

Asist Univ Dr Ștefan MORĂRAȘU

Specialist Chirurgie Generală

Adresa 2-4 G-al Berthelot St., 700483, Iasi



- Medic specialist chirurgie generală, specializat în chirurgie oncologică și chirurgie colorectală robotică/laparoscopică.
- Asistent Universitar, Departamentul de Chirurgie, UMF Grigore T Popa Iași.
- Cercetător clinic cu interes special în creșterea calității și îmbunătățirea rezultatelor postoperatorii după chirurgia oncologică. Expert în meta-analize și studii clinice cu diverse studii publicate în jurnale de referință.
- Doctor in Medicina „Experimental flap models in rats: design and validation” MS nr 5999, 30.12.2021
- Membru activ al Societății Europene de Coloproctologie (ESCP)
- Membru activ al Societății Române de Chirurgie Endoscopică (ARCE)

Istoric

2023-01 - Current

Specialist Chirurgie Generală

Institutul Regional de Oncologie Iasi

Colorectal Surgery, Robotic Surgery, Laparoscopic Surgery, Surgical Oncology

2023-01 - Current

Asistent Universitar

Universitatea de Medicina si Farmacie Grigore T Popa Iasi

Department of Surgery

2022-03 - 2022-11

Fellow Chirurgie Robotică Colorectală

Ospedale di Camposampiero - ULSS 6 Euganea , Padua, IT

Robotic surgery fellowship

2021-08 - 2022-03

Rezident Chirurgie Generală

Institutul Regional de Oncologie Iasi

2020-07 - 2021-07

Rezident Chirurgie Generală

Our Lady of Lourdes Hospital, Drogheda, IR

2019-07 - 2020-07

Rezident Chirurgie Colorectală

Saint Vincent's University Hospital, Dublin, IR

2018-07 - 2019-07

Rezident Chirurgie Generală

Naas General Hospital, Naas, IR

2017-01 - 2018-07

Rezident Chirurgie Generală

Institutul Regional de Oncologie Iasi

Studii

2017-09 - 2021-08	Doctor in Medicina <i>Universitatea de Medicina si Farmacie Grigore T Popa Iasi</i> Doctor in Medicină cu teza „Experimental flap models in rats: design and validation” MS nr 5999, 30.12.2021
2010-10 - 2016-10	Absolvent Medicina <i>Universitatea de Medicina si Farmacie Grigore T Popa Iasi</i>
2006-09 - 2010-09	<i>Liceul de Informatica Grigore Moisil- Iasi, IS</i>

Limbi Straine

English	Advanced
French	Elementary
Spanish	Elementary

Publicatii

- STARSurg Collaborative; EuroSurg Collaborative. Impact of postoperative cardiovascular complications on 30-day mortality after major abdominal surgery: an international prospective cohort study. Anaesthesia. 2024 Jul;79(7):715-724. doi: 10.1111/anae.16220. Epub 2024 Feb 2. PMID: 38303634.
- Lunca S, Morarasu S, Ivanov AA, Clancy C, O'Brien L, Zaharia R, Musina AM, Roata CE, Dimofte GM. Is Frailty Associated with Worse Outcomes After Major Liver Surgery? An Observational Case-Control Study. Diagnostics (Basel). 2025 Feb 20;15(5):512. doi: 10.3390/diagnostics15050512. PMID: 40075760; PMCID: PMC11898977.
- Gafton B, Morarasu S, Dimofte G. Role of immunotherapy in gastric cancer with liver metastasis. World J Clin Oncol. 2024 Nov 24;15(11):1383-1389. doi: 10.5306/wjco.v15.i11.1383. PMID: 39582613; PMCID: PMC11514424.
- Lunca S, Morarasu S, Rouet K, Ivanov AA, Morarasu BC, Roata CE, Clancy C, Dimofte GM. Frailty Increases Morbidity and Mortality in Patients Undergoing Oncological Liver Resections: A Systematic Review and Meta-analysis. Ann Surg Oncol. 2024 Oct;31(10):6514-6525. doi: 10.1245/s10434-024-15571-8. Epub 2024 Jun 10. PMID: 38856830; PMCID: PMC11413144.
- Văcărean-Trandafir IC, Amărăndi RM, Ivanov IC, Dragoș LM, Mențel M, Iacob Ș, Mușină AM, Bărgăoanu ER, Roată CE, Morărașu Ș, Țuțuianu V, Ciobanu M, Dimofte MG. Impact of antibiotic prophylaxis on gut microbiota in colorectal surgery: insights from an Eastern European stewardship study. Front Cell Infect Microbiol. 2025 Jan 13;14:1468645. doi: 10.3389/fcimb.2024.1468645. PMID: 39872941; PMCID: PMC11770057.
- Ong WL, Morarasu S, Lunca S, Pruna RM, Roata CE, Dimofte GM. Impact of Clostridium difficile Infection Versus Colonization on Postoperative Outcomes After Oncological Colorectal Surgery: An Observational Single-Center Study With Propensity Score Analysis. J Surg Oncol. 2024 Sep 30. doi: 10.1002/jso.27923. Epub ahead of print. PMID: 39348449.

