Dr. Eros Montin, Ph.D.

Senior Research Scientist | Biomedical Imaging | Quantitative MRI | AI/ML | Scientific Software and Cloud Platforms

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PROFESSIONAL PROFILE

Senior Research Scientist and scientific software leader with more than 15 years of experience in biomedical imaging, MRI simulation, quantitative image analysis, radiomics, machine learning, and cloud-enabled research infrastructure. At NYU Langone Health, I lead development of Cloud MR, an open-source MRI research ecosystem integrating simulation, reconstruction, visualization, and quantitative analysis into reproducible workflows. My research spans musculoskeletal imaging, oncology, MRI safety, image registration, patient-specific modeling, and translational imaging biomarkers. I combine methodological research with production-oriented software development in Python, C/C++, React, Docker, and AWS.

AREAS OF EXPERTISE

- Biomedical imaging and quantitative MRI
- Radiomics, radiogenomics, and imaging biomarkers
- Multimodal and longitudinal image registration
- Oncologic imaging and treatment-response analysis
- Cloud architecture and reproducible scientific software
- MRI simulation, electromagnetic modeling, RF safety, and thermometry
- Machine learning, deep learning, segmentation, and classification
- Musculoskeletal imaging and femoroacetabular impingement
- Subject-specific modeling and digital-phantom development
- Privacy-conscious local AI and evidence-grounded research workflows

ACADEMIC AND PROFESSIONAL APPOINTMENTS

Senior Research Scientist | August 2025 - Present

NYU Langone Health / New York University Grossman School of Medicine, Department of Radiology, New York, NY, USA

- Lead scientific and software-architecture direction for Cloud MR, an open-source ecosystem for MRI simulation, quantitative imaging, and reproducible cloud-enabled analysis.
- Coordinate work spanning MR physics, software engineering, radiomics, deep learning, musculoskeletal imaging, oncology, and RF safety.
- Develop research workflows for radiomics-based FAI characterization, atlas-based hip segmentation, subject-specific modeling, and RF/temperature-prediction studies.
- Contribute to methodological grant development and research-program strategy for simulation-ready imaging models, quantitative biomarkers, and scalable biomedical-imaging tools.
- Design controlled, privacy-conscious local AI research workflows for literature analysis and scientific evidence retrieval as ongoing technology development.

Research Scientist and Head of Software Development | May 2022 - August 2025

NYU Langone Health / New York University Grossman School of Medicine, Department of Radiology, New York, NY, USA

- Led development and integration of cloud-enabled MRI applications, including MR Optimum, CAMRIE, TESS, Coil Designer, and related imaging-analysis workflows.
- Modernized MRI software pipelines using AWS serverless and container-based architectures, including Lambda, Step Functions, S3, DynamoDB, API Gateway, and ECS/Fargate.
- Developed radiomics and machine-learning methods for femoroacetabular impingement assessment, including multi-center validation and comparison with conventional radiological measurements.
- Developed and evaluated deep-learning workflows for hip segmentation and for electric-field/temperature prediction in human-body modeling studies.
- Collaborated with MR physicists, radiologists, orthopedic clinicians, biomedical engineers, and external investigators on translational imaging projects.

Postdoctoral Research Fellow | April 2018 - May 2022

NYU Langone Health / New York University Grossman School of Medicine, New York, NY, USA

- Developed early Cloud MR applications for MRI simulation, signal-to-noise ratio evaluation, RF coil analysis, and web-accessible computational imaging.
- Created and disseminated MR Optimum, CAMRIE, and Coil Designer workflows to improve accessibility and reproducibility of advanced MRI experiments.
- Investigated radiomics and automated segmentation methods for musculoskeletal MRI and quantitative imaging.

Postdoctoral Research Fellow | March 2015 - March 2018

Politecnico di Milano and Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

- Contributed to the Horizon 2020 BD2Decide consortium (Grant Agreement 689715), developing radiomics and radiogenomics approaches for personalized head-and-neck cancer research.
- Developed image-segmentation, radiomics-feature extraction, multimodal data-analysis, and web-interface workflows for oncology studies.
- Extended expertise in image registration, quantitative diffusion imaging, and patient-specific computational modeling.

