

INFORMAZIONI PERSONALI**Diego Cavalli** +39 045 802 7256 (work) diego.cavalli@univr.it diego.cavalli@aovr.veneto.it**Professional title:** Radiologic Technologist for Imaging and Radiotherapy**Registration:** N. 489 (Order of TSRM and PSTRP of Verona, registered 10/31/2007)**PROFESSIONAL EXPERIENCE****10/01/2022 – Present****Permanent Position**

University of Verona - School of Medicine and Surgery

Clinical Tutor – Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

10/01/2023 – Present**Member of the AQ Committee and Teaching Board**

University of Verona - School of Medicine and Surgery

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

Member of the Scientific Committee

University of Verona - Department of Diagnostics and Public Health

1st Level Master in Magnetic Resonance Imaging: Acquisition techniques, image optimization and analysis A.Y. 2023/24 – 2024/25 – 2025/26

06/10/2008 – 10/01/2022**Permanent Position**

Integrated University Hospital of Verona

Radiology Unit – Policlinico G.B. Rossi, Piazzale L.A. Scuro 10, 37134 Verona

Radiology Technologist

Sector: Magnetic Resonance Imaging – Computed Tomography – Dental Radiology

01/01/2022 – 01/01/2023**Technical Referent – Quality System**

Integrated University Hospital of Verona

Radiology Unit – Policlinico G.B. Rossi, Piazzale L.A. Scuro 10, 37134 Verona

Radiology Technologist

Sector: Quality System

01/01/2018 – 01/10/2022**Technical Referent – MRI Site**

Integrated University Hospital of Verona

Radiology Unit – Policlinico G.B. Rossi, Piazzale L.A. Scuro 10, 37134 Verona

Radiology Technologist MR Specialist

Sector: Magnetic Resonance Imaging

12/17/2007 to 06/16/2008

Fixed-term Contract

Integrated University Hospital of Verona
Radiology Unit – Policlinico G.B. Rossi, Piazzale L.A. Scuro 10, 37134 Verona
Radiology Technologist
Sector: Computed Tomography and Conventional X-Ray

TEACHING ASSIGNMENTS

2024-25 Academic Year

University of Verona, School of Medicine and Surgery
▪ MRI Techniques and Protocols
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery
▪ Imaging and Conventional Musculoskeletal (MSK) Radiology Techniques (P2)
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)
▪ Abdominal MRI Imaging
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, Department of Diagnostics and Public Health
▪ Signal encoding, K-space and image reconstruction
▪ MRI pulse sequences and saturation techniques
1st Level Master in Magnetic Resonance Imaging: Acquisition techniques, optimization and image analysis

2023-2024 Academic Year

University of Verona, School of Medicine and Surgery
▪ MRI Techniques and Protocols
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery
▪ Imaging and Conventional Musculoskeletal (MSK) Radiology Techniques (P2)
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)
▪ Abdominal MRI Imaging
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, Department of Diagnostics and Public Health
▪ Signal encoding, K-space and image reconstruction
▪ MRI pulse sequences and saturation techniques
1st Level Master in Magnetic Resonance Imaging: Acquisition techniques, optimization and image analysis

2022-2023 Academic Year

University of Verona, School of Medicine and Surgery
▪ MRI Techniques and Protocols
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery
▪ Imaging and Conventional Musculoskeletal (MSK) Radiology Techniques
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)
▪ Abdominal MRI Imaging
Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2021-2022 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2020-2021 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Co-lecturer for the course of Neuroradiology

University of Verona, School of Medicine and Surgery

- Neuroradiology Module, topic qMRI

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2019-2020 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2018-2019 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2017-2018 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2016-2017 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2015-2016 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona, School of Medicine and Surgery - Teaching assignment for seminar activity (Activity F)

- Abdominal MRI Imaging

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2014–2015 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2013–2014 Academic Year

University of Verona, School of Medicine and Surgery

- MRI Techniques and Protocols

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2012–2013 Academic Year

University of Verona, School of Medicine and Surgery

- Professional Laboratory CT and MRI

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

2011–2012 Academic Year

University of Verona, School of Medicine and Surgery

- Professional Laboratory CT and MRI

Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy

EDUCATION AND TRAINING

Academic Year 2023–24/2024–25/2025–26

PhD Student – Doctoral Program in Inflammation, Immunity and Cancer

University of Verona – Life and Health Sciences Area

- 39th Cycle, enrolled in the third academic year

Academic Year 2021–2022

Second Level University Master's Degree
in Healthcare Professions Management

University of Verona

- Awarded on 17-01-2023 with "excellent final evaluation"