- Zaharia R, Morarasu S, Livadaru C, Osman C, Roata CE, Dimofte GM, Lunca S. Should We Plan CME vs non-CME surgery in colon cancer based on preoperative CT? An observational cohort study. *Chirurgia (Bucur)*. 2024 Dec;119(6):626-633. doi: 10.21614/chirurgia.3042. PMID: 39737818.
- EuroSurg Collaborative and STARSurg Collaborative. Extended pharmacological thromboprophylaxis and clinically relevant venous thromboembolism after major abdominal and pelvic surgery: international, prospective, propensity score-weighted cohort study. *Br J Surg*. 2025 Mar 4;112(3):znaf005. doi: 10.1093/bjs/znaf005. PMID: 40067192; PMCID: PMC11894929.
- Geubels BM, van den Esschert AJ, Temmink SJD, Nilsson PJ, Martling A, Roodvoets AGH, Peeters KCMJ, Sonneveld DJA, van Westreenen HL, Bujko K, Melenhorst J, Burger JWA, Talsma AK, Malcomson L, Peters FP, Beets GL, Grotenhuis BA; International and Dutch Watch-and-Wait Consortium. Outcomes of watch and wait after short-course radiotherapy in an international multicentre watch-and-wait cohort. *Br J Surg*. 2024 Oct 1;111(10):znae242. doi: 10.1093/bjs/znae242. PMID: 39392106.
- Calpin GG, Davey MG, Maguire B, Morarasu S, Donlon NE, Cahill KC, Larkin JO. Optimal approaches to flap reconstruction following abdominoperineal resection: A systematic review. *Surgeon*. 2025 Feb 12:S1479-666X(25)00023-X. doi: 10.1016/j.surge.2025.01.010. Epub ahead of print. PMID: 39947998.
- Morarasu S, Livadaru C, Dimofte GM. Quality assessment of surgery for colorectal cancer: Where do we stand? *World J Gastrointest Surg*. 2024 Apr 27;16(4):982-987. doi: 10.4240/wjgs.v16.i4.982. PMID: 38690042; PMCID: PMC11056676.
- STARSurg Collaborative; EuroSurg Collaborative. Impact of postoperative cardiovascular complications on 30-day mortality after major abdominal surgery: an international prospective cohort study. *Anaesthesia*. 2024 Jul;79(7):715-724. doi: 10.1111/anae.16220. Epub 2024 Feb 2. PMID: 38303634.
- Lunca S, Morarasu S, Rouet K, Ivanov AA, Morarasu BC, Roata CE, Clancy C, Dimofte GM. Frailty Increases Morbidity and Mortality in Patients Undergoing Oncological Liver Resections: A Systematic Review and Meta-analysis. *Ann Surg Oncol*. 2024 Jun 10. doi: 10.1245/s10434-024-15571-8. Epub ahead of print. PMID: 38856830.
- TASMAN Collaborative. Impact of opioid-free analgesia on pain severity and patient satisfaction after discharge from surgery: multispecialty, prospective cohort study in 25 countries. *Br J Surg*. 2024 Jan 3;111(1):znad421. doi: 10.1093/bjs/znad421. PMID: 38207169; PMCID: PMC10783642.
- Ong WL, Lunca S, Morarasu S, Musina AM, Puscasu A, Iacob S, Iftincai I, Marinca A, Ivanov I, Roata CE, Velenciuc N, Dimofte G. Evaluation of Changes in Circulating Cell-Free DNA as an Early Predictor of Response to Chemoradiation in Rectal Cancer-A Pilot Study. *Medicina (Kaunas)*. 2023 Sep 28;59(10):1742. doi: 10.3390/medicina59101742. PMID: 37893461; PMCID: PMC10608193.
- Joint E-AHPBA/ESSO/ESCP/ESGAR/CIRSE 2022 Consensus on colorectal cancer with synchronous liver metastases. The multi-societal European consensus on the terminology, diagnosis and management of patients with synchronous colorectal cancer and liver metastases: an E-AHPBA consensus in partnership with ESSO, ESCP, ESGAR, and CIRSE. *HPB (Oxford)*. 2023 Sep;25(9):985-999. doi: 10.1016/j.hpb.2023.05.360. Epub 2023 Jul 13. PMID: 37471055.
- Iacob S, Morarasu S, Roata CE, Musina AM, Bargaoanu R, Ong WL, Baboi B, Lunca S, Dimofte GM. Splenectomy Does Not Increase Early Morbidity in Patients Undergoing Total Gastrectomy: A Case-Control Study with Propensity Score Analysis. *Chirurgia (Bucur)*. 2023 Oct;118(5):464-469. doi: 10.21614/chirurgia.2023.v.118.i.5.p.464. PMID: 37965831.
- Marciuc D, Morarasu S, Morarasu BC, Marciuc EA, Dobrovat BI, Pintiliciuc-Serban V, Popescu RM, Bida FC, Munteanu V, Haba D. Dental Appliances for the Treatment of Obstructive Sleep Apnea in Children: A Systematic Review and Meta-Analysis. *Medicina (Kaunas)*. 2023 Aug 10;59(8):1447. doi: 10.3390/medicina59081447. PMID: 37629737; PMCID: PMC10456847.
- Morarasu BC, Sorodoc V, Haisan A, Morarasu S, Bologa C, Haliga RE, Lionte C, Marciuc EA, Elsiddig M, Cimpoesu D, Dimofte GM, Sorodoc L. Age, blood tests and comorbidities and AIMS65 risk scores outperform Glasgow-Blatchford and pre-endoscopic Rockall score in patients with upper gastrointestinal bleeding. *World J Clin Cases*. 2023 Jul 6;11(19):4513-4530. doi: 10.12998/wjcc.v11.i19.4513. PMID: 37469720; PMCID: PMC10353516.
- Simiras C, Morarasu S, Simiras DM, Iacob S, Ong WL, Musina AM, Velenciuc N, Roata CE, Lunca S, Dimofte GM. Predictive and Prognostic Role of Neutrophil to Lymphocyte Ratio in Rectal Cancer: A Case Control Study with Propensity Score Analysis. *Chirurgia (Bucur)*. 2023 Aug;118(4):399-409. doi: 10.21614/chirurgia.2023.v.118.i.4.p.399. PMID: 37698002.