Ph.D. Researcher in Bioengineering | January 2011 - March 2015

Politecnico di Milano and Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

- Developed a multimodal image-registration framework for longitudinal pediatric brain-tumor imaging and long-term follow-up studies; Ph.D. awarded with merit.
- Built MRI, DWI/DTI, CT, and radiotherapy-dose analysis workflows for treatment-response and neurocognitive-outcome research.
- Investigated quantitative imaging methods in oncology and biomedical image analysis.

Postgraduate Research Fellow | August 2009 - January 2011

Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy

- Developed segmentation and registration workflows for oncology imaging, including brain tumors, sinonasal cancer, and multiple myeloma.
- Applied MRI and diffusion-imaging methods to quantitative assessment of disease and treatment response.

Manager of Intermodal Logistics | March 2001 - September 2002

HUPAC S.p.A., Italy

- Early professional experience in international logistics operations and coordination; included for complete employment chronology.

EDUCATION

Ph.D. in Bioengineering, awarded with merit | January 2011 - March 2015

Politecnico di Milano, Italy

Thesis: A Novel Image Registration Strategy for Oncological Pediatric Brain Images Fusion.

M.Sc. in Biomedical Engineering | 2006 - April 2009

Politecnico di Milano, Italy

Final grade: 107/110. Thesis focused on fMRI analysis of cortical attentional systems during a continuous performance test.

B.Sc. in Biomedical Engineering | 2002 - 2006

Politecnico di Milano, Italy

SCIENTIFIC LEADERSHIP AND SELECTED RESEARCH PROGRAMS

Cloud MR and reproducible MRI simulation infrastructure. Scientific and architecture leadership for an open-source, cloud-enabled MRI research ecosystem integrating simulation, reconstruction, visualization, SNR analysis, RF safety, and quantitative-imaging workflows.

Quantitative MRI and radiomics for femoroacetabular impingement. Developed radiomics and machine-learning approaches for FAI diagnosis and symptom-profile characterization, including external multi-center validation; developed automated segmentation workflows for femur and acetabulum on 3D MRI.

MRI safety, RF modeling, and temperature prediction. Developed web-accessible and AI-supported tools for RF field, SAR, and temperature estimation, including TESS, which received an ISMRM Magna Cum Laude Merit Award.

Oncology imaging biomarkers and treatment response. Contributed radiomics and quantitative-imaging methods for anal canal chemoradiotherapy response, sinonasal cancer, soft-tissue sarcoma, head-and-neck cancer, and pediatric neuro-oncology.

Longitudinal registration and subject-specific modeling. Developed multi-metric registration methods for longitudinal pediatric oncology imaging and applied registration concepts to atlas propagation and simulation-ready subject-specific modeling.

Simulation-ready MRI benchmarking framework - methodological development. Developing a research framework connecting deformation, pathology representation, tissue-property mapping, and end-to-end MRI simulation for controlled evaluation of imaging methods; framed as methodological grant-development work rather than a deployed clinical tool.

RESEARCH PLATFORMS AND SOFTWARE CONTRIBUTIONS

Cloud MR - Open-source cloud-enabled MRI research ecosystem integrating simulation, quantitative analysis, visualization, and reproducible workflow execution.

MR Optimum - Web-based open-source tool for standardized MRI signal-to-noise ratio evaluation; published in Computer Methods and Programs in Biomedicine Update (2026).

CAMRIE - Cloud-accessible MRI emulator for simulation and sequence exploration; presented orally at ISMRM.

TESS - Web-accessible tool for temperature estimation from SAR simulations; recipient of the ISMRM 2022 Magna Cum Laude Merit Award.

Rado - Cloud-based toolbox for radiomics analysis; presented at ISMRM 2023.

Mplus / registrationMplus - Multi-metric image-registration methods and software supporting longitudinal oncology imaging and atlas-based quantitative analysis.

