

PERSONAL DETAILS

Name: Maria Bencivenga

Gender: [REDACTED]

Date of Birth: [REDACTED]

Birthplace: [REDACTED]

Nationality: [REDACTED]n)

Languages: Italian (native tongue), English (fluent written and spoken)

Home Address: [REDACTED]

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CURRICULUM VITAE ET STUDIORUM

EDUCATION

May 2016: General Surgery Degree, University of Verona (50/50 cum laude)

July 2009: M.D. degree, School of Medicine, University of Naples Federico II, Italy (110/110 cum laude).

PROFESSIONAL REGISTRATIONS

Italian Medical Association (Ordine dei Medici, Provincia di Napoli) – since 2010

PROFESSIONAL EXPERIENCE

Present appointment

October 2022 – pr: Associate Professor (Dip. L.240/2010) Department of Surgery, Verona University.

Achievement of National Scientific qualification as full professor in the Italian higher education system, in the call 2021/2023 (Ministerial Decree n. 553/2021 and 589/2021) for the disciplinary field of 06/C1 - General surgery. The validity of the qualification is 11 years, starting from the 17/12/2023 and will expire on the 17/12/2034.

Previous appointments

October 2019 – October 22: Senior Researcher at (Dip. L.240/2010) Department of Surgery, Verona University with Qualification to Associate Professor achieved in November 2020.

October 2017 – October 2019: Junior Researcher at (Dip. L.240/2010) Department of Surgery, Verona University June 2016 - June 2017 Research Fellow at (Dip. L.240/2010) Department of Surgery, Verona University

Nov 2014 – April 2015 visiting researcher at Seoul National University Hospital under the supervision of Prof. Han-Kwan Yang in order to deepen her knowledge in the field of gastric cancer.

Aug 2009 – May 2010 Trainee in General Surgery at Upper GI surgical Unit AOUI Verona University of Verona, Italy Academic Supervisor: Professor Giovanni de Manzoni

Nov 2014 – May 2015 Visiting Clinical Fellow Upper GI surgical Unit AOUI Verona University of Verona, Italy Academic Supervisor: Professor Giovanni de Manzoni

Dec 2006 – July 2009 Pre-graduate Internship Department of General Surgery – University Federico II of Naples Naples, Italy Supervisor: Prof. Giovanni Persico

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- GIRCG (Italian Research Group for Gastric Cancer)
- IGCA (International Gastric Cancer Association)
- ESMO (European Society for Medical Oncology)
- ESDO (European Society of Digestive Oncology)

ACCOMPLISHMENTS AND ONGOING ACTIVITIES

Clinical activity

Since May 2010 I have worked as Trainee in General Surgery at the Department of General Surgery, Upper GI Surgical Unit of the University Hospital in Verona, Italy. Under the supervision of General Surgery specialists, I have gained experience in the clinical and surgical management of patients with a wide range of digestive tract disorders, mainly oncological disease.

Then, from May 2017 as a specialist, I performed as first surgeon more than 500 surgical operations for esofago-gastric malignancies at General and Upper GI Surgery Unit of Verona University. Currently, I am focused on minimally invasive techniques.

Clinical research

Author/co-author of 90 publications in Pubmed indexed journals.

Scopus H-index: 21. Total citations: 1200.

Leader at Verona University of a program funded by the Italian Ministry of University and Research within the "Departments of Excellence" on technological innovation in robotic surgery, translational and regenerative medicine.

Responsible of Surgical Oncology Translational Lab at LURM – University of Verona.