Academic Year 2014–2015

Specialist in optimization and development of equipment, sequences and MRI imaging techniques

First Level University Master's Degree

University of Florence

- Awarded on 11/05/2016 with final score 102/110

Academic Year 2011–2013

Master's Degree (LM/SNT3) in Health Professions Sciences – Diagnostic Techniques

University "La Sapienza" of Rome, Faculty of Medicine and Psychology

- Awarded on 27/11/2013 with final score 110 with honors/110

Academic Year 2009–2010

First Level Master's Degree in Healthcare Management for Coordination Functions

IULM University – Milan

- Awarded on 16/06/2011 with final score 108/110

Academic Year 2004–2007

Bachelor's Degree (L/SNT3) in Medical Radiology Techniques for Imaging and Radiotherapy

University of Verona

- Awarded on 22/10/2007 with final score 98/110

09/13/2007

Professional Qualification Diploma – Dental Technician
State Institute Galvani, Reggio Emilia
▪ Final score 93/100

Academic Year 1999–2004

Upper Secondary Education Diploma – Technical specialization in Dental Technology
State Institute Galvani, Reggio Emilia
▪ Awarded on 03/07/2004 with final score 87/100

PROFESSIONAL SKILLS

For over fifteen years I have mainly worked in Magnetic Resonance Imaging, while always maintaining a strong interest in dental radiology. I have gained experience in the use of advanced equipment, including Siemens, Philips, Canon and United (1.5 - 3 Tesla), acquiring in-depth skills in the management of imaging and analysis software.

Currently, I serve as Tutor of Educational Activities for the Bachelor's Degree in Medical Radiology Techniques for Imaging and Radiotherapy, an experience that is allowing me to develop transversal skills such as group dynamic management, effective communication and professional training. I support students in their theoretical-practical learning path, fostering integration in the clinical environment. Daily interaction with colleagues, professors and students continues to strengthen my relational, organizational and problem-solving skills, both in the technical and educational fields.

09/14/2020 Acquisition of ICH GOOD CLINICAL PRACTICE E6 (R2) certificate at Global Health Training Centre (globalhealthtrainingcentre.org/elearning) with score 94%.

05/25/2023 Acquisition of ICH GOOD CLINICAL PRACTICE E6 (R2) certificate at Global Health Training Centre (globalhealthtrainingcentre.org/elearning) with score 100%.

PERSONAL SKILLS

Mother Tongue: Italian

Other Languages: English

Understanding	Speaking	Writing
Listening B1	Reading B2	Spoken Interaction B1

COMMUNICATION SKILLS

Having been trained in a University Multi-specialty Center and having studied in several Italian Universities, I had the opportunity to collaborate with multiple professional figures. This experience allowed me to develop strong teamwork capabilities and to adapt to multidisciplinary contexts, enriching my professional approach.

In my role as Educational Tutor, I have refined communication and educational skills, learning to transmit complex concepts in a clear and accessible way. I follow students during their training pathway, trying to adapt educational strategies to different needs and stimulating critical thinking.

ORGANIZATION SKILLS

Over the last fifteen years, I have contributed to the development of standard and research study protocols, actively collaborating in the optimization of imaging procedures. I have worked on implementing sequences in both MRI scanners of the Policlinico MRI site, working closely with Radiologists and assisting in Quality Control checks together with the Physics Department. In 2021, as Technical Referent of the MRI section at Policlinico G.B. Rossi Borgo Roma (AOUI Verona), this role allowed me to further deepen operational MRI site management, refining my capabilities in process optimization.

In my current role as Educational Tutor, I oversee clinical internship management, ensuring effective integration of theory and practice. I organize and supervise tutorial activities, adapting them to student needs to guarantee structured and progressive learning. I coordinate interactions between students and clinical tutors, facilitating a professional growth environment. The management of group dynamics and resolution of critical issues allowed me to develop organizational skills, contributing to the creation of targeted tutorial pathways and functional to the achievement of required professional competencies/objectives.

