



Francesca Caumo

Email address: francesca.caumo@iov.veneto.it

Address: via Gattamelata 64, 6, 35100, Padua, Italy (Work)

● ABOUT ME

MY ORCID ID <https://orcid.org/0000-0002-9457-5176>

<https://orcid.org/0000-0002-9457-5176>

● WORK EXPERIENCE

1998 – 2006 Verona, Italy

RADIOLOGIST G.B. ROSSI POLYCLINIC, INTEGRATED UNIVERSITY HOSPITAL

- Skills on the main topics in Radiology: Conventional radiology and ultrasound; Interventional radiology, CT and Magnetic Resonance, Breast Imaging
- Referent Radiologist for Anesthesia and Reanimation and Neonatal Pathology
- Referent Radiologist for Orthopedic Trauma and Pathology
- Referent Radiologist for Breast Surgeons

2006 – 2017 verona, Italy

DIRECTOR OF BREAST RADIOLOGY UNIT LOCAL HEALTH UNIT (ULSS 20) , NOW ULSS 9

- Skills on the main topics of breast Imaging and breast unit coordinator
- Reorganization of Screening: technological upgrade (transition from analog to digital technology; implementation of biopsy activities with vacuum-assisted biopsy systems - VABB); opening of territorial centers dedicated to first-level screening and centralization of second-level activities.
- First and second level screening activities, Clinical Senology, and multidisciplinary activities for the management of women affected by breast pathology.
- Referent Radiologist for the Regional Screening Program, Veneto Region
- Board Member of the Italian Society of Medical Radiologists
- Design of Imaging -based clinical study
- Co-Investigator of a clinical trial for the evaluation of tomosynthesis (DBT) versus FFDM (2013 2014; STORM Project)
- Principal Investigator of a clinical trial for the evaluation of the diagnostic performance of Breast Tomosynthesis and Synthetic 2D (2015-2019; VERONA PILOT STUDY Project)

10/2017 – CURRENT Padua, Italy

DIRECTOR OF BREAST AND ONCOLOGY DIAGNOSTIC SERVICE AND DIRECTOR OF DEPARTMENT OF IMAGING AND RADIOTHERAPY VENETO INSTITUTE OF ONCOLOGY (IOV), IRCCS

- Skills on the main topics of Breast and Oncology Imaging
- Reorganization of Senology: renewal of equipment, optimization of the acceptance and appointment booking process for examinations, optimization of work scheduling to expand the service offering to users.
- Reorganization of the appointment booking activities for Oncological Radiology, planning and organizing the work schedules; renewal of equipment
- Reporting activities of oncological CT and MRI scans by RECIST
- Formulating and implementing strategic plans for the department (Breast and Oncological Radiology, Nuclear Medicine, Radiotherapy, and Health Physics) in alignment with the hospital's overall goals and objectives; facilitating communication and collaboration with other departments within the hospital.
- Board of Directors of the Italian Society of Medical Radiologists (2023-2026)
- Vice president of Italian Group for mammography screening (GISMA) (2023-2026)
- Regional Representative for Senonetwork (2025)
- Principal investigator of a clinical trial on diagnostic performance of CEM (contrast-Enhanced Mammography) versus MRI (Magnetic Risonance)
- Principal investigator of a clinical trial on personalized screening in young women . Research for Veneto Region

- Local Principal investigator of RISP, an Italian multicenter study, about lung screening. Research for Veneto Region
- Co Investigator in Gemma project (Generated contrast-Enhanced Mammography and breast MRI with Artificial intelligence)
- Local Principal Investigator for PNRR-MCNT2-2023-12377087 for a randomized controlled trial about Contrast Enhancement Mammography vs. MRI for the surveillance of women at high risk of breast cancer
- Co Investigator of two research project on the use of tools for radiomics and AI

EDUCATION AND TRAINING

1983 – 1988 Verona, Italy

SCIENTIFIC HIGH SCHOOL Angelo Messedaglia

1988 – 1994 Verona, Italy

DEGREE IN MEDICINE AND SURGERY University of Verona

1994 – 1998 Verona, Italy

POST DEGREE SPECIALIST TRAINING IN RADIOLOGY University of Verona

06/2001 – 09/2001 New York, United States

COURSE ON BREAST MRI New York University

2021 – 2021 Padua, Italy

MANAGERIAL TRAINING COURSE FOR CORPORATE HEALTH MANAGEMENT FUNCTION AND COMPLEX STRUCTURES School of Public Health

2023 – 2023 Padua, Italy

MANAGERIAL COURSE FOR ACCESS TO NATIONAL LIST FOR GENERAL DIRECTOR(LEGISLATIVE DECREE NO. 171 OF AUGUST 4, 2016) School of Public Health

