



ILARIA CAPASSO, MD

CONTACT INFORMATION

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Date of birth: Feb 12, 1994 (Age: 30 y)

Nationality: Italian

PRESENTATION

I am a trained gynecologist. I completed my residency in Obstetrics and Gynecology at Fondazione Policlinico Universitario Agostino Gemelli IRCCS (Rome, Italy). Between my third and fourth year of residency, I pursued a research fellowship in the Department of Gynecologic Oncology at Mayo Clinic (Rochester, Minnesota, USA). Since 2023, I have held the position of Research Collaborator in the Department of Gynecologic Oncology at Mayo Clinic. I have always been fond of gynecologic oncology since medical school, actively participating in research, surgical and clinical activities at Fondazione Policlinico Universitario Agostino Gemelli IRCCS. During my year of research in the United States, I've matured expertise in both clinical and translational research in the field of gynecologic oncology, taking the lead of relevant scientific projects and activities, with a particular focus on endometrial cancer.

EXPERIENCE

Nov 2019 – October 2024
Rome, Italy

Resident Doctor in Gynecology and Obstetrics
Catholic University of the Sacred Heart
Fondazione Policlinico Universitario Agostino Gemelli IRCCS

Mentored and supervised by Professor Giovanni Scambia, Professor Francesco Fanfani and Professor Anna Fagotti.

Residency in Obstetrics and Gynecology
Department of Obstetrics and Gynecology,
Catholic University of Sacred Heart, Rome
Fondazione Policlinico Universitario Agostino Gemelli
Largo Agostino Gemelli 8, 00168 Roma (Italy), www.policlinicogemelli.it

Gynecologic Surgery
Minimally invasive surgery (included Robotic surgery)
Gynecologic Ultrasound
Hysteroscopy
Physiological and pathological pregnancy management
Obstetric/Gynecological emergencies

May 2022 – May 2023
Rochester, MN, US

Visiting Research Fellow
Mayo Clinic

Mentored and supervised by Professor Andrea Mariani.

Clinical Research in Gynecologic Oncology
Division of Gynecologic Oncology

Mayo Clinic, Rochester, MN, US
200 1st St SW, Rochester, MN, 55905 (US), www.mayoclinic.org

Endometrial and ovarian cancer clinical and translational research.

Specific fields of research:

Artificial Intelligence/ Deep learning application in cancer diagnosis
Circulating tumor DNA (ctDNA) in endometrial cancer
Microbiome and conservative management in endometrial cancer
Endometrial cancer molecular analysis and classification
Recurrence in endometrial cancer
Interactive digital plan in the management of patients with cancer
Ethnic disparities in gynecologic oncology

September 2023 – Present

Research Collaborator

Mayo Clinic

Mentored and supervised by Professor Andrea Mariani.

Clinical and Translational Research in Gynecologic Oncology
Division of Gynecologic Oncology
Mayo Clinic, Rochester, MN, US
200 1st St SW, Rochester, MN, 55905 (US), www.mayoclinic.org

January 2024 – May 2024

International Journal of Gynecological Cancer (IJGC) Editorial Fellow
IJGC

Mentored and supervised by Professor Pedro T. Ramirez.

August 2024 – Present
Rome, Italy

Consultant Gynecologist

Fondazione Policlinico Universitario Agostino Gemelli IRCCS

Fondazione Policlinico Universitario Agostino Gemelli
Gynecologic Oncology Unit
Largo Agostino Gemelli 8, 00168 Roma (Italy), www.policlinicogemelli.it

Gynecologic Surgery
Minimally invasive surgery (included Robotic surgery)
Gynecological emergencies

EDUCATION

Sept 2008 – Jul 2012
Rome, Italy

Scientific High School Diploma

Liceo Scientifico Farnesina, PNI
Final score: 97/100

Nov 2012 – Jul 2018
Rome, Italy

Bachelor Degree in Medicine and Surgery

Università Campus Biomedico di Roma

Final score: 110/110 cum laude

Nov 2018 – Feb 2019
Rome, Italy

Professional License
Sapienza Università di Roma

Nov 2019 – Oct 2024
Rome, Italy

Residency in Gynecology and Obstetrics
Catholic University of the Sacred Heart
Final score: 50/50 cum laude

Oct 2021 – Nov 2021
Rome, Italy

Bachelor in Endoscopy Certificate (GESEA level 1)
The Gynaecological Endoscopic Surgical Education and Assessment (GESEA)

First level Bachelor in Endoscopy.