MAILAB / LitLab - in development - Local-first, provenance-controlled AI research environment for document-grounded literature analysis, evidence extraction, and controlled scientific workflow automation; included as ongoing technology development, not a production clinical system.

FUNDED RESEARCH AND GRANT-DEVELOPMENT CONTRIBUTIONS

Horizon 2020 BD2Decide - Grant Agreement No. 689715. Consortium research contribution during postdoctoral fellowship: radiomics, radiogenomics, imaging-feature extraction, and data-integration approaches for personalized head-and-neck cancer research.

NIH-supported Cloud MR and MRI simulation research programs. Scientific software architecture and quantitative-imaging workflow contributions at NYU Langone Health; include formal mechanism, grant number, and role in submission versions when confirmed.

EDITORIAL AND PROFESSIONAL SERVICE

Guest Editor: Artificial Intelligence and Deep Learning in Medical Imaging, Journal of Clinical Medicine, 2025-2026.

Guest Editor / Topic Editor: Radiomics and AI for Clinical and Translational Medicine, Frontiers in Radiology, 2024.

HONORS AND AWARDS

- Magna Cum Laude Merit Award, International Society for Magnetic Resonance in Medicine (ISMRM), 2022 - TESS: A Web-Accessible Tool for Temperature Estimation from SAR Simulations.
- Young Investigator recognition, International Society of Pediatric Oncology (SIOP) Young Investigator Day, 2012.
- Ph.D. awarded with merit, Politecnico di Milano, 2015.

INVITED LECTURES

- Cloud MR: AWS-Powered Advancements in MRI Research and Education. Invited speaker, AWS Healthcare and Life Sciences Customer Meetup, New York, March 2024.
- Radiomics and Radiogenomics Challenges in Desmoid Tumors. Invited speaker, EJP RD / European Reference Networks Workshop on Desmoid Tumors.

SELECTED MEDIA RECOGNITION

- Featured in AuntMinnie coverage related to MRI radiomics, artificial intelligence, imaging-based prediction, and SAR/temperature-estimation research.

PROFESSIONAL MEMBERSHIPS

- International Society for Magnetic Resonance in Medicine (ISMRM)
- IEEE Engineering in Medicine and Biology Society (EMBS)

TECHNICAL COMPETENCIES

Programming and Scientific Computing: Python; C/C++; MATLAB; R; Bash; GPU-accelerated scientific computing; reproducible analysis pipelines.

Machine Learning and AI: PyTorch; scikit-learn; radiomics; radiogenomics; feature selection; interpretable models; deep learning; 3D CNNs; segmentation and classification; retrieval-augmented local AI workflows in development.

Biomedical Imaging: MRI; quantitative imaging; MRI simulation; RF coil analysis; electromagnetic-field estimation; SAR and temperature modeling; image registration; segmentation; morphological analysis; multimodal and longitudinal imaging.

Imaging and Visualization Tooling: ITK; SimpleITK; VTK; 3D Slicer; Niivue; ParaView; BART; MRI simulation and reconstruction tool integration.

Cloud and Software Engineering: AWS Lambda; S3; Step Functions; DynamoDB; API Gateway; ECS/Fargate; Docker; CI/CD; REST APIs; React; Redux; TypeScript; Node-based web applications.

Data and Reproducibility: SQL and NoSQL workflows; SQLite; metadata-driven processing; provenance-aware scientific software; open-source dissemination; version-controlled collaborative development.

PEER-REVIEWED PUBLICATIONS AND EDITORIAL ARTICLES

26 Montin E, Nguyen XT, Lattanzi R. MR Optimum: A web-based open-source tool for standardized signal-to-noise ratio evaluation in MRI. Computer Methods and Programs in Biomedicine Update. 2026;9:100235. doi:10.1016/j.cmpbup.2026.100235.

26 Lakshmanan K, Phillips L, Wang B, Montin E, Walczyk J, Brown R. Four-row MRI receive array with remote circuitry for improved parallel imaging in radiation therapy systems. Physics in Medicine & Biology. 2026;71(7):07NT01. doi:10.1088/1361-6560/ae54fe.