- Morarasu S, Clancy C, Gorgun E, Yilmaz S, Ivanecz A, Kawakatsu S, Musina AM, Velenciuc N, Roata CE, Dimofte GM, Lunca S. Laparoscopic versus open resection of primary colorectal cancers and synchronous liver metastasis: a systematic review and meta-analysis. *Int J Colorectal Dis.* 2023 Apr 5;38(1):90. doi: 10.1007/s00384-023-04375-z. PMID: 37017766; PMCID: PMC10076361.
- Haroon M, Morarasu S, Morarasu BC, Al-Sahaf O, Eguare E. Assessment of feasibility and safety of cyanoacrylate glue versus absorbable tacks for inguinal hernia mesh fixation. A prospective comparative study. *Wideochir Inne Tech Maloinwazyjne.* 2023 Mar;18(1):90-98. doi: 10.5114/wiitm.2022.119780. Epub 2022 Sep 24. PMID: 37064566; PMCID: PMC10091924.
- Simiras C, Morarasu S, Simiras DM, Iacob S, Ong WL, Musina AM, Velenciuc N, Roata CE, Lunca S, Dimofte GM. Predictive and Prognostic Role of Neutrophil to Lymphocyte Ratio in Rectal Cancer: A Case Control Study with Propensity Score Analysis. *Chirurgia (Bucur).* 2023 Aug;118(4):399-409. doi: 10.21614/chirurgia.2023.v.118.i.4.p.399. PMID: 37698002.
- Morarasu BC, Sorodoc V, Haisan A, Morarasu S, Bologa C, Haliga RE, Lionte C, Marciuc EA, Elsiddig M, Cimpoesu D, Dimofte GM, Sorodoc L. Age, blood tests and comorbidities and AIMS65 risk scores outperform Glasgow-Blatchford and pre-endoscopic Rockall score in patients with upper gastrointestinal bleeding. *World J Clin Cases.* 2023 Jul 6;11(19):4513-4530. doi: 10.12998/wjcc.v11.i19.4513. PMID: 37469720; PMCID: PMC10353516.
- O'Brien L, Morarasu S, Morarasu BC, Neary PC, Musina AM, Velenciuc N, Roata CE, Dimofte MG, Lunca S, Raimondo D, Seracchioli R, Casadio P, Clancy C. Conservative surgery versus colorectal resection for endometriosis with rectal involvement: a systematic review and meta-analysis of surgical and long-term outcomes. *Int J Colorectal Dis.* 2023 Feb 27;38(1):55. doi: 10.1007/s00384-023-04352-6. PMID: 36847868.
- Siriwardena AK, Serrablo A, Fretland ÅA, Wigmore SJ, Ramia-Angel JM, Malik HZ, Stättner S, Søreide K, Zmora O, Meijerink M, Kartalis N, Lesurtel M, Verhoef C, Balakrishnan A, Gruenberger T, Jonas E, Devar J, Jamdar S, Jones R, Hilal MA, Andersson B, Boudjema K, Mullamitha S, Stassen L, Dasari BVM, Frampton AE, Aldrighetti L, Pellino G, Buchwald P, Gürses B, Wasserberg N, Gruenberger B, Spiers HVM, Jarnagin W, Vauthey JN, Kokudo N, Tejpar S, Valdivieso A, Adam R; Joint E-AHPBA/ESSO/ESCP/ESGAR/CIRSE 2022 Consensus on colorectal cancer with synchronous liver metastases. The multi-societal European consensus on the terminology, diagnosis and management of patients with synchronous colorectal cancer and liver metastases: an E-AHPBA consensus in partnership with ESSO, ESCP, ESGAR, and CIRSE. *HPB (Oxford).* 2023 Sep;25(9):985-999. doi: 10.1016/j.hpb.2023.05.360. Epub 2023 Jul 13. PMID: 37471055.
