

Memoriu științific
- Iordache Sergiu Andrei –

STUDII EFECTUATE ȘI DIPLOME OBȚINUTE:

2020-2026 – Doctorand în domeniul Medicină, în cadrul IOSUD UMF „Carol Davila” București, sub conducerea științifică a Prof. Univ. Dr. Cîrstoiu Florin Cătălin cu titlul “Expresia genică și factori imagistici de prognostic în evoluția gonartrozei”

2024 – Medic specialist Ortopedie și Traumatologie în urma examenului de specialitate susținut

2019-2023 – Medic rezident în urma examenului de rezidențiat susținut, în specialitatea Ortopedie și Traumatologie, desfășurat în Clinica de Ortopedie și Traumatologie a Spitalului Universitar de Urgență București, sub coordonarea domnului Prof. Univ. Dr. Cîrstoiu Florin Cătălin

2018 – Susținerea tezei de licență în cadrul UMFCB București

2011-2018 – Studii universitare în cadrul Facultății de Medicină și Farmacie „Carol Davila” București

EXPERIENȚĂ PROFESIONALĂ:

2024-prezent - Medic specialist Ortopedie și Traumatologie în cadrul Spitalului Universitar de Urgență București

2019-2023 – Medic rezident Ortopedie și Traumatologie în cadrul Spitalului Universitar de Urgență București

01/03/2021-Prezent- Asistent universitar disciplina Ortopedie-Traumatologie Departamentul 14, UMF Carol Davila Bucuresti(Romania)

2020-2022- Membru in nucleul pentru evidentierea si raportarea SARS-COV2 Spitalul Universitar de Urgență București (România)

2013–2015- Voluntar medical Serviciul de Ambulanță București-Ilfov (România) Asistență medicală de urgență și prim ajutor în pre-spital

2013–2015-Voluntar Prim-ajutor "Există un erou în fiecare dintre voi" (România) Prim ajutor pentru solicitanții numărului de urgență 112 aflați pe domeniul public, înaintea sosirii echipajelor de urgență

EDUCAȚIE ȘI FORMARE:

12.06.2025-15.06.2025- Conferința Națională a Asociației pentru Ortopedie și Traumatologie Pediatrică-Editia 1, Poiana Brașov, România

28-30/04/2025- EMSOS 2025 37th Annual Meeting of the European Musculo-Skeletal Oncology Society-Padova, Italia

01-02/11/2024- SOROT Conference 2024, K2 Alpin Conference Center/Poiana Brașov

13-15/06/2024- IOEN ROCHESTER Revision Course, Hands-On Cadaver Course, Hilton Rochester Mayo Clinic, Rochester, Minnesota, SUA

18-21/04/2024- Certificat de participare "Conferința Societății Române de Oncologie Musculo-Scheletală-Editia a II a, Hotel Zenith, Mamaia, România

18/10-21/10/2023- Certificate of Attendance- The XX-th SOROT 2023 Congress, Sinaia, România

31/08-01/09/2023- Certificate of achievement – EEMEA Cadaver Shoulder Lab, ORSI Melle, Belgium-Hands On Course-Shoulder arthroscopy course

24-26/05/2023- Certificate of Attendance-24th EFFORT CONGRESS, Vienna, Austria

19-20/05/2023- AO Trauma Blended Course-Advanced Principles of Fracture Management, Sinaia, România- Hands On Course

10-12/11/2022- Certificat de Participare Congresul Universității de Medicină și Farmacie "Carol Davila" din București, Editia a-X-a

3-5/11/2022- Certificat de participare-SOROT Conference 2022-Kronwell Brașov Hotel

17-19/10/2022- Certificate of Attendance-EMSOS 34th annual meeting of the European Musculo-Skeletal Oncology Society & 22nd Nurse and Allied Professions Group Meeting-LONDON 2022

26-27/05/2022- AO Trauma Blended Course-Basic Principles of fracture management, Sibiu, România 2022- Hands On Course

01-03/12/2021- Certificate EMSOS 2020-33rd Annual Meeting European Musculo-Skeletal Oncology Society, Graz, Austria

25/11/2021-27/11/2021- Certificat de Participare Congresul Universității de Medicină și Farmacie "Carol Davila" din București, Editia a IX-a

