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| PERSONAL INFORMATION | Vito Cantisani CNTVTI74M20E409V | |
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| |  vito.cantisani@uniroma1.it ORCID 0000-0003-1525-214X | |
| | Sex Male Date of birth 20/08/1974 Nationality Italian | |
| CURRENT POSITION SSD (if applicable) | Associate Professor of Radiology (MED 36) at University Sapienza, Rome Vice-Dean of Medicine and Dentistry , Univ. Sapienza, Rome Chairman of Teleradiology Complex Unit, Polo Reatino , Univ. Sapienza Radiographers School, President , Univ. Sapienza, Polo Reatino | |
| RESEARCH TOPICS / EXPERIENCES | Ultrasound, CEUS and Elastography, MPUS CT, Conventional Radiography MRI of chest and abdomen, Artificial Intelligence, Radiomics | |
| SCIENTIFIC / TECHNICAL QUALIFICATION (source: Scopus) | <ul style="list-style-type: none"> ▪ H-index: 50 ▪ No. publications: 277 ▪ No. citations: 11,113 | |
| THEMATIC AREA KEYWORDS (it is possible to select one or more than one thematic area) | <ul style="list-style-type: none"> ▪ US ▪ Radiology ▪ Artificial Intelligence ▪ US-elastography | |

EDUCATION AND TRAINING

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| 1993 - 1999 | Medical Degree (21.07.1999), Sapienza, University of Rome 110 Cum Laude |
| 05.2000 | Licence to Practice as Physician and Surgeon |
| 1999 - 2003 | Residency school of Radiology / Radiologist (22.10.2003), Sapienza, University of Rome, cum Laude |
| 2001 | Visiting Fellow at the Johns Hopkins Hospital in Baltimore, Johns Hopkins Hospital in Baltimore |
| 2002 | Fellowship Research in Abdominal Radiology , Brigham and Women's Hospital (BWH), Boston, Harvard Medical School |

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| 2003 | Attended Radiologic Pathology Course, Armed Forces Institute of Pathology (AFIP) in Walter Reed in Washington |
| 2010 | Ph.D in Thoracic and Cardiovascular Pathophysiology and Imaging , Sapienza, University of Rome |
| 2014 2020 | Master in Health Management, Sapienza , University of Rome Update of Master in Health Management |
| 2014 | Licensed as Assoc. Professors in Radiology (MED-36) in 2012 at National Scientific Licence (competition held in 2012) |
| 2017 | Licensed as Full Professor in Radiology (MED-36) in 2012 at National Scientific Licence (competition held in 2016). |

WORK EXPERIENCE

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| From 06.2004 –2016 | occupation or position held |
| | Staff Specialist in Radiology in Department of Oncologic, Pathologic and Radiological Sciences, Policlinico Umberto I, University Sapienza of Rome |
| 2016-2023 Feb 2023 March 2020-to date 15 Feb 2022 15 Febr 2022 | occupation or position held |
| | Chairman of US Unit, Policlinico Umberto I, Viale del Policlinico, 155, 00161 Roma RM |
| | Chairman of Teleradiology Complex Unit, Polo Reatino, Univ. Sapienza |
| | Vice-Dean of Medicine and Dentistry Faculty, Sapienza, Univ. of Rome |
| | Ass. Prof of Radiology Associate Prof of Radiology |
| 2020 to 2023 2023 to date | occupation or position held |
| | Member of Ethic Committee Policlinico Umberto I-San Andrea Univ.Sapienza Member of Ethic Committee Regionale Lazio Area 1 |
| 2021-2023 | PRIN Evaluator |
| 2021-to date | Italian Navy Seals Scientific Committee Member |
| 2019-2020 2019-2022 | Research evaluation Committee member. Sapienza university Member of the Research Commission of the Department of Radiological, Oncological and Pathological Sciences |

