



Cazacu Irina Mihaela



EXPERIENȚA PROFESIONALĂ

18/09/2021 – ÎN CURS – Bucuresti, România

MEDIC SPECIALIST ONCOLOGIE – INSTITUTUL CLINIC FUNDENI

01/02/2021 – ÎN CURS

ASISTENT UNIVERSITAR – FACULTATEA DE MEDICINA, UNIVERSITATEA TITU MAIORESCU

01/03/2020 – 17/09/2021 – Bucuresti, România

MEDIC REZIDENT ONCOLOGIE – INSTITUTUL CLINIC FUNDENI

01/01/2015 – 01/03/2020 – Craiova, România

MEDIC REZIDENT ONCOLOGIE – SPITALUL CLINIC MUNICIPAL FILANTROPIA

Craiova, România

01/01/2018 – 01/06/2019 – Houston, Statele Unite

ASISTENT CERCETARE/RESEARCH FELLOW – MD ANDERSON CANCER CENTER, THE UNIVERSITY OF TEXAS

Bursa de cercetare oferita de American College of Gastroenterology

Houston, Statele Unite

01/01/2017 – 31/05/2017

ASISTENT CERCETARE/RESEARCH FELLOW – INSTITUTE OF TRANSLATIONAL MEDICINE, UNIVERSITY OF PECS

Bursa de cercetare oferita de European Pancreatic Club

Pecs, Ungaria

01/09/2011 – 30/09/2011

UNDERGRADUATE INTERN – MODENA UNIVERSITY HOSPITAL, DEPARTMENT OF GASTROENTEROLOGY

Practica in domeniul dermato-oncologiei

Modena, Italia

● **EDUCAȚIE ȘI FORMARE PROFESIONALĂ**

01/10/2016 – 07/04/2020 – România

DOCTOR IN STIINTE MEDICALE (PHD) – Universitatea de Medicina si Farmacie Craiova

Thesis: The emerging role of *endoscopic ultrasound-guided interventions in the management of patients with pancreatic cancer*

Summa cum laude

01/10/2008 – 01/10/2014 – Craiova, România

DOCTOR MEDIC (M.D.) – Universitatea de Medicina si Farmacie Craiova

Thesis: *Artificial intelligence model to evaluate the risk of hepatic carcinogenesis*

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZĂ	C2	C2	C2	C2	C2
GERMANĂ	B1	B1	B1	B1	B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

● **DISTINCȚII ONORIFICE ȘI PREMII**

Burse de cercetare

2017: bursa de cercetare oferita de European Pancreatic Cancer

2017: bursa de cercetare oferita de American College of Gastroenterology

● **PUBLICAȚII**

Pancreatitis-Associated Genes and Pancreatic Cancer Risk: A Systematic Review and Meta-analysis. *Pancreas*

Cazacu IM, Farkas N, Garami A, Balasko M, Mosdosi B, Alizadeh H, Gyongyi Z, Rakonczay Z, Jr., Vigh E, Habon T et al.

Pancreas 2018, 47(9):1078-1086.

A quarter century of EUS-FNA: Progress, milestones, and future directions

Cazacu IM, Chavez AAL, Saftoiu A, Vilmann P, Bhutani MS

Endoscopic Ultrasound 2018, 7(3):141-160.

Psychological impact of pancreatic cancer screening by EUS or magnetic resonance imaging in high-risk individuals: A systematic review

Cazacu IM, Luzuriaga Chavez AA, Saftoiu A, Bhutani MS
Endosc Ultrasound 2019, 8(1):17-24

Malignant Transformation of Ectopic Pancreas

Cazacu IM, Luzuriaga Chavez AA, Nogueras Gonzalez GM, Saftoiu A, Bhutani MS
Digestive diseases and sciences 2019, 64(3):655-668

Novel EUS-guided brachytherapy treatment of pancreatic cancer with phosphorus-32 microparticles: first United States experience

Bhutani MS, **Cazacu IM**, Luzuriaga Chavez AA, Singh BS, Wong FCL, Erwin WD, Tamm EP, Mathew GG, Le DB, Koay EJ et al:
VideoGIE 2019, 4(5):223-225.