21/04/2021-24/04/2021- Certificat de Participare Webinar a IX a Conferinta a Colegiului Medicilor din Municipiul Bucuresti

25/03/2021-27/03/2021- Certificate SRATS VIRTUAL CONGRESS 2021

7-8/10/2020- Certificat de participare SOROT 2020-Virtual Conference

16/10/2019- Course Participant Certificate

AO Trauma Seminar-Fractures around the hip, București (România)

16/10/2019–18/10/2019- Certificat de Participare

Al XVIII-lea Congres Național de Ortopedie și Traumatologie SOROT 2019, București (România)

10/10/2019–12/10/2019- Certificat de Participare

Congresul Universității de Medicină și Farmacie Carol Davila București, Ediția a VII a, București (România)

19/03/2019–Prezent Certificat de Membru Colegiul Medicilor București, București (România)

12/05/2017–13/05/2017- Certificat de participare

15th Renal Failure Academy-First Romanian Conference on Nephro-Geriatric Medicine, București (România)

02/06/2016–04/06/2016 Certificat de Participare

Congresul Universității de Medicină și Farmacie Carol Davila-București, Ediția a IV a, București (România)

28/05/2015–30/05/2015 Certificat de Participare

Congresul Universității de Medicină și Farmacie Carol Davila București, ediția a III a, București (România)

LISTA LUCRĂRILOR PUBLICATE:

1. Iordache Sergiu, Serban Bogdan, Vlad Andreea, Cursaru Adrian

Short-term comparative results of segmental resection versus radical resection in two patients with myxofibrosarcoma of the limbs-case series. Romanian Journal of Orthopaedic Surgery and Traumatology- ROJOST, Volume 3, Issue 1, January-June 2020, pp:9-14; <https://doi.org/10.2478/rojost-2020-0003>

2. Andrada Coșoreanu, Maria Băleanu, Emilia Rusu, Mihai Marinescu, Sergiu-Andrei Iordache, Andreea Maria Vlad, Florin Rusu, Georgiana Enache, Gabriela Radulian

Prevalence of limb amputations in a Roma population compared to Caucasians, in patients with diabetes mellitus. Romanian Journal of Orthopaedic Surgery and Traumatology- ROJOST, Volume 3, Issue 1, January-June 2020, pp:41-48; <https://doi.org/10.2478/rojost-2020-0007>

3. Mihnea Popa, Bogdan Serban, Sergiu Iordache, Alexandru Lupu, Georgian Iacobescu, Adrian Cursaru

Orthopedic surgery related infections; study of the importance of associated comorbidities in relationship with septic evolution. Romanian Journal of Orthopaedic Surgery and Traumatology, Volume 3, Issue 2, December 2020, <https://doi.org/10.2478/rojost-2020-0015>

4. Catalin Cirstoiu, Bogdan Cretu, Bogdan Serban, Sergiu Iordache, Adrian Cursaru, Stefan Cristea, Anca I.Eremia, Silvia Nica Total Knee arthroplasty radiographic evaluation via a Bayesian belief network. A pilot study.-Romanian Journal of Military Medicine, vol.CXXIII, No.4/2020; DOI:10.55453/rjmm.2020.123.4.6

5. Sergiu Andrei Iordache, Adrian Cursaru, Bogdan Serban, Mihnea Ioan Gabriel Popa

A rare case of knee joint mucormycosis with pathological fracture after COVID-19 infection. Romanian Journal of Orthopaedic Surgery and Traumatology, vol.4, no.1, 2021, pp.9-15, <https://doi.org/10.2478/rojost-2021-0003>

6. Dumitru Adrian, Ciongariu Ana, Alius Catalin, Dumitrescu Dan, Iordache Sergiu Andrei, Serban Bogdan, Ionescu Doris, Costache Mariana, Sajin Maria, Tapoi Dana.