List of publications

1. Kim TH, Uyama I, Rha SY, Bencivenga M, An J, Wyrwicz L, Koo DH, van Hillegersberg R, Lee KW, Li G, Yoshikawa T, Badgwell B, Lorenzen S, Kim IH, Lee IS, Han HS, Hoon H. Conversion Therapy for Stage IV Gastric Cancer: Report From the Expert Consensus Meeting at KINGCA WEEK 2024. *J Gastric Cancer*. 2025 Jan;25(1):133-152. doi: 10.5230/jgc.2025.25.e9. PMID: 39822172; PMCID: PMC11739646.
2. Raimondi A, Lonardi S, Murgioni S, Cardellino GG, Tamberi S, Strippoli A, Palermo F, De Manzoni G, Bencivenga M, Bittoni A, Chiodoni C, Lorenzini D, Todoerti K, Manca P, Sangaletti S, Prisciandaro M, Randon G, Nichetti F, Bergamo F, Brich S, Belfiore A, Bertolotti A, Stetco D, Guidi A, Torelli T, Vingiani A, Joshi RP, Khoshdeli M, Beaubier N, Stumpe MC, Nappo F, Leone AG, Pircher CC, Leoncini G, Sabella G, Airo' Farulla L, Alessi A, Morano F, Martinetti A, Niger M, Fassan M, Di Maio M, Kaneva K, Milione M, Nimeiri H, Sposito C, Agnelli L, Mazzaferro V, Di Bartolomeo M, Pietrantonio F. Tremelimumab and durvalumab as neoadjuvant or non-operative management strategy of patients with microsatellite instability-high resectable gastric or gastroesophageal junction adenocarcinoma: the INFINITY study by GONO. *Ann Oncol*. 2024 Dec 3:S0923-7534(24)04953-6. doi: 10.1016/j.annonc.2024.11.016. Epub ahead of print. PMID: 39637944.
3. Provenzano L, Gwee YX, Conca V, Lonardi S, Bozzarelli S, Tamburini E, Passardi A, Zaniboni A, Tosi F, Aprile G, Nasca V, Boccaccino A, Ambrosini M, Vetere G, Carullo M, Guaglio M, Battaglia L, Zhao JJ, Chia DKA, Yong WP, Tan P, So J, Kim G, Shabbir A, Ong CJ, Casella F, Cremolini C, Bencivenga M, Sundar R, Pietrantonio F. Unveiling the prognostic significance of malignant ascites in advanced gastrointestinal cancers: a marker of peritoneal carcinomatosis burden. *Ther Adv Med Oncol*. 2024 Nov 4;16:17588359241289517. doi: 10.1177/17588359241289517. PMID: 39502404; PMCID: PMC11536604.
4. Weindelmayer J, Mengardo V, Ascari F, Baiocchi GL, Casadei R, De Palma GD, De Pascale S, Elmore U, Ferrari GC, Framarini M, Gelmini R, Gualtierotti M, Marchesi F, Milone M, Puca L, Reddavid R, Rosati R, Solaini L, Torroni L, Totaro L, Veltri A, Verlato G, de Manzoni G; Italian Research Group for Gastric Cancer (GIRCG). Prophylactic Drain Placement and Postoperative Invasive Procedures After Gastrectomy: The Abdominal Drain After Gastrectomy (ADIGE) Randomized Clinical Trial. *JAMA Surg*. 2024 Nov 27. doi: 10.1001/jamasurg.2024.5227. Epub ahead of print. PMID: 39602143.
5. Schneider MA, Kim J, Berlth F, Sugita Y, Grimminger PP, Wijnhoven BPL, Overtom H, Gockel I, Thieme R, Griffiths EA, Butterworth W, Nienhäuser H, Müller B, Crnovrsanin N, Gero D, Nickel F, Gisbertz S, van Berge Henegouwen MI, Pucher PH, Khan K, Chaudry A, Patel PH, Pera M, Dal Cero M, Garcia C, Martinez Salinas G, Kassab P, Prado Castro OA, Norero E, Wisniewski P, Putnam LR, Lombardi PM, Ferrari G, Gudaityte R, Maleckas A, Prodehl L, Castaldi A, Prudhomme M, Lee HJ, Sano T, Baiocchi GL, De Manzoni G, Giacomuzzi S, Bencivenga M, Rosati R, Puccetti F, D'Ugo D, Nunobe S, Yang HK, Gutschow CA; GASTRODATA consortium. Reconstruction Techniques and Associated Morbidity in Minimally Invasive Gastrectomy for Cancer - Insights from the GastroBenchmark and

GASTRODATA databases. *Ann Surg*. 2024 Aug 5. doi: 10.1097/SLA.0000000000006470. Epub ahead of print. PMID: 39101212.