DIGITAL SKILLS

Information Processing	Communication	Content Creation	Safety	Problem Solving
Advanced User	Advanced User	Advanced User	Advanced User	Advanced User

Daily use of Windows, Linux and MacOS. Knowledge of Philips, Siemens Canon and United software environments including basic-advanced imaging analysis tools for MRI. Daily use of open biomedical image processing/analysis software on iOS and Windows (MATLAB, ImageJ, FSL, MAZDA, Brainsuite, ITK-SNAP, ExplorDTI and SPM). Good knowledge of CAD and 3D Modeling Software (Mimics, OrthoCAD, Symplant and Dolphin).

Driver's license: B + A

PUBLICATION / POSTERS

2011 Collaborates in the drafting of the posters: 1) Methods for developing a virtual 3D skull model. 2) Reliability of CBCT in creating tele-radiographs comparable to traditional cephalograms. 3) Rapid prototyping applied to the maxillofacial district: accuracy measurements between MSCT and CBCT techniques. Presented at the 6th SIROM Congress, 2011.

2012 Collaborates in the drafting of posters: 1) Methods for developing a virtual 3D skull model. 2) Reliability of CBCT in creating tele-radiographs comparable to traditional cephalograms. Presented at MedIT Congress, Vicenza, 2012.

2013 and 2018 (2nd Edition) Collaborates in drafting the chapter "Kidney, urinary tract" (D. Cavalli, G. Zamboni, R. Pozzi Mucelli) for the book "MRI Manual for Medical Radiology Technologists" edited by Prof. P. Torricelli and Prof. A. Vanzulli, Poletto Publisher, Milan.

2014 Collaborates in drafting the poster: Analysis and development of 3D techniques for the creation of a virtual craniofacial model. Presented at MedIT Congress, Vicenza 2014.

2017 Collaborates in drafting electronic poster (EPOS): DWI before and after Gadolinium-EOB-DTPA administration: modifications of ADC maps evaluated with texture analysis. Presented at European Congress of Radiology (ECR), Vienna March 1-5, 2017.

2017 Collaborates in drafting posters: 1) Diffusion-Weighted MRI: Practical considerations on fat suppression techniques in ADC map estimation. 2) Optimization and experimental validation of DWI sequences for adipose tissue evaluation. 3) Partial K-Space sampling: evaluation of spatial resolution through EuroSpin II phantom. Presented at 17th National FNCPTSRM Congress, Naples.

2018 Collaborates in drafting electronic poster (EPOS): Impact of fat suppression method on ADC quantification in Abdominal Diffusion Weighted Imaging. Presented at European Congress of Radiology (ECR), Vienna.

2020 Collaborates (collecting MRI data): Upper camptocormia in Parkinson's disease: Neurophysiological and imaging findings of both central and peripheral pathophysiological mechanisms. Parkinsonism and Related Disorders.

2021 Collaborates in drafting poster: Fast T1 Mapping: Accuracy and Reproducibility of Volumetric Sequences for Brain Relaxometry. 2nd National Congress FNO TSRM and PSTRP. Rimini.

2021 Collaborates in drafting poster: Multi-exponential T2 Mapping for the study of micro-structural alterations of liver parenchyma using GRASE sequence. 2nd National Congress FNO TSRM and PSTRP. Rimini.

2022 Collaborates in drafting poster: Fast T1 Mapping: Accuracy and Reproducibility of Volumetric Sequences for Brain Relaxometry. 19th National TSRM Congress. Vicenza.

2022 Collaborates in drafting poster: Multi-exponential T2 Mapping for the study of micro-structural alterations of liver parenchyma using GRASE sequence. 19th National TSRM Congress. Vicenza.

2022 Collaborates in drafting poster: Radio frequency thermo-ablative treatment in murine colorectal carcinoma model. 19th National TSRM Congress. Vicenza.

2022 Collaborates in drafting EPOS: RadioFrequency Ablation treatment in a colorectal carcinoma murine model: MRI assessment of acute effects and preliminary results. ECR 2022.

2024 Collaborates in drafting EPOS: Optimization of Neuro-MR protocols for intra-site variability reduction: The effect of retrospective harmonization on Apparent Diffusion Coefficient (ADC). ECR 2024.

2025 Collaborates in drafting EPOS: Automatic Segmentation of Liver and Pancreas: A Comparative Analysis of AI-Based Tools Using the Dixon Method. ISMRM Italian Chapter. Lecco.

2025 Collaborates in drafting EPOS: Intra-site variability on structural brain imaging: insights from retrospective harmonization on T1w and DWI. ISMRM Italian Chapter. Lecco.

2025 Collaborates in drafting article: 7T MRI and histology reveal early tissue and perfusion changes after radio frequency ablation in a murine colorectal cancer model. Scientific Reports. 2025.