When an old pigmented lesion becomes serious: the problematic diagnosis of low grade-skin malignancies –Bednar tumor with fibrosarcomatous transformation. Romanian Journal of Orthopaedic Surgery and Traumatology, vol.4, no.1, 2021, pp.16-23, <https://doi.org/10.2478/rojost-2021-0004>

7. Iordache Sergiu Andrei, Serban Bogdan, Popa Mihnea Ioan Gabriel, Cursaru Adrian

Current review of surgical management options for total knee arthroplasty in the rheumatoid knee. Romanian Journal of Orthopaedic Surgery and Traumatology, vol.4, no.1, 2021, pp.38-45, <https://doi.org/10.2478/rojost-2021-0007>

8. Mihnea Gabriel Ioan POPA, Adrian CURSARU, Tudor Vlad POPA, Andrei-Alexandru MUNTEAN, Șerban BOGDAN, Bogdan CREȚU, Sergiu IORDACHE and Cătălin CÎRSTOIU
Study of bacterial proliferation using a method that shows bacterial growth depending on the heat released – microcalorimetry. THE PUBLISHING HOUSE MEDICINE OF THE ROMANIAN ACADEMY. June 30 2021
9. Ioana Cretu, Mihai Bojinca, Mihaela Milicescu, Adrian Cursaru, Bogdan Serban, Bogdan Cretu, Sergiu Iordache, Corina Silvia Pop, Catalin Cirstoiu, Ruxandra Ionescu Musculoskeletal adverse reactions after immunotherapy for cancer: A case series Experimental and Therapeutic Medicine, vol.22, Issue 3, ISSN:1792-1015, <https://doi.org/10.3892/etm.2021.10459>
10. Angelica Bratu, Adrian Cursaru, Oana Dumitrascu, Adina Comanelea, Bogdan Cretu, Sergiu Iordache, Catalin Cirstoiu The use of IPACK and the continuous adductor canal block in the perioperative management of total knee prosthesis. Vol. CXXIV • No. 2/2021 • May • Romanian Journal of Military Medicine. 124(2):238-243 DOI:10.55453/rjmm.2021.124.2.16
11. Adrian Cursaru, Bogdan Cretu, Bogdan Serban, Sergiu Iordache, Mihnea Popa, Catalin Gabriel Smarandache, Carmen Orban, Catalin Cirstoiu; Minimally invasive treatment and internal fixation vs. extended lateral approach in calcaneus fractures of thalamic interest vol.23, Exp Ther Med. 2022 Mar;23(3):196. doi: 10.3892/etm.2022.11119. Epub 2022 Jan 5. PMID: 35126699; PMCID: PMC8794544.
12. MIHNEA POPA, ADRIAN CURSARU, VLAD POPA , ALEXANDRU MUNTEANU, BOGDAN ȘERBAN, BOGDAN CREȚU, SERGIU IORDACHE, CATALIN GABRIEL SMARANDACHE, CARMEN ORBAN and CĂTĂLIN CÎRSTOIU Understanding orthopedic infections through a different perspective: Microcalorimetry growth curves-DOI: 10.3892/etm.2022.11189; EXPERIMENTAL AND THERAPEUTIC MEDICINE 23: 263, 2022
13. Catalin Cirstoiu, Bogdan Cretu, Sergiu Iordache, Mihnea Popa, Bogdan Serban, Adrian Cursaru
Surgical management options for long-bone metastasis, EFORT OPEN REVIEWS, vol.7, Issue 3, DOI:<https://doi.org/10.1530/EOR-21-0119>