25 Ponniah HS, Montin E, Namireddy S, Lattanzi R, Logishetty K. Radiomics in FAI: current status and perspectives. Bone & Joint Research. 2025.

25 Montin E, Namireddy S, Ponniah HS, Logishetty K, Khodarahmi I, Glyn-Jones S, Lattanzi R. Radiomics for Precision Diagnosis of FAI: How Close Are We to Clinical Translation? A Multi-Center Validation of a Single-Center Trained Model. Journal of Clinical Medicine. 2025;14(12):4042. doi:10.3390/jcm14124042.

25 Vanzulli A, Sciacqua LV, Patti F, Drebot R, Montin E, Lattanzi R, Lozza LAM, Villa S, Scaramuzza D. Radiomics to predict tumor response to combination chemoradiotherapy in squamous cell carcinoma of the anal canal: a preliminary investigation. European Radiology Experimental. 2025;9(1):35. doi:10.1186/s41747-025-00559-0.

25 Montin E. Editorial for "Diagnosis of Sacroiliitis Through Semi-Supervised Segmentation and Radiomics Feature Analysis of MRI Images." Journal of Magnetic Resonance Imaging. 2025;62(2):573-574. doi:10.1002/jmri.29732.

24 Montin E, Kijowski R, Youm T, Lattanzi R. Radiomics features outperform standard radiological measurements in detecting femoroacetabular impingement on three-dimensional magnetic resonance imaging. Journal of Orthopaedic Research. 2024;42(12):2796-2807. doi:10.1002/jor.25952.

24 Montin E, Deniz CM, Kijowski R, Youm T, Lattanzi R. The impact of data augmentation and transfer learning on the performance of deep learning models for the segmentation of the hip on 3D magnetic resonance images. Informatics in Medicine Unlocked. 2024;45:101444. doi:10.1016/j.imu.2023.101444.

24 Montin E, Corino VDA, Carluccio G, Scaramuzza D. Editorial: Radiomics and AI for clinical and translational medicine. Frontiers in Radiology. 2024.

23 Montin E, Kijowski R, Youm T, Lattanzi R. A radiomics approach to the diagnosis of femoroacetabular impingement. Frontiers in Radiology. 2023;3:1151258. doi:10.3389/fradi.2023.1151258.

22 Relevance of apparent diffusion coefficient features for a radiomics-based prediction of response to induction chemotherapy in sinonasal cancer. NMR in Biomedicine. 2022.

21 Montin E, Lattanzi R. Seeking a widely adoptable practical standard to estimate signal-to-noise ratio in magnetic resonance imaging for multiple-coil reconstructions. Journal of Magnetic Resonance Imaging. 2021.

21 Cavatorta C, Meroni S, Montin E, et al. Retrospective study of late radiation-induced damages after focal radiotherapy for childhood brain tumors. PLOS ONE. 2021;16(2):e0247748. doi:10.1371/journal.pone.0247748.

20 Montin E, et al. A multi-metric registration strategy for the alignment of longitudinal brain images in pediatric oncology. Medical & Biological Engineering & Computing. 2020. doi:10.1007/s11517-019-02109-4.

20 Application of an OCT-based 3D reconstruction framework to the hemodynamic assessment of an ulcerated coronary artery plaque. Medical Engineering & Physics. 2020.

19 Automatic segmentation of optical coherence tomography pullbacks of coronary arteries treated with bioresorbable vascular scaffolds: application to hemodynamics modeling. PLOS ONE. 2019.

18 Radiomic analysis of soft tissues sarcomas can distinguish intermediate from high-grade lesions. Journal of Magnetic Resonance Imaging. 2018.

18 A patient-specific study investigating the relation between coronary hemodynamics and neo-intimal thickening after bifurcation stenting with a polymeric bioresorbable scaffold. Medical Engineering & Physics. 2018.

18 Bologna M, Corino VDA, Montin E, Messina A, Calareso G, Greco FG, Sdao S, Mainardi LT. Assessment of stability and discrimination capacity of radiomic features on apparent diffusion coefficient images. Journal of Digital Imaging. 2018;31(6):879-894. doi:10.1007/s10278-018-0092-9.