- Livadaru C, Morarasu S, Bargaoanu R, Iacob S, Frunza T, Musina AM, Velenciuc N, Roata CE, Zugun-Eloae F, Ferariu D, Lunca S, Dimofte MG. The mesocolic apical fragment in complete mesocolic excision colectomies: Should it be analysed separately? A proof-of-concept study. *Colorectal Dis.* 2022 Oct 13. doi: 10.1111/codi.16362. Epub ahead of print. PMID: 36227063.
- Morarasu S, Clancy C, Ghetu N, Musina AM, Velenciuc N, Iacob S, Frunza T, Roata CE, Lunca S, Dimofte GM. Impact of Quilting Sutures on Surgical Outcomes After Mastectomy: A Systematic Review and Meta-Analysis. *Ann Surg Oncol.* 2022 Feb 1. doi: 10.1245/s10434-022-11350-5
- Morarasu S, Morarasu BC, Ghiarasim R, Coroaba A, Tiron C, Iliescu R, Dimofte GM. Targeted Cancer Therapy via pH-Functionalized Nanoparticles: A Scoping Review of Methods and Outcomes. *Gels.* 2022 Apr 11;8(4):232. doi: 10.3390/gels8040232.
- Morarasu S, Morarasu BC, Ghețu N, Dimofte MG, Iliescu R, Pieptu D. Experimental models for controlled burn injuries in rats: a systematic analysis of original methods and burn devices. *J Burn Care Res.* 2021 Dec 9;irab234. doi: 10.1093/jbcr/irab234
- Roată C-E, Iacob Ș, Morărașu Ș, Livadaru C, Tudorancea I, Luncă S, Dimofte M-G. Collagen-Binding Nanoparticles: A Scoping Review of Methods and Outcomes. *Crystals.* 2021; 11(11):1396. <https://doi.org/10.3390/cryst11111396>
- Morărașu, Ș.; Iacob, Ș.; Tudorancea, I.; Luncă, S.; Dimofte, M.-G. Targeted Chemotherapy Delivery via Gold Nanoparticles: A Scoping Review of In Vivo Studies. *Crystals* 2021, 11, 1169. <https://doi.org/10.3390/cryst11101169>
- REACCT Collaborative. Impact of microsatellite status in early-onset colonic cancer. *Br J Surg.* 2022 May 6;znac108. doi: 10.1093/bjs/znac108.
- REACCT Collaborative. Post-Operative Functional Outcomes in Early Age Onset Rectal Cancer. *Front Oncol.* 2022 May 30;12:868359. doi: 10.3389/fonc.2022.868359. PMID: 35707361; PMCID: PMC9190512.
- REACCT Collaborative. Microsatellite instability in young patients with rectal cancer: molecular findings and treatment response. *Br J Surg.* 2022 Jan 14;znab437. doi: 10.1093/bjs/znab437
- REACCT Collaborative. Characteristics of Early-Onset vs Late-Onset Colorectal Cancer: A Review. *JAMA Surg.* 2021 Sep 1;156(9):865-874

