

# CURRICULUM VITAE

**FIERRO DAVIDE**

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" The undersigned FIERRO DAVIDE, pursuant to the provisions of Articles 46 and 47 of the Presidential Decree 445/2000, aware of the consequences resulting from the release of false declarations, declares under its own responsibility that all possible photocopies attached to the application for participation in the public competition are in conformity with the original in its possession and that every declaration made responds to truth".

- **PROFESSIONAL EXPERIENCES:**

- **1/07/2021:** Winner of the integrated competition ASL Roma 4/5/6, signing of the indefinite contract on 17/06/2021, taking up service on 1/07/2021 at ASL ROMA 6, Castelli Romani Hospital.
- **December 2020:** Member of the board of directors of GITERM (Technical Group of Experts in Magnetic Resonance), affiliated to FASTER (first level association for associations and groups of specialist technicians) and recognized by the Italian Federation of Medical Radiology Technicians.
- **30/03/2020 - 30/06/2021:** Winner of Expression of Interest for titles only for the assignment of a fixed-term assignment regarding the Covid 19 emergency at the Sant'Andrea Hospital in Rome. Main duties covered: Emergency Emergency Service (DEA), Operating room assistance, CT and MRI.
- **1/4/2019 - 31/3/2020:** Winner of the competition for the award of a contract with an annual duration of a research grant pursuant to Article 22 of Law 240/2010; Research activity to be carried out in relation to the project: "High-field magnetic resonance and MR guided treatment with focused ultrasound", SSD MED / 36, Project manager: Prof. Catalano Carlo. **Main task:** Acquisition of research and diagnostic protocols on a 3T high field magnet, Management of workflow data, Principal Investigator of various research projects related to the equipment, Training of technical, medical and university personnel on the main technical procedures necessary for the acquisition and optimization of a diagnostic or research study protocol, Performer of ablative treatments using focused ultrasound under MRI guidance with "Insighetec" HIFU system
- **4/2/2019 - 31/03/2020:** Contract for the stipulation of the acquisition of health services of an extramoenic type at the Headquarters of the Guardia Di Finanza, Polyclinic of Rome, Year 2019-2021, with the use of TSRM employed at the center of advanced diagnostics "Roberto Passariello" CT and MRI service, at Piazza Del Campidano, Rome. **Main equipment used:** Philips Achieva 1,5 T, Philips Brilliance 128 layers TC.
- **1/3/2010 - 28/2/2019:** COMPANY employer: PROMEDICA BIOELECTRONICS SRL (Private Company with Contract c / o University Hospital Policlinico Umberto I - Viale del Policlinico 155 - 00161

Rome). Permanent employment contract PART TIME 78% - 30 hours per week - pursuant to Art. 22 - paragraph 2, Legislative Decree no. 276/03 N. CP RIUF 2096 from 01/07/2011 - . **Type of employment:** Medical radiology technician specialized in high-field magnetic resonance imaging and ablative treatments using the HIFU technique. **Main task:** RM 3 TESLA GE "Discovery 750 ", used both for diagnostic purposes applied on all fields of investigation and for therapeutic purposes by means of integrated technology" EX Ablate "(HIFU) with focused ultrasound for uterine fibroids, metastases bone, breast, prostatic, pancreatic and brain lesions. The general purposes of the work include the following: Creation and management of specific research protocols and sequences; Work Flow Management of data relating to work, reconstructions and post-processing management; Daily and monthly maintenance of the machinery and relations with the tomograph manufacturer; Clinical tutoring on routine activity on correct use in line with the principles of the machinery on university students and volunteer trainees , Teaching and training activities as well as research activities.

- **2/11/2013 - 15/11/2013:** Work activity at Hamad Medical Corporation (DOHA, Qatar), at the National Center for Cancer Care & Research department, as Researcher and MRI Technologist, with Magnetic Resonance GE "Optima 450 GEM "1,5 TESLA, with main technical tasks dedicated to the optimization of protocols and sequences dedicated to both clinical and research activities; processing of data work flow volumes; appliance maintenance management.