RESEARCH PROJECTS

2016 Technical Referent multi-center randomized double blind controlled study GSK2982772 in moderate-severe rheumatoid arthritis. Sponsor GlaxoSmithKline.

2017 Technical Referent randomized study Secukinumab in PsA and axSpA with active enthesitis (ACHILLES). Sponsor Novartis.

2018 Winner of Joint Projects 2018 – University of Verona: Preclinical MRI Techniques For Evaluation of Tissue Necrosis After Radio-frequency Ablation. P.I. Prof. Mirko D'Onofrio.

2020 Technical Referent Phase III multi-center randomized double-blind study in ankylosing spondylitis / axial spondyloarthritis. Sponsor Novartis.

2021 Technical Referent Phase 1B CA011-023 Bristol-Myers Squibb International Corporation.

2022 Technical Referent Clinical Study Protocol WN43194 Meteoroid. Sponsor IXICO (Roche).

2022 Technical Referent Clinical Study BMS Protocol CA011-023. Bioclinica.

2022 Technical Referent Dominantly Inherited Alzheimer's Network Trials Unit (DIAN-TU). Sponsor Mayo Clinic.

2022 Technical Referent Clinical Study Protocol MK-3655-001. Sponsor ICON Medical Imaging.

2022 Technical Referent Clinical Study Protocol CAIN457P12301. Sponsor Novartis.

PRESENTATIONS

10/11/2006 Attends the training event “Dental Radiology: Use of Maxiscan equipment and Dentalscan CT technique” Verona.

02/08–09/2007 Attends the congress “Revisiting the spine in daily issues: from diagnosis to treatment”, Legnago (VR).

06/14/2008 Attends the workshop “Imaging diagnostics in oral medicine”, Peschiera del Garda (VR).

10/23–24–25/2008 Attends the 13th National Congress of Medical Radiology Technologists Federation, Riccione.

11/21/2008 Attends the conference “Organizational impacts of field training: From theory to experience” Verona.

10/03/2009 Organizes as Organizational Secretariat the provincial training event for Radiology Technologists “Imaging in cardiac diagnostics”, Verona.

11/14/2009 Organizes and participates as Scientific Secretariat in the national training event for Radiology Technologists “RIS/PACS systems management” Verona.

01/22/2010 Attends the Meeting “New technologies in diagnosis, planning and treatment in maxillofacial surgery” Bologna.

07/15–16/2010 Attends the 5th International Meeting “NewTom Day”, Lazise del Garda (VR).

10/06–07–08/2011 Attends the “Italian Academy of Orthodontics VII National Annual Meeting and 3rd World Implant Orthodontic Conference”, Verona.

09/30/2011 Moderator at 6th SIROM Congress “3D imaging in the Odonto-Maxillo-Facial district”.

10/04/2012 and 11/14–15/2012 Speaker at course “Magnetic Resonance: acquisition and competencies in MRI”. Bussolengo.

05/15–17/2012 Speaker at course “Imaging techniques in dental and maxillofacial radiology”. Bussolengo (VR).

09/10/2012 Attends congress “Cone Beam CT, Dual Energy CT, Iterative reconstruction, PET/CT + contrast: how, when and why”. Brescia.

06/27–28/2013 Collaborates in the drafting of the scientific paper: “Dosimetry of NewTom VGi scanner...”. Presented at 27th CARS International – Heidelberg.

04/10/2014 Collaborates in the drafting of scientific presentation “Development of a virtual 3D skull model: CBCT and laser scanner”. MedIT Vicenza.

04/16–17/2015 Collaborates in lecture “3D sequences for abdominal imaging: quantitative comparison among fat suppression techniques”. Verona.

11/11/2015 Speaker at training event “Use of the new VGi CT scanner and its potential”. Verona.

05/24/2016 Speaker at 1st National AITIRM Congress, Careggi, Florence.

11/02–09/2016 Speaker at corporate training event: New acquisition protocols and sequences in MRI diagnostic activities. Verona.

06/20–23/2017 Collaborates in presentation “DWI before and after Gadolinium-EOB-DTPA...”. ESGAR Athens.

05/25–12/31/2017 Speaker at corporate training event OPT, TELE-CRANIO and CONE BEAM. Legnago (VR).

05/21/2018 Collaborates in lecture: Comparison between Contrast Enhanced sequences to identify active multiple sclerosis plaques. Riccione.