- Morarasu S, O'Brien L, Clancy C, Dietrich D, Maurer CA, Frasson M, Garcia-Granero E, Martin ST. A systematic review and meta-analysis comparing surgical and oncological outcomes of upper rectal, rectosigmoid and sigmoid tumours. *Eur J Surg Oncol*. 2021 Sep;47(9):2421-2428.
- Morarasu S, Clancy C, Cronin CT, Matsuda T, Heneghan HM, Winter DC. Segmental versus extended colectomy for tumours of the transverse colon: a systematic review and meta-analysis. *Colorectal Dis* 2021;23(3):625-634
- Morarasu S, Ghetu N, Coman CG et al. New chimeric groin flap: experimental model in rats. *Ann Plast Surg* 2020; DOI: 10.1097/SAP.0000000000002561.
- Morarasu S, Ghetu N, Coman CG et al. Role of Ultrahigh Frequency Ultrasound in Evaluating Experimental Flaps. *J Reconstr Microsurg* 2020; DOI: 10.1055/s-0040-1718392.
- Wagner PJ, Haroon M, Morarasu S, Eguare E, Al-Sahaf O. Does CT reduce the rate of negative laparoscopies for acute appendicitis? A single-center retrospective study. *J Med Life* Jan-Mar 2020;13(1):26-31
- Morarasu S, Haroon M, Morarasu BC, Lal K, Eguare E. Colon biopsies: benefit or burden? *J Med Life* Apr-Jun 2019;12(2):156-159
- Haroon M, Al-Sahaf O, Eguare E, Morarasu S, Wagner P, Batt R, Subramanian K, Anike-Nweze CS, Ponniah R, O'Riordan F. Postoperative outcomes and patients satisfaction after Hybrid TIPP with UHS and TEP repair for inguinal hernias: a single-center retrospective comparative study. *Chirurgia (Bucur)*. 2019 Jan-Feb;114(1):57-66
- Livadaru C, Morarasu S, Frunza TC, Ghitun FA, Paiu-Spiridon EF, Sava F, Terinte C, Ferariu D, Lunca S, Dimofte GM. Postoperative computed tomography scan – reliable tool for quality assessment of complete mesocolic excision. *World J Gastrointest Oncol*. 2019 Mar 15;11(3):208-226
- Velenciuc N, Terinte C, Roata CE, Porumb V, Perteu M, Morarasu S, Dimofte GM, Lunca S. Clinicopathological features of juvenile granulosa cell tumor with an extensive mucinous component. Case report. *Med. Surg. J.* 2018;122(3):547-551
- Ene Cristian Roata, Corneliu Morosan, Silviu-Tiberiu Makkai-Popa, Stefan Morarasu, Sorinel Lunca, Gabriel Dimofte. Stenotic Ligature: a simple technique for managing distal hypoperfusion ischemic syndrome following arteriovenous fistulas. *J Clin Invest Surg* 2018;3(1):14-19
- Morarasu S, Frunza T, Bilavski K, Patrascu AM, Lunca S, Dimofte G. Histopathology report on colon cancer specimens; measuring surgical quality, an increasing stress for surgeons. *Journal of Mind and Medical Sciences* 2018;5(1). DOI: 10.22543/7674.51.P7581
- Morarasu S, Frunza T, Rotundu A, Lunca S, Dimofte G. Fistulas after Low Anterior Resection with TME. *Journal of Surgery [Jurnalul de chirurgie]*. 2017; 13(1): 25-29 DOI: 10.7438/1584-9341-13-1-5
- Frunza T, Rotundu A, Morarasu S, Lunca S, Dimofte G. Clostridium difficile Infection - An Optimistic View. *Journal of Surgery [Jurnalul de chirurgie]*. 2017; 13(2):63-66 DOI: 10.7438/1584-9341-13-2-4
- Morarasu S, Eguare E, Bashir Y, Ain Q, Bradu A. Transanal hemorrhoid dearterialization and mucopexy: a minimal invasive approach for prolapsed hemorrhoids. Four cases report. *Arch Clin Cases* 2016; 3(1):10-17
- Morarasu S, Clancy C, Kennelly R, Winter D. Primary Mesenteric Liposarcoma: a quick glance. *BJS* 2020;107:218-226 DOI: 10.1002/bjs.11512
- Morarasu S, Heneghan H, Clancy C, Winter D. Transverse versus extended colectomy for transverse colon cancer: a systematic review and meta-analysis. *Mesentery and Peritoneum* 2020;4:AB050
- Morarasu S, Coman CG, Necula GV, Danciu M, Morarasu BC, Boicu D, Ghetu N. Groin Flap: a valuable burn model for assessment of wound healing therapies. *Irish Journal of Medical Science* 2019;188:181
- Livadaru C, Morarasu S, Frunza TC, Ghitun F, Sava F, Paiu-Spiridon EF, Ferariu D, Lunca S, Dimofte GM. Arterial Stump Measurement - simple tool for assessing quality of Complete Mesocolic Excision. *Irish Journal of Medical Science* 2019;188:162-163
- Ghetu N, Danciu M, Coman CG, Morarasu S, Lupascu C. Groin flap in rats: ideal model for burn research. *Journal of Plastic and Reconstructive Surgery* Aug 2015; 136(2):440-441.
- Ghetu N, Danciu M, Galca R, Necula V, Morarasu S, Coman CG, Pieptu S, Lupascu C, Profire L, Pieptu D. Novelty in burn wound healing research: standard infliction and dressing devices, animal models, sulfadiazine-chitosan conjugates. *Annals of Burns and Fire Disasters* vol. XXVIII – Supplement EBA- September 2015