6. Molinari C, Solaini L, Rebuzzi F, Tedaldi G, Angeli D, Petracci E, Prascevic D, Ewald J, Rahm E, Canale M, Giovanni M, Tomezzoli A, Bencivenga M, Ambrosio MR, Marrelli D, Morgagni P, Ercolani G, Ulivi P, Saragoni L. Genomic events stratifying prognosis of early gastric cancer. *Gastric Cancer*. 2024 Jul 19. doi: 10.1007/s10120-024-01536-z. Epub ahead of print. PMID: 39028418.
7. Dal Cero M, Gibert J, Grande L, Gimeno M, Osorio J, Bencivenga M, Fumagalli Romario U, Rosati R, Morgagni P, Gisbertz S, Polkowski WP, Lara Santos L, Kołodziejczyk P, Kielan W, Reddavid R, van Sandick JW, Baiocchi GL, Gockel I, Davies A, Wijnhoven BPL, Reim D, Costa P, Allum WH, Piessen G, Reynolds JV, Mönig SP, Schneider PM, Garsot E, Eizaguirre E, Miró M, Castro S, Miranda C, Monzonis-Hernández X, Pera M, On Behalf Of The Spanish Eurecca Esophagogastric Cancer Group And The European Gastrodata Study Group. International External Validation of Risk Prediction Model of 90-Day Mortality after Gastrectomy for Cancer Using Machine Learning. *Cancers (Basel)*. 2024 Jul 5;16(13):2463. doi: 10.3390/cancers16132463. PMID: 39001525; PMCID: PMC11240515.
8. Pelc Z, Sędlak K, Leśniewska M, Mielniczek K, Chawrylak K, Skórzewska M, Ciszewski T, Czechowska J, Kiszczyńska A, Wijnhoven BPL, Van Sandick JW, Gockel I, Gisbertz SS, Piessen G, Eveno C, Bencivenga M, De Manzoni G, Baiocchi GL, Morgagni P, Rosati R, Fumagalli Romario U, Davies A, Endo Y, Pawlik TM, Roviello F, Bruns C, Polkowski WP, Rawicz-Pruszyński K. Textbook Neoadjuvant Outcome-Novel Composite Measure of Oncological Outcomes among Gastric Cancer Patients Undergoing Multimodal Treatment. *Cancers (Basel)*. 2024 Apr 28;16(9):1721. doi: 10.3390/cancers16091721. PMID: 38730672.
9. Kroese TE, van Laarhoven HWM, Schoppman SF, Deseyne PRAJ, van Cutsem E, Haustermans K, Nafteux P, Thomas M, Obermannova R, Mortensen HR, Nordmark M, Pfeiffer P, Elme A, Adenis A, Piessen G, Bruns CJ, Lordick F, Gockel I, Moehler M, Gani C, Liakakos T, Reynolds J, Morganti AG, Rosati R, Castoro C, Cellini F, D'Ugo D, Roviello F, Bencivenga M, de Manzoni G, van Berge Henegouwen MI, Hulshof MCCM, van Dieren J, Vollebergh M, van Sandick JW, Jeene P, Muijs CT, Slingerland M, Voncken FEM, Hartgrink H, Creemers GJ, van der Sangen MJC, Nieuwenhuijzen G, Berbee M, Verheij M, Wijnhoven B, Beerepoot LV, Mohammad NH, Mook S, Ruurda JP, Kolodziejczyk P, Polkowski WP, Wyrwicz L, Alsina M, Pera M, Kanonnikoff TF, Cervantes A, Nilsson M, Monig S, Wagner AD, Guckenberger M, Griffiths EA, Smyth E, Hanna GB, Markar S, Chaudry MA, Hawkins MA, Cheong E, van Hillegersberg R, van Rossum PSN; OMEC collaborators. Definition, diagnosis and treatment of oligometastatic oesophagogastric cancer: A Delphi consensus study in Europe. *Eur J Cancer*. 2023 May;185:28-39. doi: 10.1016/j.ejca.2023.02.015. Epub 2023 Feb 24. PMID: 36947929.
10. Bencivenga M, Verlato G, de Manzoni G. Beyond years: evaluating the impact of surgeon age on outcomes after gastric cancer surgery. *BJS Open*. 2024 Mar 1;8(2):zrae016. doi: 10.1093/bjsopen/zrae016. PMID: 38669193; PMCID: PMC11049578.
11. Morgagni P, Bencivenga M, Carneiro F, Cascinu S, Derks S, Di Bartolomeo M, Donohoe C, Eveno C, Gisbertz S, Grimminger P, Gockel I, Grabsh H, Kassab P, Langer R, Lonardi S,