17 A framework for computational fluid dynamic analyses of patient-specific stented coronary arteries from optical coherence tomography images. Medical Engineering & Physics. 2017.

17 Reconstruction of stented coronary arteries from optical coherence tomography images: feasibility, validation, and repeatability of a segmentation method. PLOS ONE. 2017.

10 Tana MG, Montin E, Cerutti S, Bianchi AM. Exploring cortical attentional system by using fMRI during a continuous performance test. Computational Intelligence and Neuroscience. 2010;2010:329213.

PEER REVIEW ACTIVITY

28 verified reviews for 15 journals and grant agencies (source: ORCID), including Journal of Magnetic Resonance Imaging (4), Journal of Clinical Medicine (3), International Journal of Medical Informatics (3), Electronics (3), Algorithms (3), JMIR AI (2), Sensors (2), NMR in Biomedicine (1), Journal of Orthopaedic Research (1), Quantitative Imaging in Medicine and Surgery (1), Computational and Structural Biotechnology Journal (1), Orthopedic Research and Reviews (1), Australasian Physical & Engineering Sciences in Medicine (1), Chemosensors (1).

CONFERENCE ABSTRACTS, PROCEEDINGS, AND PRESENTATIONS

26 Accurate segmentations of the femur and acetabulum on volumetric 3T MRI for FAI evaluation. Osteoarthritis and Cartilage, abstract/supplement contribution.

25 Fully Automated Radiomic Analysis to Differentiate Pain Profiles in Femoroacetabular Impingement: A Robust MRI-Based Model. ISMRM 33rd Annual Meeting, Honolulu, Oral Presentation.

25 A Modular End-to-End Open-Source Software Pipeline to Simulate the Entire MRI Experiment. ISMRM 33rd Annual Meeting, Honolulu, Power Pitch.

25 Comparison of mtrk, Pulseq, and vendor sequences using simulated, phantom, and in-vivo acquisitions. ISMRM 33rd Annual Meeting, Honolulu.

25 Deep Learning Networks to Estimate Electric Fields From Noisy B1 Maps. United States National Committee of URSI National Radio Science Meeting.

25 Carluccio G, Montin E, Collins CM, Lattanzi R, Riccio D, Ruello G. Estimating Electric Fields from B1 Maps in Circular and Elliptic Cylinders with Deep Learning. International Conference on Electromagnetics in Advanced Applications (ICEAA). 2025.

25 Logishetty K, Montin E, Namireddy S, Subbiah-Ponniah H, Khodarahmi I, Glyn-Jones S, Lattanzi R. Automated Machine Learning-Based MRI Radiomic Analysis to Identify and Diagnose Patients with Femoroacetabular Impingement. British Hip Society (BHS) Meeting, Harrogate. Orthopaedic Proceedings. 2025;107(SUPP_2):7.

24 Deep Learning Networks Trained with Eccentric and Concentric Cylinders to Estimate Electric Fields. E-Health and Bioengineering Conference, Iasi, Romania.

24 A Serverless Implementation of a Tool for Temperature and SAR Estimation (TESS 2.0). E-Health and Bioengineering Conference, Iasi, Romania.

24 Radiomic Features Outperform Clinical Metrics in Distinguishing Femoroacetabular Impingement Patients from Healthy Subjects. ISMRM & ISMRT Annual Meeting.

24 Predicting Total Knee Replacement Surgery Using Radiomic Features Extracted from MRI Scans. ISMRM & ISMRT Annual Meeting.

24 Predicting Brain Age of Healthy Adults Based on Morphological MRI Parcellation Using Radiomics. ISMRM & ISMRT Annual Meeting.

23 Rado - A Cloud-Based Toolbox for Radiomics Analysis. ISMRM Annual Meeting.

23 A Deep Learning Model for the Estimation of RF Field Trained from an Analytical Solution. IEEE USNC-URSI Radio Science Meeting.