Recent developments in hepatopancreatobiliary EUS

Cazacu IM, Singh BS, Saftoiu A, Bhutani MS
Endosc Ultrasound 2019, 8(3):146-150.

The Association Between Stress Level and Laboratory Parameters, Sex, Age and Stage Disease in Patients with Digestive and Bronchopulmonary Neoplasms

Calborean V, Gheorman V, Al Namat R, **Cazacu IM**, Varju P, Gede N, STREBA T, Vere CC, Gheonea DI, Gheorman V:
Rev Chim (Bucharest) 2017, 68:3010-3014.

Lactose intolerance but not lactose maldigestion is more frequent in patients with irritable bowel syndrome than in healthy controls: A meta-analysis

Varjú P, Gede N, Szakács Z, Hegyi P, **Cazacu IM**, Pécsi D, Fábrián A, Szepes Z, Vincze Á, Tenk J:
Neurogastroenterology & Motility 2019, 31(5):e13527.

The Effect of Psychoeducation on Anxiety in Women Undergoing Their Initial Breast Cancer Screening Mammography

Lungulescu CV, Lungulescu C, Lungulescu LT, Artene SA, **Cazacu IM**, Varju P, Dinescu S, Danciulescu M, Gheorman V:
The Journal of nervous and mental disease 2018, 206(12):931-934

EUS-guided fiducial placement for GI malignancies: a systematic review and meta-analysis

Coronel E, **Cazacu IM**, Sakuraba A, Luzuriaga Chavez AA, Uberoi A, Geng Y, Tomizawa Y, Saftoiu A, Shin EJ, Taniguchi CM et al: *Gastrointest Endosc* 2019, 89(4):659-670 e618.

The effect of serum triglyceride concentration on the outcome of acute pancreatitis: systematic review and meta-analysis

Kiss L, Fur G, Matrai P, Hegyi P, Ivany E, **Cazacu IM**, Szabo I, Habon T, Alizadeh H, Gyongyi Z et al:
Scientific reports 2018, 8(1):14096.

Aging and Comorbidities in Acute Pancreatitis I: A Meta-Analysis and Systematic Review Based on 194,702 Patients

Marta K, Lazarescu AM, Farkas N, Matrai P, **Cazacu IM**, Ottoffy M, Habon T, Eross B, Vincze A, Veres G et al: *Frontiers in physiology* 2019, 10:328.

Is it tumor encasement or arterial dissection/thrombosis? EUS to the rescue!

Cazacu IM, Singh BS, Tzeng CD, Tamm EP, Bhutani MS
VideoGIE 2019, 4(1):24-26.

Anaplastic Thyroid Carcinoma with Gastric Metastasis.

ChavezAAL, Iyer P, **Cazacu IM**, Cabanillas ME, Rashid A, Bhutani MS
Current health sciences journal 2018, 44(3):294.

Elusive case of dysphagia: Zenker's diverticulum masquerading as a cervical neoplasm

Singh BS, **Cazacu IM**, Ahmed O, Stroehlein JR, Bhutani MS:
Endoscopy 2019, 51(3):E63-E64

A Diagnostic Challenge: Pancreatic Cancer or Autoimmune Pancreatitis?

CazacuIM, Chavez AAL, Saftoiu A, Whitlow TG, Bhosale P, Bhutani MS:
Current health sciences journal 2018, 44(2):181.

Quality of life impact of EUS in patients at risk for developing pancreatic cancer

Cazacu IM, Chavez AAL, Mendoza TR, Qiao W, Singh BS, Bokhari RH, et al.
Endoscopic Ultrasound. 2020;9(1):53.

An open-label, single-arm pilot study of EUSguided brachytherapy with phosphorus-32 microparticles in combination with gemcitabine+/-nabpaclitaxel in unresectable locally advanced pancreatic cancer (OncoPaC-1): Technical details and study protocol.

