arterial Stiffness of Obese Children with Relevant Cardiometabolic Risks. Journal of Clinical Medicine. 2022; 11(17):5078. <https://doi.org/10.3390/jcm11175078>
5. **Mihuta M-S,** Paul C\*, Ciulpan A, Dacca F, Velea IP, Mozos I, Stoian D. Subclinical Atherosclerosis Progression in Obese Children with Relevant Cardiometabolic Risk Factors Can Be Assessed through Carotid Intima Media Thickness. Applied Sciences. 2021; 11(22):10721. <https://doi.org/10.3390/app112210721>

**-co-autor:**

1. Mihuta C, Socaci A\*, Hogea P, Tudorache E, **Mihuta MS,** Oancea C. Colliding Challenges: An Analysis of SARS-CoV-2 Infection in Patients with Pulmonary Tuberculosis versus SARS-CoV-2 Infection Alone. Medicina. 2024; 60(5):823. <https://doi.org/10.3390/medicina60050823>
2. Roi CM, Borlea A\*, **Mihuta MS**, Paul C, Stoian D. A Comparative Analysis of Strain and 2D Shear Wave Elastography in the Diagnosis of Autoimmune Thyroiditis in Pediatric Patients. Biomedicines. 2023; 11(7):1970. <https://doi.org/10.3390/biomedicines11071970>
3. Cepeha CM, PauL C\*, Borlea A, Bende R, **Mihuta MS**, Stoian D. Is Strain Elastography Useful in Diagnosing Chronic Autoimmune Thyroiditis in Children? Appl. Sci. 2022, 12, 8881. <https://doi.org/10.3390/app12178881>
4. Sărăndan S, Negru R, Marşavina L, **Mihuta MS**, Şerban DA. Numerical analysis of a Rugby union protective headgear under impact loading. Materials Today: Proceedings, 2023, Vol. 78, Part 2, Pages 319-325, <https://doi.org/10.1016/j.matpr.2022.11.500>

**f) -**

**g) -**