2023 A Web-Accessible Tool for 2D Analytical Solutions of Electromagnetic Fields in Concentric Cylinders. ICEAA.

2023 Impact of the Complexity of the Geometry in an Analytical Solution Used to Train a Deep Learning Network. IEEE EMBS Special Topic Conference.

2023 A Comparative Study of 2D and 3D Deep Learning Networks for Human Body Models Temperature Prediction. IEEE EMBS Special Topic Conference.

2023 Montin E, Carluccio G, Collins CM, Lattanzi R. Tuning and Validation of an Image Registration Procedure for Patient-Specific SAR Simulation. ISMRM 31st Annual Meeting, Toronto, Power Pitch.

2023 Montin E, Muccio M, Ge Y, Lattanzi R. Radiomics Applied to Phase Contrast MRI Images Successfully Distinguishes Healthy Subjects and Multiple Sclerosis Patients. ISMRM 31st Annual Meeting, Toronto.

2023 Montin E, Panozzo D, Lattanzi R. A Neural Network to Estimate the Hip Center of Rotation for a Fully-Automated Range of Motion Analysis in Femoroacetabular Impingement. ISMRM 31st Annual Meeting, Toronto.

2023 Montin E, Kijowski R, Youm T, Lattanzi R. A Radiomic Approach to the Diagnosis of Femoroacetabular Impingement. ISMRM 31st Annual Meeting, Toronto.

2023 Carluccio G, Montin E, Collins CM, Lattanzi R. SAR and Temperature Safety Assessment on Patient Specific Models Generated with a Registration Method. ISMRM 31st Annual Meeting, Toronto.

2022 A Web-Accessible Tool for Temperature Estimation from SAR Simulations (TESS). ISMRM Annual Meeting, Oral Presentation; Magna Cum Laude Merit Award.

2022 A Software Tool to Assess Radiofrequency Coil Designs with Respect to Ultimate Intrinsic Performance Limits. ISMRM Annual Meeting.

2022 Comparison of 2D vs 3D Deep Learning Algorithms to Estimate Temperature Throughout the Human Body. ISMRM Annual Meeting.

2022 Automatic Segmentation of the Hip Bony Structures on 3D Dixon MRI Datasets Using Transfer Learning from a Neural Network Developed for the Shoulder. ISMRM Annual Meeting.

2021 A Web-Accessible Tool for Rapid Analytical Simulations of MR Coils via Cloud Computing. ISMRM Annual Meeting.

2021 CAMRIE - Cloud-Accessible MRI Emulator. ISMRM Annual Meeting, Oral Presentation.

2019 MR Optimum - A Web-Based Application for Signal-to-Noise Ratio Evaluation. ISMRM Annual Meeting.

2019 Bologna M, Calareso G, Resteghini C, Sdao S, Montin E, Corino V, Mainardi L, Licitra L, Bossi P. Radiomics-based prediction of response to induction chemotherapy in sinonasal cancer. Radiotherapy and Oncology. 2019;132:59. ESTRO 38.

2018 Use of Apparent Diffusion Coefficient Images to Predict Response to Induction Chemotherapy in Sinonasal Cancer. IEEE EMBC.

2018 Validation of a Segmentation Method for OCT Images of Coronary Arteries Treated with Bioresorbable Stents for Numerical Modelling. GNB Congress.

2018 Bologna M, Montin E, Corino V, Bossi P, Calareso G, Licitra L, Mainardi L. Histological group identification in sinonasal cancer with diffusion weighted magnetic resonance imaging. GNB Congress.

2018 Meroni S, Cavatorta C, Lecchi M, Montin E, Oprandi C, Pecori E, Spreafico F, Diletto B, Biassoni V, Schiavello E. Retrospective study of late radiation damages after focal radiotherapy for childhood brain tumors. Physica Medica. 2018;56:94. AIFM Congress.

2017 Reconstruction of Stented Coronary Arteries for CFD Analyses: From in Vitro to Patient-Specific Models. Italian Chapter of the European Society of Biomechanics Annual Meeting.