- Minimally invasive surgery
- Hysteroscopy

Nov 2022

International Ovarian Tumor Analysis (IOTA) Certification

June 2023
Rome, Italy

Hands-on Cadaveric Course on Laparoscopic/Laparotomic Surgical Dissection for Deep Infiltrative Endometriosis, Gynecologic Oncology and Urogynecology

Fondazione Policlinico Universitario Agostino Gemelli IRCCS

April 2024
Hamburg, Germany

GET UP 2024 (Gynecology Expert Training for Upcoming Professionals)
Hamburg, Germany

June 2024
Rome, Italy

Bachelor in Endoscopy Certificate (GESEA level 2)
The Gynaecological Endoscopic Surgical Education and Assessment (GESEA)

Second level Bachelor in Endoscopy.

- Minimally invasive surgery
- Hysteroscopy

October 2024
Marseille, France

GESEA Robotics Certification

LANGUAGES

English

Advanced

Cambridge First Certificate (level B2) (2011)

IELTS overall score 7 (March 2019)

Italian

Native

SKILLS

- Communication skills
 - Public speaking
 - Ability to multitask and handle busy patient workload
 - Excellent bedside manner
 - Teamwork
 - Problem-Solving
 - Knowledge regarding wound care, infection management and bandaging
 - Empathetic with remarkable listening skills
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MEMBERSHIPS

- Member of ENITEC (European Network of Individual Treatment in Endometrial Cancer)
 - Member of ESGO (European Society of Gynaecological Oncology)
 - Member of ISUOG (International Society of Ultrasound in Obstetrics and Gynecology)
 - IOTA (International Ovarian Tumor Analysis) certificate (November 8, 2022)
 - Member of ESGE (European Society for Gynaecological Endoscopy)
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INVITED SPEAKER

- Mayo-Gemelli: Let's do it better together (*Conference, February 2023, Rome, Italy*)
 - AI-based model for early endometrial cancer detection using TVUS
 - The role of ctDNA in predicting prognosis and risk of recurrence: data from Mayo Clinic
 - NSMP: a heterogeneous molecular entity, and the role of estrogen receptors in risk stratification
 - ESGO 2023 Congress: Artificial Intelligence (AI) model for the early detection of endometrial cancer by transvaginal ultrasound in patients with postmenopausal bleeding. (*Oral Presentation at the "Young Investigators" session, ESGO 2023 congress, Istanbul, Turkey*)
 - ESGE 2024 Congress: New perspectives for SLN detection and evaluation (*Marseille, France, October 2024*)
 - ENITEC 2025: Are all mismatch repair endometrial cancers created equal? (*Rome, Italy, February 2025*)
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AWARDS

- Lead Article August 2023 for International Journal of Gynecological Cancer (IJGC)
 - *Original research*: Capasso I., et al., Prognostic factors in patients with endometrial cancer with isolated lymphatic recurrence. *Int J Gynecol Cancer*. 2023
- "Artificial Intelligence (AI) model for the early detection of endometrial cancer by transvaginal ultrasound in patients with postmenopausal bleeding" by Capasso I. et al. has been recognized among the best original research at ESGO 2023 congress (*Kacperczyk-Bartnik J, et al. Best original research presented at the 23rd European Congress on Gynaecological Oncology-Best of ESGO 2022. Int J Gynecol Cancer. 2023 Feb 6;33(2):175-182. doi: 10.1136/ijgc-2022-004184. PMID: 36521934*)
- Contribution to the preparation and writing of a scientific National PNRR Grant titled "Radiogenomics to support and implement biomarkers guided delivery of precision medicine in uterine confined endometrial cancer". The project has been selected as one of the winning projects, and has been assigned a total amount of € 980.000.