- Maltoni M, Markar S, Moehler M, Marrelli D, Mazzei MA, Melisi D, Milandri C, Moenig PS, Mostert B, Mura G, Polkowski W, Reynolds J, Saragoni L, Van Berge Henegouwen MI, Van Hillegersberg R, Vieth M, Verlato G, Torroni L, Wijnhoven B, Tiberio GAM, Yang HK, Roviello F, de Manzoni G. International consensus on the management of metastatic gastric cancer: step by step in the foggy landscape : Bertinoro Workshop, November 2022. *Gastric Cancer*. 2024 Apr 18. doi: 10.1007/s10120-024-01479-5. Epub ahead of print. PMID: 38634954.
12. Malpeli G, Filippini F, Tedone F, Torroni L, Alloggio M, Castelli C, Dal Cero M, Perris R, Tomezzoli A, De Manzoni G, Bencivenga M. Influence of Tumor Stroma on the Aggressiveness of Poorly Cohesive Gastric Carcinoma. *J Pers Med*. 2024 Feb 9;14(2):194. doi: 10.3390/jpm14020194. PMID: 38392627; PMCID: PMC10890005.
 13. Schneider MA, Kim J, Berlth F, Sugita Y, Grimminger PP, Sano T, Rosati R, Baiocchi GL, Bencivenga M, De Manzoni G, Nunobe S, Yang HK, Gutschow CA; GastroBenchmark Consortium; GASTRODATA Consortium. Defining benchmarks for total and distal gastrectomy: global multicentre analysis. *Br J Surg*. 2024 Jan 31;111(2):znad379. doi: 10.1093/bjs/znad379. PMID: 38377359; PMCID: PMC10878554.
 14. Geroi C, Weindelmayer J, Camozzi S, Leone B, Turolo C, Hetaja S, Bencivenga M, Sacco M, De Pasqual CA, Mattioni E, de Manzoni G, Giacomuzzi S. Clinical predictors of postoperative complications in the context of enhanced recovery (ERAS) in patients with esophageal and gastric cancer. *Updates Surg*. 2024 Feb 15. doi: 10.1007/s13304-023-01739-6. Epub ahead of print. PMID: 38358642.
 15. Bencivenga M, Ministrini S, Morgagni P, Mura G, Marrelli D, Milandri C, Mazzei MA, Berselli M, Monti M, Graziosi L, Reddavid R, Rosa F, Solaini L, Donini A, Fumagalli Romario U, Roviello F, de Manzoni G, Tiberio GAM. Oligometastatic Gastric Cancer: Clinical Data from the Meta-Gastro Prospective Register of the Italian Research Group on Gastric Cancer. *Cancers (Basel)*. 2023 Dec 29;16(1):170. doi: 10.3390/cancers16010170. PMID: 38201597; PMCID: PMC10778436.
 16. Ministrini S, Bencivenga M, Filippini F, Mura G, Milandri C, Mazzei MA, Bagnacci G, Berselli M, Monti M, Morgagni P, Solaini L, Marrelli D, Piccioni S, De Pascale S, Graziosi L, Reddavid R, Rosa F, Belluco C, Tiberio G; Collaborators. A pragmatic approach improves the clinical management of stage IV gastric cancer: Comparison between the Meta-Gastro results and the GIRCG's retrospective series. *Eur J Surg Oncol*. 2024 Jan;50(1):107275. doi: 10.1016/j.ejso.2023.107275. Epub 2023 Nov 21. PMID: 37995604.
 17. Dal Cero M, Bencivenga M, Liu DHW, Sacco M, Alloggio M, Kerckhoffs KGP, Filippini F, Saragoni L, Iglesias M, Tomezzoli A, Carneiro F, Grabsch HI, Verlato G, Torroni L, Piessen G, Pera M, de Manzoni G. Clinical Features of Gastric Signet Ring Cell Cancer: Results from a Systematic Review and Meta-Analysis. *Cancers (Basel)*. 2023 Oct 28;15(21):5191. doi: 10.3390/cancers15215191. PMID: 37958365; PMCID: PMC10647446.
 18. Schirizzi A, Arshadi A, Tolomeo D, Schirosi L, Valentini AM, De Leonardis G, Refolo MG, Donghia R, Storlazzi CT, Zito A, Ricci AD, Vallarelli S, Ostuni C, Bencivenga M, De Manzoni G,