MAIN ROLES AND RESPONSIBILITIES

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| | <p>Editor of</p> <ul style="list-style-type: none"> - Editor of Ultrasound International Open (3.2 IF) since 2014 to date - Editor of Journal of Ultrasound (IF: 2) from 2014 to 2016 - Editor of Ultraschall EJU (3.4 of IF) since 2017 to date - Editorial Board Member of Eur Radiology from 2014-2019 - Editorial Board Member of Med Ultrasonography from 2016 to date - Editorial Board Member of Radiologia Medica (8.9 of IF) from 2021 |
| | <p>Reviewer for:</p> <ul style="list-style-type: none"> - European Journal of Radiology - European Journal of Ultrasound - Endocrine <p>European Journal of Radiology Open</p> <ul style="list-style-type: none"> - Acta Radiologica - Scientific World Journal - Medical Ultrasonography - Journal of Clinical Endocrinology and Metabolism - PLoS One |
| | Guest Leading Editor of the EJR Special Issue about Ultrasound Elastography |
| | <p>Guest Leading Editor of the EJR Special Issue about Contrast-Enhanced Ultrasound</p> <p>Guest Leading Editor of JCM special issue</p> |
| | <p>Member of the EFSUMB Editorial Board which published the EFSUMB Guidelines about US-Elastography, liver and non-liver CEUS and Interventional Ultrasound</p> <p>Leader of MPUS Thyroid Guidelines, Steering Committee Member of MPUS Breast and testis EFSUMB Guidelines</p> |
| | <p>Co-Leading Author of EFSUMB Position Paper about Pediatric Applications of CEUS</p> <p>Leading Author of EFSUMB Position Paper on CEUS Bosniak Classification</p> |
| | MEMBER OF THE EDITORIAL BOARD WHICH PUBLISHED THE WFUMB GUIDELINES ON THYROID AND PROSTATE ELASTOSONOGRAPHY (2016) |
| | MEMBER OF THE STEERING COMMITTEE FOR THE PUBLICATION OF THE NEW GUIDELINES FOR LIVER AND MPUS SUPERFICIAL ORGANS ELASTOGRAPHY |
| | CO-INVESTIGATOR IN SEVERAL DEPARTMENT PROJECTS |
| | <p>Member of the commission who produced the Italian Guidelines of Liver Imaging published with the Istituto Superiore di Sanità with the support of the Ministry of Health (2008)</p> <p>Member of University Sapienza Research Committee</p> <p>MEMBER OF POLICLINICO UMBERTO I, SAN ANDREA, UNIV. SAPIENZA, ETHIC COMMITTEE</p> |
| | MEMBER OF THE SCIENTIFIC COMMITTEE OF MASTER IN CLINICAL ULTRASONOGRAPHY HELD IN UNIVERSITY OF CATANIA (ITALY) IN 2011-2012 |
| | MEMBER OF THE EFSUMB EDUCATIONAL COMMITTEE |

SERVICE TO NATIONAL
AND INTERNATIONAL
COMMUNITY

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| From October 2023 to now From June 2023 to now: From May 2023 From February 2023 From Sept 2022 to date From October 2021 | <ul style="list-style-type: none"> ▪ Member of ECM Sapienza Provider ▪ Committee Member of Ethic Committee Regionale Lazio Area 1 ▪ EFSUMB President Elect ▪ Radiographers School, President, Univ, Sapienza, Polo Reatino ▪ Vice-Chairman of Radiotherapy Residency, Univ. Sapienza ▪ Elected SIRM US Chapter Chairman |
| From January 2021- current | ▪ Vice-Dean of Medicine and Dentistry, Univ. Sapienza, Rome |
| From January 2021- 2023 | ▪ EFSUMB Honorary Treasurer |
| From June 2020 –current | ▪ Vice-President of TSRM Course at Sapienza University, Polo Santo Spirito |
| From May 2022-to date From March 2020- May2022 | <ul style="list-style-type: none"> ▪ SIUMB Past President ▪ SIUMB President |
| From January 2020- current | ▪ Policlinico Umberto I, Sapienza University Ethics Committee Member |
| From June 2019 – 2021 | ▪ Elected Member of the University Research Committee of the Sapienza University |
| From March 2019 – current | ▪ Member of the Research Commission of the Department of Radiological, Oncological and Pathological Sciences |
| From 2019 – 2021 | ▪ EFSUMB Honorary Secretary |
| 2017- March 2020 | ▪ Elected SIUMB President |
| From 2017 – to 2019 | ▪ EFSUMB Publication Committee Chairman |
| from 2014 – to 2018 | ▪ Member of the council of SIRM Ultrasound Chapter; |
| From 2013 – to 2017 | ▪ EFSUMB EPSC Chairman |
| From 2013 - to 2015 | ▪ SIUMB Distance Learning Responsible |
| From 2012 – to 2013 | ▪ Regional Section of SIUMB (Lazio) Responsible |
| From 2011 – to 2013 | ▪ SIRM Contrast Media Section Chairman |
| From 2011 – to 2013 | ▪ EFSUMB EPSC Co-opted Member |
| From 2008 – to 2012 | ▪ SIUMB Contrast Media President |
| 2011 | ▪ SIUMB Technical Chairman |
| From 2011 | ▪ Webmaster EFSUMB |
| From 2008 – to 2011 | ▪ SIRM Contrast Media Section Secretary |
| 2010 | ▪ FAS entitled "Imaging of the neck and abdomen" at the Policlinico Umberto I in July 2010 |
| From 2006 – to 2008 | ▪ SIUMB Contrast Media Chapter Secretary |