Capitole Carte

- 2014: Percutaneous continuous and interlocking suture. In: Fundamental surgical abilities. Study guide, protocols, assesments. Ed.”Gr.T.Popa”. ISBN 978-606-544-272-6
- 2018: Clinico-experimental issues in thoracic/general surgery. In: Translational Pneumology. Ed. “Gr. T. Popa”. ISBN 978-606-544-522-2

Brevete

- Ghetu N, Coman C, Morarasu S, Necula V. 2015. Training device for preoperative drawing of skin sutures „Tissu-T”. RO 130803 A0 OSIM patent filled August 8, 2015, and issued December 30, 2015.
- Ghetu N, Gilca RC, Mihai S, Coman CG, Morarasu S, Nastase MM, Necula GV, Scutaru TT, Pieptu D. Experimental burn infliction device designed for animal studies using a controlled hot steam producing mechanism (ro: Dispozitiv destinat inducerii controlate de arsuri cutanate prin vapori fierbinti pe modele animale de cercetare). RO-BOPI 4/2017, din 28.04.2017
- Ghetu N, Coman CG, Morarasu S, Nastase MM, Necula GV, Scutaru TT, Gilca RC, Pieptu D. Device for quick fixation and protection of dressing used in small experimental animals (ro:Dispozitiv pentru fixarea rapida, contentia si protectia pansamentului utilizat pe animale mici de experienta). RO-BOPI 3/2017, din 30.03.2017