Messa C, Armentano R, Giannelli G, Lotesoriere C, D'Alessandro R. VEGFA Status as a Predictive Marker of Therapy Outcome in Metastatic Gastric Cancer Patients Following Ramucirumab-Based Treatment. *Biomedicines*. 2023 Oct 7;11(10):2721. doi: 10.3390/biomedicines11102721. PMID: 37893095; PMCID: PMC10603940.

19. Bencivenga M, Torroni L, Dal Cero M, Quinzii A, Zecchetto C, Merz V, Casalino S, Taus F, Pietrobono S, Mangiameli D, Filippini F, Alloggio M, Castelli C, Iglesias M, Pera M, Melisi D. YAP Activation Is Associated with a Worse Prognosis of Poorly Cohesive Gastric Cancer. *J Pers Med*. 2023 Aug 24;13(9):1294. doi: 10.3390/jpm13091294. PMID: 37763062; PMCID: PMC10532557.
20. Casella F, Bencivenga M, Brancato G, Torroni L, Ridolfi C, Puccio C, Alloggio M, Meloni F, Fusario D, Marrelli D, Giacomuzzi S, Roviello F, de Manzoni G. Bidirectional Approach with PIPAC and Systemic Chemotherapy for Patients with Synchronous Gastric Cancer Peritoneal Metastases (GCPM). *Ann Surg Oncol*. 2023 Sep;30(9):5733-5742. doi: 10.1245/s10434-023-13572-7. Epub 2023 Jun 3. PMID: 37270440; PMCID: PMC10409663.
21. Zecchetto C, Quinzii A, Casalino S, Gaule M, Pesoni C, Merz V, Pietrobono S, Mangiameli D, Pasquato M, Milleri S, Giacomuzzi S, Bencivenga M, Tomezzoli A, de Manzoni G, Melisi D. Targeting FGFR Pathway Is Not an Effective Therapeutic Strategy in Patients with Unselected Metastatic Esophagogastric Cancer Resistant to Trastuzumab. *J Pers Med*. 2023 Mar 11;13(3):508. doi: 10.3390/jpm13030508. PMID: 36983691; PMCID: PMC10051335.
22. Weindelmayer J, De Pasqual CA, Turolo C, Gervasi MC, Sacco M, Bencivenga M, Giacomuzzi S. Robotic versus open Ivor-Lewis esophagectomy: A more accurate lymph node dissection without burdening the leak rate. *J Surg Oncol*. 2023 Jun;127(7):1109-1115. doi: 10.1002/jso.27246. Epub 2023 Mar 27. PMID: 36971002.
23. Kroese TE, van Laarhoven HWM, Schoppman SF, Deseyne PRAJ, van Cutsem E, Haustermans K, Nafteux P, Thomas M, Obermannova R, Mortensen HR, Nordmark M, Pfeiffer P, Elme A, Adenis A, Piessen G, Bruns CJ, Lordick F, Gockel I, Moehler M, Gani C, Liakakos T, Reynolds J, Morganti AG, Rosati R, Castoro C, Cellini F, D'Ugo D, Roviello F, Bencivenga M, de Manzoni G, van Berge Henegouwen MI, Hulshof MCCM, van Dieren J, Vollebbergh M, van Sandick JW, Jeene P, Muijs CT, Slingerland M, Voncken FEM, Hartgrink H, Creemers GJ, van der Sangen MJC, Nieuwenhuijzen G, Berbee M, Verheij M, Wijnhoven B, Beerepoot LV, Mohammad NH, Mook S, Ruurda JP, Kolodziejczyk P, Polkowski WP, Wyrwicz L, Alsina M, Pera M, Kanonnikoff TF, Cervantes A, Nilsson M, Monig S, Wagner AD, Guckenberger M, Griffiths EA, Smyth E, Hanna GB, Markar S, Chaudry MA, Hawkins MA, Cheong E, van Hillegersberg R, van Rossum PSN; OMEC collaborators. Definition, diagnosis and treatment of oligometastatic oesophagogastric cancer: A Delphi consensus study in Europe. *Eur J Cancer*. 2023 May;185:28-39. doi: 10.1016/j.ejca.2023.02.015. Epub 2023 Feb 24. PMID: 36947929.
24. Fanotto V, Salani F, Vivaldi C, Scartozzi M, Ribero D, Puzzoni M, Montagnani F, Leone F, Vasile E, Bencivenga M, De Manzoni G, Basile D, Fornaro L, Masi G, Aprile G. Primary Tumor Resection for Metastatic Colorectal, Gastric and Pancreatic Cancer Patients: In Search of Scientific Evidence to Inform Clinical Practice. *Cancers (Basel)*. 2023 Jan 31;15(3):900. doi: 10.3390/cancers15030900. PMID: 36765854; PMCID: PMC9913845.