TEACHING EXPERIENCE

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| 2021-current | Prof. at Residency School in Anesthesia, Intensive Care and Pain, Univ. Sapienza, Rome |
| | Prof. at Residency School in Nuclear Medicine, Univ. Sapienza, Rome |
| From 2020- current | Prof. at PhD in Innovative Biomedical Technologies in Clinical Medicine, Univ. Sapienza, Rome |

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| From 2018-current | Prof. of Medicine and Surgery II Course at Channel 'D' University Sapienza of Rome From 2019-current Prof. of Diagnostic Imaging Course at Channel 'D' University Sapienza of Rome Prof. of US, Head and Neck at School of Residency in Radiology, |
| From 2019- current | Prof. of IMAGING DIAGNOSIS 2 at Techniques of medical radiology, and radiotherapist ROME Course- Degree course A - Rome Azienda Policlinico Umberto I |
| From 2019- current | Prof. of "IMAGING DIAGNOSIS I" at Techniques of medical radiology and Radiotherapist course, radiotherapist ROME - Degree course G - Rome Ospedale Santo Spirito |
| 2018-2019 | Prof. of EQUIPMENT OF THE RADIOLOGICAL AREA at the Techniques of medical Radiology for images and radiotherapy ROME - Degree course G - Rome S. Spirito Hospital of the Sapienza University of Rome |
| From 2004 - 2019 | Member of the Teaching Staff of Scientific English course in the 1st and 2nd Graduate Courses of Medical Radiology Techniques for Images Medical Radiology and Radiation Therapy in Sapienza, University of Rome |
| From 2011 – to 2015 | Member of the Teaching Staff on Scientific English at Graduation Perfusion Technicians Course, University of Rome |
| From 2015 | Member of the Teaching Staff in Diagnostic Imaging, Channel A, Univ. Sapienza of Rome. |
| from 2014 | Member of the Teaching Staff of the Diagnostic Imaging course, at Dentistry Graduation Course of Sapienza, University of Rome |
| From 2009 – to 2013 | Member of the Teaching Staff of the Diagnostic Imaging course at General Surgery Residency School, Sapienza, University of Rome; |
| 2013 | Member of the Teaching Staff of the Diagnostic Imaging course, at A-Channel of the Graduation Course in Medicine of Sapienza, University of Rome |
| From 2005 – to 2012 | Member of the Teaching Staff of the course entitled "Techniques and Clinical Applications of Color-Doppler Ultrasound" at the Radiodiagnostic Residency school, Sapienza, University of Rome |
| From 2009 – to 2012 | Member of the Teaching Staff of the Diagnostic Imaging course, in the B-Cghannel of the Graduation Course in Medicine of Sapienza, University of Rome |
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MAIN RESEARCH EXPERIENCE

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| 2023 | <ul style="list-style-type: none"> ▪ Member of Italian PNRR PNC 3D for Health. Digital Twins construction: Advanced imaging diagnostics & biomarkers for tissue characterization. Total financing: € 3.964.857,55 |
| 2022 | <ul style="list-style-type: none"> • Principal investigator of "Can 3D multiparametric ultrasound (MPUS) better evaluate carotid atherosclerotic plaque? Color Doppler-US, 2D and 3D CEUS compared to CT angiography" Total financing: 45.561,00 € plus Sapienza University Research Grant assigned |
| 2021 | <ul style="list-style-type: none"> ▪ New strategies in the diagnosis of thyroid nodule: TI-RADS risk stratification systems and Elastography versus Computer Aided Diagnosis software. The TECAD (TIRADS Elastography and Computer Assisted Diagnosis) ▪ Total financing: 15000 plus University Research Grant assigned |