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B2	B2	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Excel | Microsoft Powerpoint | Microsoft Word

COMMUNICATION AND INTERPERSONAL SKILLS

GOOD PUBLIC SPEAKERS

Good communication skills gained through my experience as

- invited speakers and lecturer at many national and international events (course and conferences) from 2001
- thesis supervisor for radiology residents
- good formal communications skills gained through my experience as reviewer of the following scientific journal :
(1) European journal of Radiology (2) BMC Cancer

MANAGEMENT AND LEADERSHIP SKILLS

MANAGEMENT OF RADIOLOGISTS RADIOGRAPHERS AND NURSES

● **TEACHING AND GUIDELINE CONTRIBUTOR**

01/02/2022 – CURRENT

MAST-TE : Master in Hereditary Tumors: From Molecular Profiling to Management

The educational activities of the Master's program in Hereditary Tumors: From Molecular Profiling to Management provide advanced and comprehensive training for the management of hereditary genetic risk in oncology

2019 – 2023

Certificate of Competence in Breast Cancer

The Certificate of Competence in Breast cancer (CCB) was launched in 2015 and is the first competence programme to focus on the improvement of both the clinical and the scientific capability of oncologists, ensuring better-quality management of breast cancer patients.

Adolopment for Italy of European Commission Initiative on Breast Cancer (ECIBC)

Board for adopting and adapting existing recommendations to Italian contexts

2024 – CURRENT

AIOM guidelines

The AIOM guidelines are a set of evidence-based recommendations provided by this association to guide clinical practice in oncology in Italy.

● **PRIVACY**

01/01/2025 – CURRENT

Authorization for the processing of personal data

I authorize the processing of my personal data contained in this CV pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data" and the GDPR (EU Regulation 2016/679). Aware of the criminal penalties provided for in art. 76 of Presidential Decree 28 December 2000, n. 445, in the case of false declarations, I declare that the information provided above is true. Furthermore, I declare that I have been informed, pursuant to and for the purposes of art. 13 of Legislative Decree 196/2003, that this CV may be published by the Fondazione Scuola di Sanità Pubblica on its institutional website in accordance with transparency regulations, on the platform of the Order of Social Workers of Veneto, on the ECM portal of the Veneto Region, and on the Age.na.s. platform.

2011

[Analysis of proportional incidence and review of interval cancer cases observed within the mammography screening programme in Trento province, Italy](#)

Pellegrini, M. Bernardi, C. Valentini, M. Peterlongo, P. Caumo, A. Ciatto, S. Radiologia Medica

2011

[Benefits of double reading of screening mammograms: Retrospective study on a consecutive series.](#)

Caumo, F. Brunelli, S. Zorzi, M. Baglio, I. Ciatto, S. Montemezzi, S. Radiologia Medica

2011

[On the role of arbitration of discordant double readings of screening mammography: Experience from two Italian programmes.](#)

Caumo, F. Brunelli, S. Tosi, E. Teggi, S. Bovo, C. Bonavina, G. Ciatto, S. Radiologia Medica

2010

[Interval cancer in breast cancer screening: comparison of stage and biological characteristics with SDC or incident cancers in the absence of screening](#)

Caumo F, Vecchiato F, Strabbioli M, Zorzi M, Baracco S, Ciatto S. Tumori. 2010, 96(2):198-201.

2010

[Analysis of interval cancers observed in an Italian mammography screening programme \(2000-2006\)](#)

Caumo, F.; Vecchiato, F.; Pellegrini, M.; Ciatto, S.; Montemezzi, S. Radiologia Medica

2007

[Autologous chondrocyte implantation: Prospective MRI evaluation with clinical correlation](#)

Caumo, F.; Faccioli, N.; Vecchini, E.; Costa, A.; Ricci, M.; Pozzi Mucelli, R. Radiologia Medica

2006

[Angiosonography in suspicious breast lesions with non-diagnostic FNAC: Comparison with Power Doppler US](#)

Caumo, F.; Carbognin, G.; Casarin, A.; D'Onofrio, M.; Mucelli, R.P. Radiologia Medica

2005

[Occult inflammatory breast cancer: review of clinical, mammographic, US and pathologic signs](#)

Caumo F, Gaioni MB, Bonetti F, Manfrin E, Remo A, Pattaro C. Radiol Med. 2005 Apr;109(4):308-20.