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31. Solaini L, **Bencivenga M**, Rosa F, D'ignazio A, Marino E, Ministrini S, Sofia S, Sacco M, Mura G, Rausa E, Prizio M, Graziosi L, Degiuli M, Tiberio GAM, Alfieri S, Marrelli D, Morgagni P, Ercolani G. Consequences of the COVID-19 pandemic on the diagnosis and treatment of gastric cancer in referral centers in Italy. *Tumori.* 2022 Feb 13:3008916211072586. doi: 10.1177/03008916211072586. Epub ahead of print. PMID: 35152794.
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33. Solaini L, **Bencivenga M**, D'ignazio A, Milone M, Marino E, De Pascale S, Rosa F, Sacco M, Fumagalli Romario U, Graziosi L, De Palma G, Marrelli D, Morgagni P, Ercolani G. Which gastric cancer patients could benefit from staging laparoscopy? A GIRCG multicenter cohort study. *Eur J Surg Oncol*. 2022 Jan 22:S0748-7983(22)00046-4. doi: 10.1016/j.ejso.2022.01.020. Epub ahead of print. PMID: 35101316.
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National and international Grants

- Scientific manager of the “Departments of Excellence 2023-2027” project for the Department of Surgical, Odontostomatological and Mother-Child Sciences, financed by the MUR.
- Translational experimentation coordinator of the project “PNRR-POC-2022-12376831-Theranostics in gastric cancer through immunotargeting of the CSPG4 cell surface proteoglycan”.
- Co-investigator of the project "Enhancement of "Image-guided" Surgical Techniques for the Treatment of Gastric Tumors through the Preclinical Development of a New Modular Sensory Probe called Theranobody" funded by the "In Sistema Ricerca" call - 2023 of the CDP Foundation.

Editorial Boards

- Review Editor of Frontiers in Oncology, section Surgical Oncology, journal indexed on Pubmed and with IF= 6.244.
- Member of Editorial Board of British Journal of Surgery (BJS), journal indexed on Pubmed and with IF= 8.6.

Awards

- Best Poster Award – Third EUNE Gastric Cancer International Workshop Cologne, June 8-9, 2012 Germany
- Best Oral Presentation – Korean International Gastric Cancer Week, Seoul, September 13-14, 2023, South Korea

International experiences with publications

6-month fellowship at the Department of Surgery, Seoul National University Hospital, Seoul, South Korea, as head of an international research project. The results of this project were the subject of the following scientific publication in a journal with impact factor:

BENCIVENGA, Maria, VERLATO, Giuseppe, Han, D. S, Marrelli, D, Roviello, F, Yang, H. K, DE MANZONI, Giovanni (2017). Validation of two prognostic models for recurrence and survival after radical gastrectomy for gastric cancer. BRITISH JOURNAL OF SURGERY, vol. 104, p. 1235-1243, ISSN: 0007-1323, doi: 10.1002/bjs.10551

I authorize the processing of personal data contained in this C.V., pursuant to EU Regulation 2016/679 and the Privacy Code (Legislative Decree no. 196/2003 and subsequent amendments).

Verona 10/03/2025

Prof.ssa Maria Bencivenga

A handwritten signature in black ink, appearing to read 'Maria Bencivenga', written in a cursive style.