14. Costache Mihai Aurel, Iordache Sergiu Andrei, Serban Bogdan, Spiridonica Dumitru Razvan, Popa Mihnea Ioan Gabriel, Rascu Angel Stefan, Cursaru Adrian Bone grafts versus synthetic bone substitutes in the treatment of benign bone tumors. Romanian Journal of Orthopaedic Surgery and Traumatology, Volume 4, Issue 2, July-December 2021 DOI:10.2478/rojost-2021-0012
15. Iordache Sergiu Andrei, Serban Bogdan, Popa Mihnea Ioan Gabriel, Costache Mihai, Cursaru Adrian, Dumitrescu Dan Surgical management of bone metastasis located in the proximal femur-review of literature. Romanian Journal of Orthopaedic Surgery and Traumatology, Volume 4, Issue 2, July-December 2021 DOI:10.2478/rojost-2021-0013
16. Mihnea Popa, Bogdan Serban, Sergiu Iordache, Mihai Costache, Alexandru Lupu, Georgian Iacobescu, Adrian Cursaru
 COVID-19 Era-Adapting treatment and education in the Orthopedics and Traumatology Department-review-Romanian Journal of Orthopaedic Surgery and Traumatology, Volume 4, Issue 2, July-December 2021 DOI:10.2478/rojost-2021-0015
17. Bogdan Cretu, Bogdan Serban, Sergiu Iordache, Adrian Cursaru, Mihai Costache, Catalin Cirstoiu New anatomical landmark for rotational assessment of total knee arthroplasty Romanian Journal of Military Medicine, Vol. CXXV, No.3/2022; doi: 10.55453/rjmm.2022.125.3.15
18. Iordache, Sergiu Andrei, Crețu, Bogdan, Șerban, Bogdan, Cursaru, Adrian, Popa, Mihnea Ioan Gabriel and Cîrstoiu, Cătălin. "Gene expression and molecular aspects in osteoarthritis of the knee - review of literature" Romanian Journal of Orthopaedic Surgery and Traumatology, vol.5, no.1, 2022, pp.35-41. <https://doi.org/10.2478/rojost-2022-0007>
19. Bogdan Cretu, Bogdan Serban, Sergiu Iordache, Adrian Cursaru, Mihai A.Costache, Catalin Cirstoiu
 "Medial Pivot Knee in Total Knee Arthroplasty"-Romanian Journal of Military Medicine, vol.CXXVI, No.1/2023; <https://doi.org/10.55453/rjmm.2023.126.1.14>
20. Bogdan Cretu, Catalin Cirstoiu, Bogdan Serban, Sergiu Iordache, Adrian Cursaru, Mihai Costache, Stefan Cristea

“Inadequate perioperative control of modifiable risk factors in total knee arthroplasty and implications on functional results”- Romanian Journal of Military Medicine, DOI: 10.55453/rjmm.2022.125.1.4

21. Sergiu Iordache, Adrian Cursaru, Bogdan Serban, Mihai Costache, Razvan Spiridonica, Bogdan Cretu, Catalin Cirstoiu

“Melorheostosis: A Review of the literature and a Case Report”- Medicina 2023, 59(5), 869; <https://doi.org/10.3390/medicina59050869>

22. Bogdan Cretu, Sergiu Iordache, Adrian Cursaru, Bogdan Serban, Mihai Costache, Catalin Cirstoiu, Razvan Spiridonica

“Metagenomic Next-Generation Sequencing for Periprosthetic Joint Infections” Cureus. 2023;15(5):e38726. Published 2023 May 8. doi:10.7759/cureus.38726

23. Sergiu Iordache, Mihai Costache, Adrian Cursaru, Bogdan Serban, Razvan Spiridonica, Mihnea Popa, Catalin Cirstoiu, Bogdan Cretu

“A narrative review of patellar resurfacing versus non-resurfacing in total knee arthroplasty”, Cureus 2023; Published May 22, 2023, DOI:10.7759/cureus.39362

24. Cretu Bogdan, Costache Mihai, Cursaru Adrian, Serban Bogdan, Spiridonica Razvan, Popa Mihnea, Cirstoiu Catalin, Iordache Sergiu.

“Restoring Anatomical Features in Primary Total Knee Arthroplasty”. Cureus. 2023 Jun 19;15(6):e40616. doi: 10.7759/cureus.40616. PMID: 37342300; PMCID: PMC10278159.

25. Adrian Cursaru, Sergiu Iordache*, Mihai Costache, Bogdan Serban, Mihnea Popa, Bogdan Cretu, Catalin Cirstoiu

Management of Acetabular Bone Loss in Hip Revision Arthroplasty: Case Series Presentation. Cureus 15(9): e45432. doi:10.7759/cureus.45432

26. Adrian Cursaru, Mihnea Popa*, Alexandru Lupu, Sergiu Iordache, Mihai Costache, Bogdan Cretu, Bogdan Serban, Catalin Cirstoiu

Examination of Personalized Approaches in the Management of Ankle Fractures: A Thorough Evaluation of Soft Tissue Factors, Treatment Methods, and Patient Adherence. *Cureus* 15(9): e45507. doi:10.7759/cureus.45507

27. Adrian Cursaru, Mihnea Popa*, Bogdan Cretu, Sergiu Iordache, Georgian L Iacobescu, Razvan Spiridonica, Angel Rascu, Bogdan Serban, Catalin Cirstoiu