#### **STUDY TITLES:**

- First level degree in Techniques of Medical Radiology, for Imaging and Radiotherapy achieved on 21/10/2009, at the UNIVERSITY "La Sapienza" branch of Rieti. Thesis topic: "DESCRIPTION OF A NEW MAGNETIC RESONANCE TECHNIQUE: ANGIO-RM TOF SUBTRACTIVE. Speaker: Prof. ITALO APRILE, professor of Neuroradiology. Graduation mark: 110/110 with honors
- First-level University Master's Degree in " Coordination Functions in the Radiodiagnostic area of Radiotherapy and Nuclear Medicine ". 2009/2010, c / o La Sapienza University of Rome Branch of Rieti, discussing the thesis on: " Analysis of risk management profiles in health organizations" Speaker: Dr. Fasciolo Antonio. Overall mark: 110/100 cum laude.
- Two-year specialist degree in Sciences of the health and diagnostic techniques awarded on 06 December 2012 at the " La Sapienza " University of Rome, Umberto I Polyclinic Company (Degree course A). Discussion of the degree thesis entitled "USE AND DIFFUSION OF 3T IN ITALY: RESULTS OF A SURVEY" Speaker: Dr. Panebianco Valeria. Graduation mark: 110/110 with honors
- Second level University Master's degree in "Management and teaching in health professions", achieved on 6/12/2013, University of Rome "La Sapienza" detached teaching center of Rieti, with a thesis entitled "TRAINING PROJECT: STRATEGIC TOOL FOR THE QUALITY OF ASSISTANCE " Speaker: Dr. Fasciolo Antonio. Overall mark: 110/110 cum laude
- To be in possession of the qualification to exercise the following profession: TSRM - La Sapienza University of Rome, Rieti branch on 07/10/2009.
- To be registered in the Professional Register of Medical Radiology Health Technicians of the Province of Rome, Registered number 4427 since 01/28/2020.
- I declare to possess: Good knowledge of English, read, spoken and written, scientific and non-scientific, completed with stays in the United States, with work activities abroad at the State of Qatar.

## CONGRESS AND EDUCATIONAL ACTIVITIES:

- Participation in the TSRM National Conference - with Special Mention in Neuroradiology for the thesis: " Description of a new magnetic resonance technique: Subtractive Angio-Rm Tof " - a.a. 2008/2009 presented in the scientific session of the third prize " Paola Crocetti " at the " G. d'Annunzio " University of Chieti.
- Certificate of participation in the Refresher Course " TECHNICALLY SPEAKING .....3 ". Innovative technical and training aspects for the TSRM profession - Chieti, 06-07-08 May 2010, organized by the University of Chieti, assigning 11 (eleven) E.C.M. - Head of the Event Dr. Rolando Ferrante.
- Certificate of Participation in the Advanced Magnetic Resonance Course: from image training to functional imaging. Organized by the Radiodiagnostic Operational Department of the Institute for Cancer Research and Treatment of Candiolo, assigning (23) E.C.M.
- Certificate of Participation in the Mammography Course 1 part at the San Hospital Camillo Forlanini - Supervisor Dr. MARZUOLO FEDERICO (training credits 7).
- TRAINING COURSE and refresher course in Magnetic Resonance at the Hospital - Careggi University - Program divided into four modules: 1st Module from 12 - 14 April 2010 carried out, 2nd Module from 26 - 28 April 2010 carried out ,3rd Module from 10 - 12 May 2010 carried out ,4th Module from 24 - 26 May 2010 carried out. For a total of 130 hours - assigning 50 E.C.M.
- Certificate of Participation in the Cardio Magnetic Resonance Course at the San Camillo Forlanini Hospital - Speaker FABIO MARCONI
- Certificate of Participation in the training and refresher course held at the Palazzo dei Congressi in Riccione from 6 to 10 April 2011 both as Evaluator of the Abstracts presented in the MRI session and receiving certificates of participation for: "Body-Basic Skull Neck" Magnetic Resonance Course 8 Credits E.C.M, "Musculoskeletal and Protective Safety" Magnetic Resonance Course 8 Credits E.C.M, Magnetic Resonance Course "Neuroradiology and Fetal" 8 Credits E.C.M
- 31 / March / 2011 - 1 / April / 2011: Participation in the refresher course: "Magnetic Resonance in Medicine: from advanced technological research to clinical practice." Organized by Biomedica SRL at the "Policlinico Umberto I" University, Rome.
- Certificate of Participation in the training course held on 07/06/2011 at the " Policlinico Umberto I " Rome University on - " Safety in RM "
- TRAINING COURSE and updating from 24/7/2011 to 28/7/2011 at Tirat Carmel, Israel, on ExAblate technology that uses focused ultrasound for therapeutic purposes in connection with GE Magnetic Resonance.
- 31 / May / 2013: Participation in the course "Physical methodologies for multimodal body imaging in MRI", held at the Careggi University Hospital.
- 17/01/2020: Participation in the ECM training course (9.3 credits) organized by the order of TSRM and PSTRP of Rome entitled: "Public speaking: how to speak in public"