Bhutani, M. S., J. B. Klapman, R. Tuli, G. El-Haddad, S. Hoffe, F. C. Wong, B. Chasen, D. R. Fogelman, S. K. Lo, **Cazacu IM**, Herman j *Endoscopic Ultrasound* 9, no. 1 (2020): 24.

Changes in tumor vascularity depicted by contrast-enhanced EUS as a predictor of prognosis and treatment efficacy in patients with unresectable pancreatic cancer (PEACE): A study protocol

Săftoiu, A., **Cazacu IM** et al.,
Endoscopic ultrasound, 2019. 8(4): p. 235.

"Differentiating intrapancreatic accessory spleen from a pancreatic neuroendocrine tumor or metastasis by the "bridge sign".

Bhutani, M. S., B. S. Singh, I. M. Cazacu and A. Saftoiu (2019). "Differentiating intrapancreatic accessory spleen from a pancreatic neuroendocrine tumor or metastasis by the "bridge sign"." *Endoscopic ultrasound*8(4): 281.

The Feasibility and Histological Diagnostic Accuracy of Novel Menghini Needle (EUS Sonopsy CY™) for Endoscopic Ultrasound-Guided Fine-Needle Aspiration Biopsy of Solid Pancreatic Masses: A Prospective Crossover Study Comparing Standard Biopsy Needles

Igarashi, R., Irisawa, A., Bhutani, M. S., **Cazacu, I. M.**, Shibukawa, G., Sato, A., ... & Ikeda, T.
Gastroenterology research and practice, 2019.doi: 10.1155/2019/5810653

Upfront molecular profiling of pancreatic cancer patients—An idea whose time has come

MS Bhutani, **IM Cazacu**, S Roy-Chowdhuri, A Maitra, MJ Pishvaian
Pancreatology 20 (3), 391-393

Diagnostic value of digital droplet polymerase chain reaction and digital multiplexed detection of single-nucleotide variants in pancreatic cytology specimens collected by EUS-guided FNA

Cazacu IM, Semaan A, Stephens B, Swartzlander DB, Guerrero PA, Singh BS, et al.
Gastrointestinal Endoscopy 2021 May;93(5):1142-1151.e2

The role of IgE specific for galactose- α -1, 3-galactose in predicting cetuximab induced hypersensitivity reaction: a systematic review and a diagnostic meta-analysis

C. Lungulescu, B Ungureanu, A. Turcu-Stiolica, **I.M Cazacu**, A.Grecu, V. C.Dinescu, A. Croitoru, S.R. Volovat
Scientific Reports 10 (1), 1-9

Impact of Fiducial Marker Placement Prior to SBRT on Clinical Outcomes in Patients with Pancreatic Cancer

Moningi S, Jaoude JA, Kouzy R, Lin D, Nguyen ND, Garcia Garcia CJ, **Cazacu IM** et al.
Advances in Radiation Oncology. 2020.

Evaluation of the Visibility and Artifacts of Seven Common Fiducials for Image-guided Radiation Therapy

JM Slagowski, **IM Cazacu**, R Martin, BAS Singh, LE Colbert, EJ Koay, CM Taniguchi, AC Koong, JM Herman, MS Bhutani, S Beddar
International Journal of Radiation Oncology• Biology• Physics 105 (1), E735-E736

Role of gastrointestinal endoscopy in the screening of digestive tract cancers in Europe: European Society of Gastrointestinal Endoscopy (ESGE) Position Statement

Adrian Săftoiu, Cesare Hassan, Miguel Areia, Manoop S Bhutani, Raf Bisschops, Erwan Bories, **Irina M Cazacu**, Evelien Dekker, Pierre H Deprez, Stephen P Pereira, Carlo Senore, Riccardo Capocaccia, Giulio Antonelli, Jeanin Van Hooft, Helmut Messmann, Peter D Siersema, Mario Dinis-Ribeiro, Thierry Ponchon
Endoscopy 52 (04), 293-304