05/21–22/2018 Moderator at 2nd National AITIRM Congress, Riccione.

06/02/2021 Co-author of lecture: Fast T1 Mapping: Accuracy And Reproducibility Of Volumetric Sequences For Brain Relaxometry. ISMRM 2021.

09/23–25/2022 Collaborates in lecture: Radio-frequency thermo-ablative treatment in murine colorectal carcinoma model. Vicenza.

11/22/2023 Collaborates in lecture “Pelvic MRI in prostate cancer: Protocols”. AULSS9 Scaligera.

12/05/2023 Collaborates in lecture “Methodologies and tutorial techniques in Medical Radiology Technologists to promote practical-technical skills in internship students”. Verona.

05/02/2024 Collaborates in lecture "MRI Safety". AULSS9 Scaligera.

11/2024 Scientific Committee Member event "Multidisciplinary Workshop on MRI Safety" — IRCCS Sacro Cuore Don Calabria.

11/2024 Speaker at event "Advanced MR imaging of the prostate". AULSS9 Scaligera.

04/30/2025 Presents lecture "Training of Clinical Tutors: MRI in prostate cancer". CdL TRMIR UniVR.

04/2025 Presents lecture at Interdisciplinary Seminar "Rebuilding Babel: Imaging and Therapy of Aphasia". CdL Logopedia – CdL TRMIR University of Verona.

THESIS PROJECTS

2009 Co-supervisor of thesis titled "Rapid prototyping applied to the maxillofacial district: accuracy measurements comparing MSCT and CBCT", Supervisors Dr. L. Trevisiol and MRT D. Vignola, University of Verona.

2010 Co-supervisor of thesis titled "Methods for developing a virtual 3D skull model: Cone Beam Computed Tomography and laser scanner technology", Supervisors Dr. L. Trevisiol and MRT D. Vignola, University of Verona.

2010 Co-supervisor of thesis titled "Reliability of Cone Beam Computed Tomography in creating tele radiographs comparable to traditional cephalograms", Supervisors Dr. L. Trevisiol and MRT D. Vignola, University of Verona.

2012 Supervisor of thesis titled "Qualitative and dosimetric comparison between intraoral imaging and Cone Beam CT technology in the study of the dento-alveolar district", Co-supervisors Dr. L. Trevisiol and MRT D. Vignola, University of Verona.

2013 Supervisor of thesis titled "Analysis and development of 3D techniques for the creation of a virtual craniofacial model", Co-supervisors Dr. L. Trevisiol and MRT D. Vignola, University of Verona.

2013 Supervisor of thesis titled "MR Angiography: basic methods and 4D technological innovations", Co-supervisors Dr. Gabriele Bordon and Dr. Daniela Picarella, University of Verona.

2014 Supervisor of thesis titled "Fat suppression in Magnetic Resonance Imaging: quantitative comparison between different tissue suppression techniques", Co-supervisors Dr. Stefano Tambalo and Dr. Gabriele Bordon, University of Verona.

2014 Co-supervisor of thesis titled "Motion correction techniques in Magnetic Resonance Imaging: state of the art and technological innovations", Supervisors Dr. Andrea Spagnolo and Dr. Gabriele Bordon, University of Verona.

2014 Co-supervisor of thesis titled "New non-contrast Anglo-MRI techniques", Supervisors Dr. Andrea Spagnolo and Dr. Gabriele Bordon, University of Verona.

2015 Supervisor of thesis titled "MR CholangioPancreatography (MRCP) 2D vs 3D: state of the art and technological innovations", Co-supervisors Dr. Andrea Spagnolo and Dr. Stefano Tambalo, University of Verona.

2015 Supervisor of thesis titled "Shimming in magnetic resonance spectroscopy: general concepts and practical findings", Co-supervisors Dr. Andrea Spagnolo and Dr. Stefano Tambalo, University of Verona.

2015 Supervisor of thesis titled "Reduction of magnetic susceptibility artifacts in Cardiac MRI with implantable electrostimulator", Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

2015 Supervisor of thesis titled "Diffusion Tensor Imaging: multi-parametric method for the study of white matter fibers", Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

2015 Supervisor of thesis titled "Semi-automatic identification and lesion load volumetric in Multiple Sclerosis using 3D DIR and FLAIR techniques", Co-supervisors Dr. Stefano Tambalo and Dr. Gabriele Bordon, University of Verona.