## DIDACTIC ACTIVITIES:

- **12/11/2021:** Speaker at ASL ROMA 6 company training course entitled "Body-imaging, protocols and application procedures for CT and MRI"
- **01/07/2021:** Speaker at the First Virtual Magnetic Resonance Congress organized by SOLAREM (Society of Magnetic Resonance Technicians of Latin America) entitled: "Prostate MRI: Protocol setting and optimization".
- **05/06/2021:** Speaker at the XX National AITRI Congress Skills and expertise in interventional and complementary radiology with lecture entitled: "Interventional radiology applications in Magnetic Resonance"
- **08/04/2021:** Seminar "Anatomy and radiological technique in the abdomen and special techniques in MRI", at the degree course "Medical radiology techniques for images and radiotherapy" ASL Rome 1 Sede Santo Spirito in Rome
- **29/02/2020:** Lecturer at the ECM course accredited by the Order of Rome on "Effective communication in health care", 8.0 ECM credits
- **08/11/2019:** Lecturer at the ECM course: "Radiological anatomy and acquisition protocols at the level of the pelvic excavation in 3T MRI", organizing body ASL ROMA 6, second meeting
- **18/10/2019:** Lecturer at the ECM course: "Radiological anatomy and acquisition protocols at the level of the pelvic excavation in RM 3T", organizing body ASL ROMA 6, first meeting
- **23/01/2019:** Lecturer of the seminar: "Anatomy and radiological technique of the abdomen and Special techniques in 3T MRI" validity of 1 (one) CFU credit for the Degree Course in "Techniques of Medical Radiology for Imaging and Radiotherapy" , AA 2018/2019, at the La Sapienza University of Rome, S.Spirito ASL ROMA 1 office
- **23/05/2018:** Lesson of the 2nd module of the 1st level Master in Sciences applied to the diagnostic, radiological, laboratory and therapeutic pathways of breast cancer - BREASTMASTER Academic year 2017/2018 - at the Cdl in TRMIR - Forlanini - A.O. San Camillo Forlanini Rome, awarded by the La Sapienza University of Rome.
- **Biennium 2016 - 2018:** Teaching assistant at the specialist / master's degree course "Diagnostic Sciences" on behalf of Dr. Panebianco Valeria for the "Diagnostic Imaging" course.
- **March / April 2013:** Lectures of the integrated course of the examination of "Diagnostics for images 2", on "Equipment, physical principles and clinical protocols in Magnetic Resonance, at the University of" La Sapienza "detached teaching center of Rieti, according to academic year of the three-year degree course in "Techniques of Medical Radiology, Imaging and Radiotherapy.
- **9/05/2013:** Lecturer of the seminar: "Journey into the world of MRI: from spin physics to case reports", valid for the three-year degree course in "Techniques of Medical Radiology, for Imaging and Radiotherapy", at the university "La Sapienza" detached didactic center of Rieti

#### SCIENTIFIC PUBLICATIONS:

- Publication in Progress in Neuroscience journal, Volume 5 number 1-4 page 25 "Subtractive magnetic resonance angiography: description of a new diagnostic technique" (I. APRIL, D. FIERRO,

N. CAPUTO, Department of Neuroradiology, "S. Maria" Hospital, Terni, Italy, Department of Radiology, "Ospedale dei Castelli Romani", Ariccia, Italy)