PUBLICATIONS

- 1) *Buda A, Fruscio R, Mauro J, Imboden S, De Ponti E, Perrone E, Grassi T, Bruno V, Garcia-Pineda V, Taskin S, Restaino S, Siegenthaler F, Casarin J, Raimondo D, Capozzi VA, Vatansever D, Capasso I, Vizza E, Gungor M, Zapardiel I, Papadia A, Taskiran C, Fanfani F.* The impact of Substantial LYmphovascular space invasion on sentinel lymph nodes status and recurrence in Endometrial Cancer patients: SLYM-EC a multicenter retrospective study. *European Journal of Surgical Oncology*. October 2024.
- 2) *Perrone E, Capasso I, Giannarelli D, Trozzi R, Congedo L, Ervas E, Tarantino V, Esposito G, Palmieri L, Guaita A, Van Rompuy AS, Zannoni GF, Scambia G, Amant F, Fanfani F.* Less is more? Comparison between genomic profiling and immunohistochemistry-based models in endometrial cancer molecular classification: A multicenter, retrospective, propensity-matched survival analysis. *Gynecologic Oncology*, October 16, 2024.
- 3) *Capasso I, Cucinella G, Wright DE, Takahashi H, De Vitis LA, Gregory AV, Kim B, Reynolds E, Fumagalli D, Occhiali T, Fought AJ, McGree ME, Packard AT, Causa Andrieu PI, Fanfani F, Scambia G, Langstraat CL, Famuyide A, Breitkopf DM, Mariani A, Glaser GE, Kline TL.* Artificial intelligence model for enhancing the accuracy of transvaginal ultrasound in detecting endometrial cancer and endometrial atypical hyperplasia. *Int J Gynecol Cancer*. 2024 Oct 7;34(10):1547-1555. doi: 10.1136/ijgc-2024-005652. PMID: 39089731.
- 4) *Dinoi G, Tarantino V, Bizzarri N, Perrone E, Capasso I, Giannarelli D, Querleu D, Giuliano MC, Fagotti A, Scambia G, Fanfani F.* Robotic-assisted versus conventional laparoscopic surgery in the management of obese patients with early endometrial cancer in the sentinel lymph node era: a randomized controlled study (RObese). *Int J Gynecol Cancer*. 2024 May 6;34(5):773-776. doi: 10.1136/ijgc-2023-005197. PMID: 38326228.
- 5) *De Vitis LA, Fumagalli D, Schivardi G, Capasso I, Grcevich L, Multinu F, Cucinella G, Occhiali T, Betella I, Guillot BE, Pappalettera G, Shahi M, Fought AJ, McGree M, Reynolds E, Colombo N, Zanagnolo V, Aletti G, Langstraat C, Mariani A, Glaser G.* Incidence of sentinel lymph node metastases in apparent early-stage endometrial cancer: a multicenter observational study. *Int J Gynecol Cancer*. 2024 May 6;34(5):689-696. doi: 10.1136/ijgc-2023-005173. PMID: 38514100.
- 6) *Bruchim I, Capasso I, Polonsky A, Meisel S, Salutarì V, Werner H, Lorusso D, Scambia G, Fanfani F.* New therapeutic targets for endometrial cancer: a glimpse into the preclinical sphere. *Expert Opin Ther Targets*. 2024 Jan-Feb;28(1-2):29-43. doi: 10.1080/14728222.2024.2316739. Epub 2024 Feb 12. PMID: 38327111.
- 7) *Capasso I, Cucinella G, Volcheck G, McGree M, Fought AJ, Chuzhyk O, De Vitis LA, Schivardi G, Fumagalli D, Occhiali T, Fanfani F, Chiantera V, Scambia G, Reynolds E, Mariani A, Glaser G.* Let go of the myth: safety of indocyanine green for sentinel lymph node mapping in endometrial cancer. *Int J Gynecol Cancer*. 2023 Dec 7:ijgc-2023-004918. doi: 10.1136/ijgc-2023-004918. Epub ahead of print. PMID: 38088181.
- 8) *Schwameis R, Fanfani F, Ebner C, Zimmermann N, Peters I, Nero C, Marth C, Ristl R, Leitner K, Grimm C, Oberndorfer F, Capasso I, Zeimet AG, Polterauer S, Scambia G, Fagotti A, Concin N.* Verification of the prognostic precision of the new 2023 FIGO staging system in endometrial cancer patients - An international pooled analysis of three ESGO accredited centres. *Eur J Cancer*. 2023 Nov; 193:113317. doi: 10.1016/j.ejca.2023.113317. Epub 2023 Sep 1. PMID: 37748967.
- 9) *Capasso I, Garzon S, Kumar S, Weaver AL, Mc Gree M, De Vitis LA, Uccella S, Petersen I, Glaser G, Langstraat C, Scambia G, Fanfani F, Mariani A.* Prognostic factors in patients with endometrial cancer with isolated lymphatic recurrence. *Int J Gynecol Cancer*. 2023 Jun 15:ijgc-2023-004435. doi: 10.1136/ijgc-2023-004435. Epub ahead of print. PMID: 37321674.