2015 Co-supervisor of thesis titled "Brain MRI: state of the art and new volumetric sequences", Supervisor Dr. Andrea Spagnolo, University of Verona.

2016 Supervisor of thesis titled "Partial k-space sampling: assessment of spatial resolution through Eurospin II phantom", Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

2016 Co-supervisor of thesis titled "Synthetic MRI: Technology and state of the art", Supervisor Dr. Andrea Spagnolo, University of Verona.

2016 Co-supervisor of thesis titled "Optimization and experimental validation of DWI sequences for the study of adipose tissue", Supervisor Dr. Stefano Tambalo, University of Verona.

2016 Supervisor of thesis titled "Diffusion Weighted MRI: Practical considerations on fat suppression techniques in ADC map estimation", Co-supervisors Dr. Stefano Tambalo and Dr. Gabriele Bordon, University of Verona.

2017 Supervisor of thesis titled "Experimental application of Dixon method for quantification of body fat mass in Magnetic Resonance Imaging", Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

Winner of Best Thesis Award at 2nd National AITIRM Congress, Riccione 2018.

2017 Supervisor of thesis titled "Comparison between Contrast Enhanced sequences for identification of active Multiple Sclerosis plaques", Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

2017 Co-supervisor of thesis titled "Voxel Based Morphometry: techniques and applications for the study of neurodegenerative diseases", Supervisor Dr. Stefano Tambalo, University of Verona.

2017 Co-supervisor of thesis titled "From Parallel Imaging to Compressed Sensing. Fast and Ultra Fast MRI: study of the upper abdomen", Supervisor Dr. Andrea Spagnolo, University of Verona.

2018 Supervisor of thesis titled "Reduction of Silicone Artifacts in Breast DWI protocols using Double Inversion Recovery (DIR) technique", Co-supervisors Dr. Stefano Tambalo and Dr. Giuditta Todesco, University of Verona.

2018 Co-supervisor of thesis titled "Motion Artifact in Resting-State fMRI: Effects of Motion Correction on Image Quality", Supervisor Dr. Stefano Tambalo, University of Verona.

2019 Co-supervisor of thesis titled “Multi-exponential T2 Mapping for the study of micro-structural alterations of liver parenchyma using GRASE sequence”, Supervisor Dr. Stefano Tambalo, University of Verona.

2019 Co-supervisor of thesis titled “Identification of breast micro-calcifications using SWI technique on breast phantom”, Supervisor Dr. Andrea Spagnolo, University of Verona.

2020 Supervisor of thesis titled “T1 Mapping: validity of mDIXON sequences for the study of liver parenchyma”, Co-supervisors Dr. Stefano Tambalo and Dr. Andrea Spagnolo, University of Verona.

2020 Co-supervisor of thesis titled “Fast T1 Mapping: accuracy and reproducibility of volumetric sequences for brain relaxometry”, Supervisor Dr. Stefano Tambalo, University of Verona.

2021 Co-supervisor of thesis titled “Radio frequency thermoablative treatment in a murine colorectal carcinoma model: acute study with Magnetic Resonance Imaging and preliminary results”, Supervisor Dr. Stefano Tambalo, University of Verona.

2021 Co-supervisor of thesis titled “Radio frequency thermoablation: MRI study for the evaluation of the effect on a murine model of solid neoplasia”, Supervisor Prof. Mirko D’Onofrio, University of Verona.

2022 Supervisor of thesis titled “Upper abdominal relaxometry at 3T: feasibility study on calibrated phantom and in vivo application”, Co-supervisors Dr. Stefano Tambalo and Dr. Alberto Finora, University of Verona.

2022 Co-supervisor of thesis titled “Contrast Enhanced FLAIR in the detection of low concentrations of Gadolinium. Phantom and in-vivo study compared with Contrast Enhanced T1 sequence”, Supervisor Dr. Stefano Tambalo, University of Verona.

2023 Co-supervisor of thesis titled “Optimization of Neuro-MR protocols for intra-site variability reduction: the effect of retrospective harmonization on Apparent Diffusion Coefficient (ADC)”, Supervisor Dr. Stefano Tambalo, University of Verona.

2024 Supervisor of thesis titled “Dixon techniques for advanced analysis of the upper abdomen: volumetric segmentation and parametric map generation in Magnetic Resonance Imaging”, Co-supervisors Dr. Ilaria Mirandola and Dr. Alberto Finora, University of Verona.