2002

[An unusual case of osteochondritis dissecans of the medial tibial plateau](#)

Vecchini, E. Caumo, F. Sembenini, et al. Journal of Orthopaedics and Traumatology

2002

[Radiologic-pathologic correlation of the mammographic findings retrospectively detected in inflammatory breast cancer: Usefulness in clinical practice](#)

Caumo, F. Manfrin, E. Bonetti, F. Pinali, L. Procacci, C. Radiology and Oncology

1998

[Digital chest radiography with a selenium detector: Clinical results and possibilities of technique optimization](#)

Procacci, C.; Minniti, S.; Caumo, F.; Moore, Pistolessi, G.F. Radiologia Medica 1998

1997

[Comparison between conventional radiography and thoravision in the study of the normal chest](#)

Procacci, C.; Minniti, S.; Biondetti, P.P.; Moore, F.; Caumo, F. et al Journal of Digital Imaging

2017

H-MR spectroscopy of suspicious breast mass lesions at 3T: a clinical experience

Montemezzi, S. Cavedon, L. Meliador, G. Caumo, F. Baglio, I. Sardanelli, F. Radiol Medica

2017

Proportional incidence and radiological review of large (T2+) breast cancers as surrogate indicators of screening programme performance

Ciatto, S. Bernardi, D. Pellegrini, Caumo, F. Frigerio, A. Houssami, N European Radiology

2016

Mammography and MRI for screening women who underwent chest radiation therapy (lymphoma survivors): recommendations for surveillance from the Italian College of Breast Radiologists by SIRM

Mariscotti G, Belli P, Bernardi D, Brancato B, Caumo F, at all, Radiol Med. ov;121(11):834-837.

2016

Recommendations for breast imaging follow-up of women with a previous history of breast cancer: position paper from the Italian Group for Mammography Screening (GISMa) and the Italian College of Breast Radiologists (ICBR) by SIRM

Bucchi L, Belli P, Benelli E, Bernardi D, Caumo F at all . Radiol Med.121(12):891-896.,

2016

High-field MR spectroscopy in the multiparametric MRI evaluation of breast lesions

Cavedon C, Meliador G, Rossi L, Caumo F, at all Montemezzi S. Phys Med. 32(12):1707-1711.

2014

Incremental effect from integrating 3D-mammography (tomosynthesis) with 2D-mammography: Increased breast cancer detection evident for screening centres in a population-based trial

Caumo F, Bernardi D, Ciatto S, Macaskill P, at all Breast. 2014 Feb;23(1):76-80.

2014

Interval breast cancers: absolute and proportional incidence and blinded review in a community mammographic screening program

Carbonaro LA, Azzarone A, Paskeh BB, Brambilla G, Caumo F, at all. Eur J Radiol. Feb;83(2):e84-91.

2014

Effect of integrating 3D-mammography (digital breast tomosynthesis) with 2D-mammography on radiologists' true-positive and false-positive detection in a population breast screening trial

Bernardi D, Caumo F, Macaskill P, Ciatto S, at all N. Eur J Cancer. May;50(7):1232-8

2014

Breast screening using 2D-mammography or integrating digital breast tomosynthesis (3D-mammography) for single-reading or double-reading--evidence to guide future screening strategies

Houssami N, Macaskill P, Bernardi D, Caumo F, at all Eur J Cancer. 2014 Jul;50(10):1799-1807

2013

Integration of 3D digital mammography with tomosynthesis for population breast-cancer screening (STORM): a prospective comparison study

Ciatto S, Houssami N, Bernardi D, Caumo F, Pellegrini M, at all. Lancet Oncol. ;14(7):583-9.

2011

Evidence of interval cancer proportional incidence and review from mammography screening programs in Italy

Ciatto S, Bernardi D, Caumo F. Tumori. 2011 Jul-Aug;97(4):419-22.

2020

Breast imaging and cancer diagnosis during the COVID-19 pandemic: recommendations from the Italian College of Breast Radiologists by SIRM.

Pediconi F, Carbonaro LA, Caumo F, Sardanelli F, Montemezzi S. Radiol Med. Oct;125(10):926-930.