Exploring Individualized Approaches to Managing Vancouver B Periprosthetic Femoral Fractures: Insights from a Comprehensive Case Series Analysis. *Cureus* 16(1), DOI:10.7759/cureus.53269

28. Mihnea Ioan Gabriel Popa, Adrian Cursaru, Bogdan Cretu, Sergiu Iordache, Georgian L Iacobescu, Razvan Spiridonica, Bogdan Serban, Catalin Cirstoiu

Enhancing Osteoporosis Management: A Thorough Examination of Surgical Techniques and Their Effects on Patient Outcomes. *Cureus* 16(5), May 2024, DOI:10.7759/cureus.59681

29. Bogdan Serban, Mihnea Ioan Gabriel Popa*, Adrian Cursaru, Bogdan Cretu, Georgian L.Iacobescu, Catalin Cirstoiu, Sergiu Iordache

Enhancing Diagnosis and Prognosis by Assessing the Clinical, Morphological, and Behavior Aspects in Soft Tissue Sarcomas. *Cureus* 16(7): e64025. doi:10.7759/cureus.64025

30. Mihnea Popa, Bogdan Cretu*, Georgian L. Iacobescu, Sergiu Iordache, Adrian Cursaru, Bogdan Serban, Catalin Cirstoiu

Enhancing Outcomes in Prosthetic Joint Infections: The Significance of the Periprosthetic Joint Infection Tumor, Node, and Metastasis (PJI-TNM) Classification and Biodegradable Antibiotic Beads. *Cureus* 16(8): e66012. doi:10.7759/cureus.66012

31. Mihai Aurel Costache, Sergiu Iordache*, Adrian Cursaru, Mihnea Popa, Bogdan Serban, Bogdan Cretu, Andreea Marinescu, Catalin Cirstoiu

Enchondroma in the Fibular Diaphysis: A Case Report. *Cureus* 16(8): e67210. doi:10.7759/cureus.67210, (August 19, 2024)

32. Sergiu Iordache, Adrian Cursaru*, Bogdan Cretu, Cosmin-Florentin Niculae, Mihnea Popa, Mihai Aurel Costache, Bogdan Serban, Catalin Cirstoiu

Predictive Factors for Total Knee Arthroplasty: An Observational Study. Cureus 16(8): e67519. doi:10.7759/cureus.67519, (August 22, 2024)

33. Sergiu Iordache, Adrian Cursaru*, Andreea Marinescu, Bogdan Cretu, Mihnea Popa, Mihai Aurel Costache, Bogdan Serban, Catalin Cirstoiu

Magnetic Resonance Imaging Features and Functional Score in Patients Requiring Total Knee Arthroplasty. Cureus 16(9): e68595. doi:10.7759/cureus.68595, (September 04, 2024)

34. Emanuel-Cristian Sandu, Bogdan Serban, Sergiu Iordache, Adrian Cursaru, Mihai Aurel Costache, Adrian Dumitru, Catalin Cirstoiu

Immunohistochemistry Study of Antimicrobial Peptides as a Future Diagnostic and Prognostic Tool for Periprosthetic Joint Infections. Cureus 16(9): e69629. doi:10.7759/cureus.69629, (September 18, 2024).

35. Emanuel-Cristian Sandu, Adrian Cursaru, Sergiu Iordache, Bogdan Serban, Mihai Aurel Costache, Catalin Cirstoiu Utility of Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry in Periprosthetic Joint Infection Diagnosis, Cureus 16(10): e70650. doi:10.7759/cureus.70650, (October 01, 2024)

36. Razvan Spiridonica, Mihnea Popa, Adrian Cursaru, Georgian L. Iacobescu, Mihai Nica, Mihai A. Costache, Sergiu Iordache, Bogdan Serban, Bogdan Cretu Atypical Periprosthetic Joint Infection Post-Total Knee Arthroplasty: A Case of Actinomyces europaeus, Cureus 16(10): e70973. doi:10.7759/cureus.70973, October 07/2024

37. Adrian Cursaru, Raluca Cursaru, Sergiu Iordache, Mihai Aurel Costache, Bogdan Stefan Cretu, Bogdan Serban, Mihnea Ioan Gabriel Popa, Catalin Cirstoiu The use of Dissolvable Synthetic Calcium Impregnated with Antibiotic in Osteoarticular Infection in Patients with Diabetes. Life 2024,14, 1335. <https://doi.org/10.3390/life14101335>, published 20/oct/2024