2017 Stability Assessment of First Order Statistics Features Computed on ADC Maps in Soft-Tissue Sarcoma. IEEE EMBC.

2016 Stented Coronary Arteries: A Semi-Automatic Segmentation Method for OCT-Based Reconstruction. VPH 2016.

2016 A Method for Coronary Bifurcation Centerline Reconstruction from Angiographic Images Based on Focalization Optimization. IEEE EMBC.

2015 Tuning of a Deformable Image Registration Procedure for Skin Component Mechanical Properties Assessment. IEEE EMBC.

2015 Franzetti G, Crippa F, Cutrì E, Spatafora G, Montin E, Mainardi L, Spadola G, Testori A, Pennati G. Combined approach for the biomechanical characterization of skin lesions. IEEE EMBC.

2015 Montin E, Šero D, Potepan P, Mainardi LT. Nasopharyngeal carcinoma lymph nodes evaluation during therapy through diffusion weighted magnetic resonance images. 6th European Conference of the International Federation for Medical and Biological Engineering (IFMBE), Dubrovnik.

2015 Image Registration Framework to Investigate Children Neurocognitive Outcome after Focal Brain Irradiation. ESTRO Forum / Radiotherapy and Oncology supplement.

2014 Tuning and Validation of an Image Registration Procedure for Pediatric MR Images. Gruppo Nazionale di Bioingegneria Conference.

2013 A Fully Automatic Method for Soft-Tissue Sarcoma Treatment Response Based on Fuzzy Logic. MEDICON.

2013 Coronary Stenting: From Optical Coherence Tomography to Fluid Dynamic Simulations. IEEE BIBE.

2013 Spina F, Potepan P, Trecate G, Montefusco V, Montin E, Laffranchi A, Mainardi L, Panizza P, Mariani L, Corradini P. Diffusion-weighted Magnetic Resonance vs Skeletal X-ray and Magnetic Resonance of the Spine in Multiple Myeloma. Clinical Lymphoma, Myeloma & Leukemia. 2013;13:s77.

2012 Study of Magnetic Resonance Diffusion Tensor Imaging as a Tool to Investigate the Correlation Between Radiation Dose Distribution and Neurocognitive Outcomes after Treatment of Childhood Malignant Brain Tumors. SIOP Congress.

2012 A Registration Framework for Evaluation of T1, T2 and DWI Signal Intensities in Multiple Myeloma. IEEE EMBC.

2012 Veronese F, Montin E, Potepan P, Mainardi LT. Quantitative characterization and identification of lymph nodes and nasopharyngeal carcinoma by coregistered magnetic resonance images. IEEE EMBC.

2012 Spina F, Potepan P, Trecate G, Montin E, Montefusco V, Laffranchi A, Mainardi L, Panizza P, Mariani L, Corradini P. Results of a Prospective Study Comparing Whole-Body Diffusion-Weighted Magnetic Resonance Imaging with Skeletal X-Ray and Magnetic Resonance of the Spine for Assessing Bone Disease in Multiple Myeloma. Blood. 2012;120(21):2913. ASH Annual Meeting.

2012 Locati L, Granata R, Potepan P, Aliberti G, Civelli E, Bossi P, Montin E, Licitra L. Whole-Body Diffusion MRI and Skeletal Lesions in Thyroid Cancer: Diagnostic and Therapeutic Implications. Annals of Oncology. 2012;23:ix344. ESMO.

2012 Whole-Body DWI, Whole-Body and Whole-Spine MRI in Multiple Myeloma. European Congress of Radiology.

2010 An Effective 3D Segmentation Method for Sinonasal Cancer in Response to Chemotherapy. European Congress of Radiology.

2010 Montin E, Potepan P, Mainardi L. An efficient and effective segmentation software to investigate the apparent diffusion coefficient in multiple myeloma lesions. Congresso Nazionale di Bioingegneria.

2009 A Web-based Tool for Cooperating Behaviors in Eating and Activity Control. Frontiers in Neuroengineering Conference Abstract; Annual CyberTherapy and CyberPsychology Conference. doi:10.3389/conf.neuro.14.2009.06.009.