2020

[Lesions of uncertain malignant potential of the breast \(B3\) on vacuum-assisted biopsy for microcalcifications: Predictors of malignancy.](#)

Mariscotti G, Belli P,..... Caumo F,Houssami N. Eur J Radiol. Sep;130:109194.

2020

[Reply to the Letter to the Editor: "Mammography dose estimates do not reflect any specific patient's breast dose".](#)

Gennaro G, Bigolaro S, Stramare R, Hill ML, Caumo F. Eur J Radiol. Nov;132:109323.

2019

[Head-to-head comparison between 18F-FDG PET/CT and PET/MRI in breast cancer.](#)

Evangelista, L. Cuppari, L. Burei, M. Zorz, A. Caumo, F. Clinical and Translational Imaging 2019

2018

[Digital Breast Tomosynthesis with Synthesized Two-Dimensional Images versus Full-Field Digital Mammography for Population Screening: Outcomes from the Verona Screening Program](#)

Caumo F, Zorzi M, Brunelli S, Fedato C, Montemezzi S, Houssami N. Radiology. 287(1):37-46.

2018

[Interval breast cancers in the 'screening with tomosynthesis or standard mammography' \(STORM\) population-based trial](#)

Houssami N, Bernardi D, Caumo F, Brunelli S, Fantò C, Macaskill P. Breast. Apr;38:150-153.

2018

[Comparison of breast cancers detected in the Verona screening program following transition to digital breast tomosynthesis screening with cancers detected at digital mammography screening.](#)

Caumo F, Romanucci G, Hunter K, Zorzi M, Houssami N. Breast Cancer Res Treat. Jul;170(2):391-397.

2018

[An exploratory radiomics analysis on digital breast tomosynthesis in women with mammographically negative dense breasts.](#)

Tagliafico AS, Valdora F, Mariscotti G, Rosenberg I, Caumo F, Calabrese M. Breast. Aug;40:92-96.

2018

[A prospective comparative trial of adjunct screening with tomosynthesis or ultrasound in women with mammography-negative dense breasts \(ASTOUND-2\).](#)

Tagliafico AS, Mariscotti G, Caumo F, Calabrese M, Houssami N. Eur J Cancer. Nov;104:39-46

2018

[Is there a correlation between 3T multiparametric MRI and molecular subtypes of breast cancer?](#)

Montemezzi S, Camera L, Giri MG, Pozzetto A, Caumo F, Cavedon C. Eur J Radiol. Nov;108:120-127.

2017

[Digital breast tomosynthesis \(DBT\): recommendations from the Italian College of Breast Radiologists \(ICBR\) by the Italian Society of Medical Radiology \(SIRM\) and the Italian Group for Mammography Screening \(GISMa\)](#)

Bernardi D, Belli P, Benelli E, Brancato B, Caumo F et al Radiol Med. Oct;122(10):723-730.,

2022

Structured reporting of x-ray mammography in the first diagnosis of breast cancer: a Delphi consensus proposal.

Neri E, Brancato B, Caumo F, Grassi R. Radiol Med. 2022 May;127(5):471-483

2022

Provision of follow-up care for women with a history of breast cancer following the 2016 position paper by the Italian Group for Mammographic Screening and the Italian College of Breast Radiologists by SIRM: a survey of Senonetwork Italian breast centres.

Deandrea S, Sardanelli F, Calabrese M, Caumo F, Cataliotti L. Radiol Med. 2022 May;127(5):484-489.

2022

Radiation Dose of Contrast-Enhanced Mammography: A Two-Center Prospective Comparison

Gennaro G, Cozzi A, Schiaffino S, Sardanelli F, Caumo F. Cancers (Basel). Mar 31;14(7):1774

2022

Artifact reduction in contrast-enhanced mammography.

Gennaro G, Baldan E, Bezzon E, Caumo F. Insights Imaging. 2022 May 13;13(1):90.

2022

Integrating mammography screening programmes into specialist breast centres in Italy: insights from a national survey of Senonetwork breast centres.

Deandrea S, Caumo F, Fortunato L, Cataliotti L. BMC Health Serv Res. 2022 May 31;22(1):723

2021

Repeat Screening Outcomes with Digital Breast Tomosynthesis Plus Synthetic Mammography for Breast Cancer Detection: Results from the Prospective Verona Pilot Study.

Caumo F, Montemezzi S, Brunelli S, Cugola L, Gennaro G. Radiology. 2021 Jan;298(1):49-57.