38. Bogdan Serban, Eugen Radu, Adrian Cursaru, Bogdan Stefan Cretu, Sergiu Andrei Iordache, Madalina Cirnu, Cosmin Florentin Niculae, Catalin Florin Cirstoiu Survival prognostic factors and molecular aspects in extremity soft tissue sarcoma Journal of Mind and Medical Sciences 2024;11(2):388-395, doi:10.22543/2392-7674.1528, Published October 30, 2024

39. Sergiu Iordache, Adrian Cursaru, Mihai Aurel Costache, Razvan Spiridonica, Gafita Elena, Lana Jiroudi, Raluca Cursaru Predictive Factors for Cut-Out Risks of Unstable Trochanteric Fractures, *Cureus* (November 24, 2024) 16(11): e74355. doi:10.7759/cureus.74355
40. Emanuel-Cristian Sandu, Adrian Cursaru, Bogdan Serban, Sergiu Iordache, Mihai Aurel Costache, Catalin Cirstoiu Is the Presence of Sinus Tract in Periprosthetic Joint Infection Still One of the Main Deciding Factors for Septic Revision? *Cureus* 16(12): e75379. doi:10.7759/cureus.75379, (December 09/2024)
41. Bogdan Șerban, Adrian Cursaru, Sergiu Iordache, Mihai Costache, Bogdan Cretu, Adrian Dumitru and Catalin Cirstoiu Soft-Tissue Sarcomas—A Correlation Among Tumor Margin Infiltration, Immunological Markers, and Survival Rate *Int. J. Mol. Sci.* 2025, 26(9), 4363; <https://doi.org/10.3390/ijms26094363> Submission received: 2 March 2025 / Revised: 26 April 2025 / Accepted: 28 April 2025 / Published: 3 May 2025
42. Sergiu Andrei Iordache, Adrian Cursaru*, Bogdan Serban, Irina Anca Eremia, Corneliu Ovidiu Vrancianu, Marian Constantin, Sergiu Stanciu, Florin Catalin Cirstoiu Unveiling Prognostic and Diagnostic Biomarkers in Knee and Hip Osteoarthritis: A Targeted Review. *Discovery Medicine* 2025; 37(197): 960–975 <https://doi.org/10.24976/Discover.Med.202537197.86> Published: 9 June 2025
43. Andrei Danet, Razvan Spiridonica, Georgian L Iacobescu, Sergiu Iordache, Mihnea Popa, Angel Stefan Rascu, Catalin Cirstoiu Duration of Hospitalization for Hip Arthroplasty: Influence of Clinical-Biological Factors and Timing of the Intervention *Cureus*. 2025 May 11;17(5):e83876. doi: 10.7759/cureus.83876. eCollection 2025 May
44. Emanuela Elena Mihai, Matei Teodorescu, Sergiu Iordache, Catalin Cirstoiu, Mihai Berteanu. Tailored Rehabilitation Program and Dynamic Ultrasonography After Surgical Repair of Bilateral Simultaneous Quadriceps Tendon Rupture in a Patient Affected by Gout: A Case Report. *Healthcare* 2025, 13, 1830, <https://doi.org/10.3390/healthcare13151830>
45. Andrei Danet, Razvan Spiridonica, Georgian Iacobescu, Adrian Cursaru, Bogdan Cretu, Bogdan Serban, Sergiu Iordache, Antonio-Daniel Corlatescu, Catalin Cirstoiu

Predictive Model for Estimating the Length of Stay in Hip Arthroplasty Patients by Machine Learning-H.I.P.P.O Score Life (Basel). 2025 Sep 7;15(9):1408. doi: 10.3390/life15091408. PMID: 41010350; PMCID: PMC12471841.

46. Andrei Danet, Razvan Spiridonica, Georgian L Iacobescu, Sergiu Iordache , Mihnea Popa, Angel Stefan Rascu, Catalin Cirstoiu Correction: Duration of Hospitalization for Hip Arthroplasty: Influence of Clinical-Biological Factors and Timing of the Intervention Cureus. 2025 Sep 5;17(9):c283. doi: 10.7759/cureus.c283. Erratum for: Cureus. 2025 May 11;17(5):e83876. doi: 10.7759/cureus.83876. PMID: 40917920; PMCID: PMC12413774.