EUS and EUS-guided FNA/core biopsies in the evaluation of subepithelial lesions of the lower gastrointestinal tract: 10-year experience

Cazacu IM, Ben S Singh, Adriana A Luzuriaga Chavez, Pramoda Koduru, Shamim Ejaz, Brian R Weston, William A Ross, Jeffrey H Lee, Sinchita Roy-Chowdhuri, Manoop S Bhutani
Endoscopic Ultrasound 9 (5), 329

Real-time computer-aided diagnosis of focal pancreatic masses from endoscopic ultrasound imaging based on a hybrid convolutional and long short-term memory neural network model

<https://doi.org/10.1371/journal.pone.0251701>

Anca Loredana Udriștoiu*, **Irina Mihaela Cazacu***, Lucian Gheorghe Gruionu, Gabriel Gruionu, Andreea Valentina Iacob, Daniela Elena Burtea, Bogdan Silviu Ungureanu, Mădălin Ionuț Costache, Alina Constantin, Carmen Florina Popescu, Ștefan Udriștoiu, Adrian Săftoiu

PLoS one, 16(6), e0251701.

*joint first authors

Clonal Hematopoiesis and Liquid Biopsy in Gastrointestinal Cancers

10.3389/fmed.2021.772166. eCollection 2021.

Vlad M. Croitrou, **Irina M. Cazacu**, Ionut Popescu, Doru Paul, Simona Olimpia Dima, Adina Emilia Croitoru, Alina Daniela Tanase

Front Med (Lausanne) 2022 Jan 21;8:772166.

Technical Performance, Overall Accuracy and Complications of EUS-Guided Interventional Procedures: A Dynamic Landscape

Irina Florina Cherciu Harbiyeli, Alina Constantin, **Irina Mihaela Cazacu**, Daniela Elena Burtea, Elena Codruța Gheorghe, Carmen Florina Popescu, Nona Bejinariu, Claudia Valentina Georgescu, Daniel Pirici, Bogdan Silviu Ungureanu, Cătălin Copăescu, Adrian Săftoiu

Diagnostics 12.7 (2022): 1641.

Quantitative contrast-enhanced endoscopic ultrasound in pancreatic ductal adenocarcinoma and pancreatic neuroendocrine tumors: can we predict survival using perfusion parameters? A pilot study.

Alina Liliana Constantin, **Irina Cazacu**, Daniela Elena Burtea, Irina Cherciu Harbiyeli, Nona Bejinariu, Carmen Popescu, Mircea Serbanescu, Daniela Tabacelia, Catalin Copaescu, Manoop Bhutani, Cezar Stroescu, Adrian Saftoiu

Medical Ultrasonography (2022).

Advanced EUS Imaging Techniques

Irina M Cazacu, Adrian Saftoiu, Manoop S Bhutani

Digestive diseases and sciences (2022): 1-11.

Precision Oncology With Germline and Somatic Sequencing in Pancreatic Cancer: The Time Is Now

Irina M Cazacu, Shubham Pant, Manoop S Bhutani

Pancreas 51.4 (2022): 295-296.

Evaluation of MMR Status and PD-L1 Expression Using Specimens Obtained by EUS-FNB in Patients with Pancreatic Ductal Adenocarcinoma (PDAC)

Alina Constantin, Vlad Iovănescu, **Irina Mihaela Cazacu**, Bogdan Silviu Ungureanu, Cătălin Copăescu, Cezar Stroescu, Nona Bejinariu, Adrian Săftoiu

Pancreas 51.4 (2022): 295-296.

Diagnostic Value of Artificial Intelligence-Assisted Endoscopic Ultrasound for Pancreatic Cancer: A Systematic Review and Meta-Analysis

Elena Adriana Dumitrescu, Bogdan Silviu Ungureanu, **Irina M Cazacu**, Lucian Mihai Florescu, Liliana Streba, Vlad M Croitoru, Daniel Sur, Adina Croitoru, Adina Turcu-Stiolică, Cristian Virgil Lungulescu
Diagnostics 12.2 (2022): 309.