2021

3T DCE-MRI Radiomics Improves Predictive Models of Complete Response to Neoadjuvant Chemotherapy in Breast Cancer.

Montemezzi S, Benetti G, Camera L, Zerbato C, Caumo F, Cavedon C. Front Oncol. Apr 20;11:630780.

2021

Preoperative non-palpable breast lesion localization, innovative techniques and clinical outcomes in surgical practice: A systematic review and meta-analysis.

Garzotto F, Comoretto RI, Franzoso G, Lo Mele M, Caumo F, Saibene T. Breast. 2021 Aug;58:93-105

2021

Tumour Seeding After a Thoracic Biopsy for Renal Cell Carcinoma: A Case Report and a Review of the Literature.

Michele D, Umberto B, Francesca C, Zagone V, Marco M. Clin Med Insights Oncol. 2021 Jun 18;15

2021

Quantitative Breast Density in Contrast-Enhanced Mammography.

Gennaro G, Hill ML, Bezzon E, Caumo F. J Clin Med. 2021 Jul 27;10(15):3309.

2020

Accuracy of mammography dosimetry in the era of the European Directive 2013/59/Euratom transposition

Gennaro G, Bigolaro S, Hill ML, Stramare R, Caumo F. Eur J Radiol. 2020 Jun;127

- Reorganization of Senology: renewal of equipment, optimization of the acceptance and appointment booking process for examinations, optimization of work scheduling to expand the service offering to users.
- Reorganization of the appointment booking activities for Oncological Radiology, planning and organizing the work schedules;renewal of equipment
- Reporting activities of oncological CT and MRI scans by RECIST
- formulating and implementing strategic plans for the department (Breast and Oncological Radiology, Nuclear Medicine, Radiotherapy, and Health Physics) in alignment with the hospital's overall goals and objectives; facilitating communication and collaboration with other departments within the hospital.
- Management of shifts and activities of a department of 40 people with optimization of machine spaces.

PUBLICATIONS

2024

Using automated software evaluation to improve the performance of breast radiographers in tomosynthesis screening.

Gennaro G, Povolo L, Del Genio S, Maggetto F, Caumo F. Eur Radiol. 2024 Jul;34(7):4738-4749

2024

Oncoplastic and reconstructive surgery in SENONETWORK Italian breast centers: lights and shadows.

Ghilli M, Lisa AVE, Belli P, Caumo F, Roncella M; Senonetwork working group. Breast. Feb;73:

2024

The risk-based breast screening (RIBBS) study protocol: a personalized screening model for young women.

Gennaro G, Bucchi L, Ravaioli A,Russo F, Caumo F. Radiol Med. May;129(5):727-736.

2024

Phantom-based analysis of variations in automatic exposure control across three mammography systems: implications for radiation dose and image quality in mammography, DBT, and CEM

Gennaro G, Del Genio S, Manco G, Caumo F. Eur Radiol Exp. 2024 Apr 16;8(1):49.

2023

The Multidisciplinary Approach in Stage III Non-Small Cell Lung Cancer over Ten Years: From Radiation Therapy Optimisation to Innovative Systemic Treatments.

Ferro A, Scagliori E, Caumo F, Rea F, Guarneri V, Pasello G. Cancers Nov 20;14(22):5700.

2023

Secondary prevention and treatment innovation of early stage non-small cell lung cancer: Impact on diagnostic-therapeutic pathway from a multidisciplinary perspective

Pasello G, Caumo F, Dell'Amore A, Rea F, Guarneri V. Cancer Treat Rev. May;116:102544.

2023

Radiological response of leptomeningeal metastases according to revised RANO criteria is associated with overall survival in breast cancer patients.

Griguolo G, Pittaro A, Caumo F, Pouderoux S, Guarneri V. Int J Cancer. Sep 15;153(6):1217-1226.

2023

The Impact of COVID-19 on Treatment Practices for Patients With Early Breast Cancer: A Cross-Sectional Study From a Large Cancer Center in Italy.

Girardi F, Marini S, Falci C, Faggioni G, Caumo F, Guarneri V. Oncologist. Dec 11;28(12)

2023

Presence and Role of Associations of Cancer Patients and Volunteers in Specialist Breast Centres: An Italian National Survey of Breast Centres Associated with Senonetwork.

D'Antona R, Deandrea S, Pau L, Caumo F, Giordano L, Cataliotti L. Curr Oncol. Sep 4;30(9):8186.