47. Iordache Sergiu, Cursaru Adrian, Șerban Bogdan, Cretu Bogdan, Popa Mihnea, Cirstoiu Catalin, et al.. Analysis of Gene Expression in Synovial Tissue from Patients with Knee Osteoarthritis. Romanian Journal of Military Medicine No.1 / 2026, Vol. CXXIX, January. 2026. DOI: <https://doi.org/10.55453/rjmm.2026.129.1.2>.

48. Iordache Sergiu Andrei, Cursaru Adrian, Serban Bogdan, Popa Mihnea Georgian, Costache Mihai Aurel, Stanciu Sergiu, Cretu Bogdan Stefan, Cirstoiu Florin Catalin. Serum and Clinical Factors Associated with Total Knee Arthroplasty in Patients with Knee Osteoarthritis. Life. 2026; 16(2):232. <https://doi.org/10.3390/life16020232>

49. Bogdan Serban, Adrian Cursaru, Sergiu Iordache, Bogdan Cretu, Mihai Nica, Georgian Iacobescu, Mihnea Popa, Eugen Radu, Madalina Cirnu, Catalin Cirstoiu Molecular Characterization of Soft Tissue Sarcomas Using RNA-Based Next-Generation Sequencing, Int J Mol Sci. 2026 Mar 16;27(6):2699. doi: 10.3390/ijms27062699. PMID: 41898560; PMCID: PMC13026488.

Speaker invitat conferințe/congrese

1. Case report on bone metastases- “Proximal femur replacement in a case of proximal femur metastasis”; Sesion: A multidisciplinary approach for patients with bone metastases, Chairmen: Prof.Andreas Leithner, Prof. Andrea Angelini- The XX-th SOROT 2023 Congress, Sinaia, Romania
2. Lector in cadrul celei de-a XVII-a editii a proiectului Zilele Educatiei Medicale, organizata de Societatea Studentilor in Medicina din Bucuresti, in perioada 15-24 martie 2024, Amfiteatrul Facultatii de Medicina si Farmacie “ Carol Davila”-Bucuresti, Romania

3. "Tehnici chirurgicale avansate în reconstrucția membrelor după rezecția tumorală: experiența cu endoproteze la adolescenți și adulți" Sesion: Tumori și Malformații
Moderatori: Mădălina Carp, Costel Vlad- Conferința Națională a Asociației pentru Ortopedie și Traumatologie Pediatrică-Ediția 1, Poiana Brașov, România
4. "Lecturer in the workshop entitled"Arthroscopy 101: The Knee from screen to Incision" held on the 10th May 2025 by the Orthopedics and Traumatology Student Club-Centrul de Inovatie și E-health-UMFCD, București, România
5. "Membru al juriului în cadrul "Sesiunii de Comunicări Științifice cu tema Chirurgie Ortopedica și Traumatologie"-13/05.2025 în Amfiteatrul din cadrul Spitalului Clinic de Nefrologie "Dr.Carol Davila"
6. "Lecturer at the conference entitled "Orthobasics-2nd Edition"-12th December 2025 by the Orthopedics and Traumatology Student Club
7. Jury member of the Oral Presentations at the 9th edition of the International Medical Students' Congress of Bucharest organized by the Medical Students' Society of Bucharest under the aegis of Carol Davila University of Medicine and Pharmacy of Bucharest-3rd-7th December 2025, Bucharest, România
8. Speaker în cadrul ediției XIX a proiectului Zilele Educației Medicale organizată de Societatea Studenților în Medicină din București în perioada 13-22 martie 2026
9. Speaker în cadrul Conferinței Interdisciplinare de Oncologie- Oncologie Ortopedică și Uro-Ginecologică, Ediția a III a, 26-28 martie 2026, Hotel Europa, Eforie Nord, ROMSOS

Cărți

1. **Chirurgia generală și specialități chirurgicale 2021, COAUTOR-Editura Hipocrate, ISBN 978- 606-95178-1-9**
2. **Orthopedics-Traumatology; Editura Universitară "Carol Davila", București 2022, ISBN:978-606-011-211-2-Coautor**