- 10) *Perrone E, Capasso I, De Felice F, Giannarelli D, Dinoi G, Petrecca A, Palmieri L, Foresta A, Nero C, Arciuolo D, Lorusso D, Zannoni GF, Scambia G, Fanfani F.* Back to the future: The impact of oestrogen receptor profile in the era of molecular endometrial cancer classification. *Eur J Cancer.* 2023 Mar 22;186:98-112. doi: 10.1016/j.ejca.2023.03.016. Epub ahead of print. PMID: 37062213.
- 11) *Capasso I, Santoro A, Lucci Cordisco E, Perrone E, Tronconi F, Catena U, Zannoni GF, Scambia G, Fanfani F, Lorusso D, Duranti S.* Lynch Syndrome and Gynecologic Tumors: Incidence, Prophylaxis, and Management of Patients with Cancer. *Cancers (Basel).* 2023 Feb 22;15(5):1400. doi: 10.3390/cancers15051400. PMID: 36900193; PMCID: PMC10000861.
- 12) *E. Perrone, F De Felice, I Capasso, E Distefano, D Lorusso, C Nero, D Arciuolo, GF Zannoni, G Scambia, F Fanfani.* The immunohistochemical molecular risk classification in endometrial cancer: A pragmatic and high-reproducibility method. *Gynecologic Oncology,* June 2022.
- 13) *E Perrone, I Capasso, T Pasciuto, A Gioè, S Gueli Alletti, S Restaino, G Scambia, F Fanfani.* Laparoscopic vs. robotic-assisted laparoscopy in endometrial cancer staging: large retrospective single- institution study. *J Gynecologic Oncology,* May 2021.
- 14) *S Restaino, L Tortorella, G Dinoi, G Zannoni, A Baroni, I Capasso, E Distefano, G Sozzi, V Chiantera, G Scambia, F Fanfani.* Semiquantitative evaluation of lymph-vascular space invasion in patients affected by endometrial cancer: Prognostic and clinical implications. *European Journal of Cancer,* July 2020.
- 15) *G Sozzi, F Fanfani, R Berretta, VA Capozzi, S Uccella, N Buono, V Giallombardo, M Catello Di Donna, G Monterossi, S Restaino, I Capasso, G Dinoi, G Scambia, V Chiantera.* Laparoscopic sentinel node mapping with intracervical indocyanine green injection for endometrial cancer: the SENTIFAIL study a multicentric analysis of predictors of failed mapping. *Int J Gynecol Cancer,* June 2020
- 16) *R Angioli, D Luvero, R Montera, I Capasso, M Trapani.* Il trattamento laser CO2 nell'atrofia vulvovaginale in donne con pregressa neoplasia ginecologica. *Ginecorama,* March 2019

October 29th, 2024

Signature