2024 Co-supervisor of thesis titled “Structural mapping of tSNR of Single and multi-Echo EPI sequences for the study of human brain connectivity”, Supervisor Dr. Stefano Tambalo, University of Verona.

ASSOCIATIONS MEMBERSHIP

2015–2019 Member Italian Association of MRI Imaging Technicians (AITIRM).

2015–2016 Member Italian Association of Magnetic Resonance in Medicine and ISMRM Italian Chapter.

2017–2019 Member European Society of Radiology (ESR).

2023–present Member European Society of Radiology (ESR).

2023–present Member AIRMM – Italian Association of Magnetic Resonance in Medicine (ISMRM Italy Chapter).

CONFERENCES / SEMINARS

10/11/2006 Attends training course as auditor “Radiology in Dentistry: Use of Maxiscan equipment and Dentalscan CT protocol”. Verona.

11/24/2006 Attends training course as auditor “Professional responsibility of the Medical Radiology Technologist (TSRM)”. Auditorium Banca Popolare di Verona. Course Director MRT Dr. G. Tervilli.

02/08/2007 – 02/09/2007 Attends congress as auditor “Revisiting the spine in daily clinical topics: from diagnosis to treatment”. Legnago (VR).

05/15/2007 Attends training course as auditor “Management of the patient with thoraco-pelvic trauma”. Azienda Ospedaliera Verona. Responsible Dr. G. Gortenuti.

06/14/2008 Attends workshop as auditor “Imaging diagnostics in oral medicine”. Peschiera del Garda (VR). Director Dr. M. Pregarz.

10/23/2008 – 10/25/2008 Attends 13th National Congress of the National Federation of Medical Radiology Technologists (FNCPTSRM). Riccione. Congress President Dr. G. Brancato.

11/03/2008 Attends BLSD training course (Basic Life Support and AED). Passed theoretical (15/16) and practical exam. AO Verona. Course Director Dr. A. Burro.

11/21/2008 Attends congress as auditor “Organizational impacts of field training: From theory to experience”. Verona – G. Marani Medical Cultural Center. Scientific Director Dr. C. Biondani.

11/29/2008 Attends training course as auditor “From Orthopantomography to Dentalscan”. Casa di Cura S. Francesco, Bergamo. Director Dr. G. Gonella.

04/03/2009 – 12/31/2009 Attends Field Training Course in Clinical Tutoring for MRTs. AOUI Verona – Policlinico G.B. Rossi. Course Director Dr. E. Allegrini.

10/03/2009 Organizes as Organizational Secretariat provincial training event for MRT “Imaging in Cardiac Diagnostics”. Verona. Course Director MRT P. Giarolo.

11/14/2009 Organizes and participates as Scientific Secretariat national training event “RIS/PACS Systems Management”. Verona. Course Director MRT T. Tedeschi.

01/22/2010 Attends meeting as auditor "New technologies in diagnosis, planning and treatment in maxillofacial surgery". Bologna.

07/15/2010 – 07/16/2010 Attends 5th International Meeting "NewTom Day". Lazise del Garda (VR). Director Dr. S. Ghezzi.

01/20/2011 Attends training course "Internship as learning environment: methodology and tools". Bologna. Director Dr. T. Galassi.

01/20/2011 Attends training course "The MRT in technology acquisition: role and responsibility". Director Dr. T. Galassi.

04/19/2011 – 04/20/2011 Attends updating course "Manual handling of patients: methods, techniques and posture for risk prevention". AOUI Verona. Director Dr. B. Lonardi.

05/21/2011 Attends training course "Training and professionalism – scope of competence of the MRT". Verona. Organized by AITRI.

10/06/2011 – 10/08/2011 Attends "Italian Academy of Orthodontics VII National Annual Meeting and 3rd World Implant Orthodontic Conference". Verona.

01/09/2012 – 12/31/2012 Attends Field Training Program "Internship management for 1st/2nd/3rd year students in Medical Radiology Techniques". AOUI Verona. Scientific Director Prof. M. Ferdeghini.

09/10/2012 Attends congress "Cone Beam CT, Dual Energy CT, Iterative Reconstruction, PET/CT + contrast: how, when, why". Brescia. Director Dr. E. Comberti.

09/21/2012 – 09/22/2012 Attends training course "Responsibility of the Healthcare Technician: error and insurance". Rimini.

11/05/2012 – 11/12/2012 Attends training course "RIS/PACS: Structure, operational issues & legal responsibilities". AOUI Verona – Policlinico G.B. Rossi. Scientific Director Prof. Roberto Pozzi Mucelli.