● PREZENTARI CONFERINTE NATIONALE SI INTERNATIONALE

Mutations of CFTR, but not of SPINK1 elevate the risk for pancreatic cancer: a meta-analysis (first author)

poster - The 49th Meeting of European Pancreatic Club, Budapest, Hungary, 2017

Pancreatitis-associated genes and the risk of pancreatic cancer: a systematic review and meta-analysis

prezentare orală - Pancreatic Fest, Bucharest, Romania, 2017

Molecular markers performed on EUS-FNA samples in assessing diagnosis of pancreatic cancer: a systematic review and meta-analysis

poster - Digestive Disease Week, Washington DC, USA, 2018

Clinical impact of endoscopic ultrasound in the evaluation of subepithelial lesions in the lower gastrointestinal tract: 10-year, single-center experience

poster - at the Annual Meeting of the American College of Gastroenterology, Philadelphia, USA, 2018

Adverse events of endoscopic ultrasound-guided fine needle aspiration of lower gastrointestinal tract lesions: 10-year, single-center experience

(co-autor) - poster - Annual Meeting of the American College of Gastroenterology, Philadelphia, USA, 2018

Endoscopic ultrasound-through the needle microforceps biopsy in pancreatic cystic lesions: a systematic review

prezentare orală - ESGE Days Congress, Prague, Check Republic, 2018

New onset diabetes as a predictive factor of focal lesions in the pancreas in a high-risk screening program

(co-autor) - prezentare orală at ASCO, Chicago, USA, 2019

Diagnostic value of digital multiplexed detection of single nucleotide variants in pancreatic cancer specimens collected by endoscopic ultrasound fine-needle aspiration

poster - ESMO Conference, Barcelona, Spain, September 2019

Diagnostic Value of Semi-Quantitative Endoscopic Ultrasound Elastography in the Evaluation of Mediastinal and Abdominal Lymph Nodes (

presidential poster award at ACG Annual Meeting, San Antonio, Texas, USA, November 2019;

Endoscopic Ultrasound-Guided Fiducial Placement for Stereotactic Body Radiation Therapy in Patients With Pancreatic Adenocarcinoma (

poster - ACG Annual Meeting, San Antonio, Texas, USA, November 2019

The influence of gut microbiota on cancer immunotherapy

prezentare orală - Oncology Winter School, editia IIa, Timisoara, February 2020

Sorafenib Treatment of Advanced Hepatocellular Carcinoma in Daily Practice

prezentare orală - Zilele Medicale și Științifice ale Institutului Oncologic „Prof. Dr. Alexandru Trestioreanu” București, August 2020

Screening Patients at High Risk for Pancreatic Cancer-Moving Towards a Paradigm Shift

prezentare orală - STOP CANCER symposium, Bucharest, October 2020

The Management of Oncologic Patients during the COVID-19 Pandemic: The Romanian experience

prezentare orală - Oncodigest, Bucharest, November 2020

● **PROIECTE DE CERCETARE/GRANTURI**

Pathogenic mechanisms and personalized treatment in pancreatic cancer using multi-omic technologies (PANCNGS) - Autoritatea de finanțare :Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării Dezvoltării și Inovării (UEFISCDI)

Asistent cercetare

Improving Cancer Diagnostics in Flexible Endoscopy using Artificial Intelligence and Medical Robotics « IDEAR, NORWAY Grants 2019 – RO - NO - 2019 - 0138 , 19/202

Asistent cercetare

PREdictive Machine Learning Algorithm for the DYNAMIC Evaluation of Pancreatic Cancer during Multimodal Therapy (PREDYCT) - Project code PN-III-P4-ID-PCE2020-0884

Asistent cercetare

Hematopoieza clonală în cancerul de pancreas - zgomot biologic sau semnificație clinică importantă? - Proiect de cercetare postdoctorală finanțat de UEFISCDI

Director de proiect