- Publication in the Expert Review of Medical Device magazine in April 2020; entitled "High Intensity Ultrasound for prostate cancer" (Naples A, Alfieri G, Scipione R, Leonardi A, Fierro D, Panebianco V, De Nunzio C, Leonardo C, Catalano C) PMID: 32275187 DOI: 10.1080 / 17434440.2020.1755258.
- Publication in the Magnetic Resonance Imaging magazine in April 2020; Volume 67, Pages 50-58, entitled "DWI and PRECISE criteria in men on active surveillance for prostate cancer: A multicentre preliminary experience of different ADC calculations" (Francesco Giganti, Martina Pecoraro, Davide Fierro, Riccardo Campa, Francesco Del Giudice, Shonit Punwania, Alex Kirkham, Clare Allen, Mark Emberton, Carlo Catalano, Caroline M. Moore, Valeria Panebianco.) Epub 2019 Dec 30, PMID: 31899283
- Published in Dentomaxillofac magazine. Radiol. in August 2017; 46 (6): 2017005 entitled "The effects of a common stainless steel orthodontic bracket on the diagnostic quality of cranial and cervical 3T- MR images: a prospective, case-control study." (Cassetta M, Pranno N, Stasolla A, Orsogna N, Fierro D, Cavallini C, Cantisani V) Epub 21/06/2017, PMID: 28452576
- Publication in Eur J Radiol magazine. in April 2016; 85 (4): 790-4 entitled "3T multiparametric MRI of the prostate: Does intravoxel incoherent motion diffusionimaging have a role in the detection and stratification of prostate cancer in the peripheral zone?" (Valerio M, Zini C, Fierro D, Giura F, Colarieti A, Giuliani A, Laghi A, Catalano C, Panebianco V) Epub 20/01/2016, PMID: 26971425
- Publication in the journal Urologia on 24/05/2016; 83 (2): 61-7 entitled "Role of multiparametric MRI in the diagnosis of prostate cancer: update." (Rosi G, Indino EL, Salvo V, Colarieti A, Fierro D, Scialpi M, Panebianco V) Epub 08/31/2015, PMID: 26350047
- 4-8 / 04/2014: Poster presented at the ESTRO 33 congress in Vienna, entitled: Optimization of a novel multi-echo 3D UTE volumetric sequence for tissue segmentation in MRI-only RT Planning. (Dr. G. Perkins<sup>1</sup>, Dr. M. McGarry<sup>1</sup>, Dr. T. Torfeh<sup>1</sup>, Dr. R. Hammoud<sup>1</sup>, Dr. D. Fierro<sup>1</sup>, Dr. N. Al Hammadi<sup>1</sup>). <sup>1</sup> Hamad Medical Corporation, Radiation Oncology, Doha, Qatar
- 24-25 / 10/2013: Traditional poster presented at the 4th Annual Congress of the Italian Chapter of the ISMRM "Magnetic Resonance in Medicine 2013: from advanced technological research to clinical practice", entitled: Ultra-high b-value diffusion -weighted imaging for the detection of prostate cancer with 3-T MRI. (Dr. D. Fierro, Dr. F. Barchetti, Dr. V. Forte, Dr. M.G. Bernieri, Prof. C. Catalano, Dr. V. Panebianco).
- All the declared publications can be found electronically on the "PubMed" search engine or in the declared journals.

## REFERENCES:

- **Prof. Panebianco Valeria**, Coordinator of the Prostatic Unit of the Department of Radiological Sciences of the Polyclinic Umberto I "Sapienza University of Rome, Head of the CT and MRI advanced diagnostics service at Policlinico Umberto I in Rome.

- **Dr. Capotondi Carlo**, Director of the Diagnostic Imaging Unit and Department of Diagnostic Imaging, Castelli Romani Hospital, ASL ROMA 6.
- **Prof. Andrea Laghi**, Full Professor of Medical Surgical Sciences and Transitional Medicine (SSD MED / 36), Director of the UOC Radiology Department at the Sant'Andrea Hospital in Rome.
- **Prof. Catalano Carlo**, Full Professor of Medical and Applied Technical Sciences (SSD MED / 36; SC 06 / 11) Department of Radiological, Oncological and Anatomico-Pathological Sciences Sapienza University of Rome Acting Director UOC Radiology A DAI Diagnostic Imaging Policlinico Umberto I, Rome.
- **Dr. Alessandro Napoli**, Researcher T.D. at the Department of Radiological, Oncological and Anatomopathological Sciences.
- **PERSONAL SKILLS**
- Predisposition for team work, Attitude to work towards objectives, Excellent communication skills, Excellent organizational skills in clinical and research activities, High flexibility.
- **PERSONAL CHARACTERISTICS**
- Enthusiasm, initiative and dynamism have always pushed me to move forward in my work, as well as in my studies. What I try to do is set myself goals to achieve, I'm looking for something that allows me to grow personally and professionally, I easily adapt to new environments and work situations.
- Passion for sports and all outdoor disciplines, currently a marathon runner.
- I authorize the processing of data in accordance with the provisions of Legislative Decree 196/2003.
- **INSURANCE**
- I have an accident POLICY and a Professional Civil Liability POLICY.
- All the documents of the activities declared in the CV appear to be in my possession in Italian and English versions certified by an official translator.
- I make the statements contained in this curriculum aware of the criminal sanctions, in the case of untrue statements, formation or use of false documents, referred to in art. 76 of Presidential Decree 445 of 28/12/2000

Roma, 16/02/2022

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