11/26/2012 – 11/28/2012 Attends MRI Conference "Advanced applications and technological innovations in MRI 2012". Florence – AOU Careggi.

06/19/2015 Attends "Foundation Conference Italian Digital Bio-manufacturing Network (I.D.B.N.)". Bologna – Aula Magna Istituto Ortopedico Rizzoli.

06/20/2015 Attends MRI Meeting "Artifacts and advanced techniques". Trento – Trento Format Trentino. Scientific Director Dr. A. Carniato.

01/07/2018 – 12/31/2018 Attends training course "Expansion of MRT operating in CT". AOUI Verona – Policlinico G.B. Rossi. Scientific Director Prof. Giancarlo Mansueto.

09/20/2018 Attends course "Neuroimaging in Movement Disorders and Dementias". Verona. LIMPE-DISMOV Academy.

05/24/2019 Attends AITIRM Workshop "Artifacts in MRI. Technical causes and solutions". Meyer Health Campus, Florence. Scientific Director Dr. Leonardo Lelli.

04/19/2021 – 12/31/2021 Attends Field Training Event "Diagnostic techniques and patient management in Breast Diagnostics: role of MRT and Nurses". AOUI Verona. Scientific Director Prof. Giancarlo Mansueto.

11/19/2021 – 11/21/2021 Attends National Congress FNO TSRM e PSTRP. Rimini.

09/01/2022 – 12/31/2022 Attends training event "CT and MRI Heart Study: Role of MRT and Nurses". AOUI Verona – Radiology Rooms.

10/24/2022 – 10/26/2022 Attends course "Advanced Imaging Techniques in MRI (Rare Diseases)". Eve-Lab Formazione Srls (ID 364981).

03/18/2023 Attends Workshop "Dual Energy CT in clinical practice". IRCCS Sacro Cuore – Don Calabria.

09/22/2023 Attends Scientific Meeting: "With roots in the present, imagining the future". University of Verona. Scientific Director Prof. Luisa Saiani.

09/29/2023 – 09/30/2023 Attends 3rd National Congress FNO TSRM e PSTRP. Rimini.

11/03/2023 – 11/04/2023 Attends 1st National AITeRTC Congress "In the Team and for the Team: towards a more aware MRT in CT". Parma. Scientific Director Dr. Chiara Martini.

11/21/2023 Attends Workshop "The Shoulder 360°: diagnostic and therapeutic approach in traumatic and degenerative pathology". IRCCS Sacro Cuore – Don Calabria, Negrar.

04/11/2024 – 04/19/2024 Attends course "Management of complex emotional experience of students in clinical activity". AOUI Verona. Scientific Director Dr. Eleonora Volpato.

04/12/2024 Attends Workshop "Updates on Hepato-Biliary tumors – Cholangiocarcinoma: management and treatment". Aula De Sandre – Policlinico G.B. Rossi – Verona.

10/18/2024 Attends Workshop "Learning models and students with Special Education Needs (BSE/DSA)". AOUI Verona. Scientific Director Dr. Nadia Mansueti.

11/23/2024 Organizes as Scientific Committee Member Workshop "Multidisciplinary on MRI Safety". IRCCS Sacro Cuore – Don Calabria, Negrar.

02/05/2025 – 02/19/2025 Attends Hospital Infection Training Course – Module B (practical) and Module C (local). AOUI Verona.

04/11/2025 – 04/12/2025 Attends "ARENA 2025 Pancreas MM Multidisciplinary Multimodal". University of Verona. President Prof. Mirko D'Onofrio.

10/10/2025 – 10/11/2025 Attends 2nd National AITeRTC Congress "Sustainable and shared Imaging: the key for integrated system efficiency". Parma. Scientific Director Dr. Chiara Martini.

FAD CONFERENCES AND SEMINARS

12/31/2019 Attends online training course "Protection of operators and patients in radiological practices". AOUI Verona. Scientific Director Dr. Carlo Cavedon.

12/31/2020 Attends online training course "Magnetic Resonance Imaging in Cardiology". Standard FIRST CLASS. Scientific Director Dr. Michela Morelli.

11/10/2022 Attends online updating course "Legislative Decree 101/2020". Provider AULSS 9.

09/26/2024 Attends online course "Prevention and control of Healthcare Associated Infections". Module A (PNRR – M6C2 2.2 B) Veneto Region. Organized by Istituto Superiore di Sanità.

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