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| 2021 | <ul style="list-style-type: none"> ▪ Artificial intelligence assisted diagnosis, screening, and sampling of digestive and biliopancreatic diseases: an advanced endoscopic workstation. The AID project. ▪ Financing institution: Univ. Sapienza ▪ Total financing: 375.100 € ▪ |
| 2021 | <ul style="list-style-type: none"> ▪ SPHead Smart Personal Health-care Devices ▪ Financing Institution: Regione Lazio |
| 2016 | <ul style="list-style-type: none"> ▪ "Valutazione prospettica della steatosi epatica in pazienti con obesità patologica candidati a chirurgia bariatrica mediante ecografia e nuovi software di quantificazione ecostrutturale" ▪ Financing institution: Univ. Sapienza ▪ Total financing: 3.850,00 € |

HONOURS, AWARDS, MEMBERSHIPS, OTHER QUALIFICATIONS

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| 2021 | <ul style="list-style-type: none"> ▪ 2021 Coordinator, Responsible and Co-Author of the research project "SRE and SWE for the evaluation of indeterminate thyroid nodule" winner of the best oral presentation presented at the US SIRM Section Meeting in Campobasso |
| 2020 | <ul style="list-style-type: none"> ▪ 2020 Coordinator, Responsible and Co-Author of the research project "A clinical case of bilateral paraganglioma discovered incidentally: multiparametric ultrasound evaluation" winner of the MAURIZIO PINTO award as best clinical case presented at the SIUMB 2020 Bologna congress - virtual meeting |
| 2020 | <ul style="list-style-type: none"> ▪ 2020 Coordinator, Responsible and Co-Author of the research project "Computer-aided diagnostic system for thyroid nodule sonographic evaluation outperforms the specificity of less experienced examiner" winner of the BEST JUS PAPER PRIZE 2020 award - Giovanni Serafini at the SIUMB 2020 Bologna congress - virtual meeting. |
| 2020 | <ul style="list-style-type: none"> • 2020 Coordinator, Responsible and Co-Author of the research project "Role of elastosonography in the stratification of the risk of malignancy of the thyroid nodule with indeterminate cytology" awarded as one of the best oral communications at the SIUMB 2020 Bologna congress - virtual meeting |
| 2019 | <ul style="list-style-type: none"> ▪ 2019 Coordinator, Responsible and Co-Author of the research project "Multiparametric ultrasound evaluation of parotid lesions: Eco-color-Doppler in comparison and in combination with CEUS and Elastosonography "awarded as one of the best clinical cases presented at the XXVII SIUMB national congress |
| 2019 | <ul style="list-style-type: none"> ▪ 2019 Coordinator, Responsible and Co-Author of the research project "Multiparametric ultrasound (Eco color Doppler, CEUS and 3-D Arterial Analysis) in the assessment of stenosis and vulnerability of carotid atherosclerotic plaque" awarded as one of the best oral communications at the XXVII national congress SIUMB 2019 |
| 2017 | <ul style="list-style-type: none"> ▪ 2017 Coordinator, Responsible and Co-Author of the research project "Multiparametric ultrasound evaluation of the carotid plaque through CEUS and SWE elastosonography in comparison with CT angiography and histology" awarded as best oral communication at the 26th SIUMB 2017 National Congress |
| 2017 | <ul style="list-style-type: none"> ▪ 2017 Coordinator, Responsible and Co-Author of the research project "Automated classification of breast lesions in ultrasound using the S-detect program: validation and its use as a teaching tool" awarded as best poster at the 26th SIUMB 2017 national congress |
| 2016 | <ul style="list-style-type: none"> ▪ 2016 co-author of the best poster awarded in the Congress of the Italian Endocrinologists |
| 2016 | <ul style="list-style-type: none"> ▪ 2016 Co-author of a paper published on Ultrasound and selected among the best papers by the British Society of Ultrasound |

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| 2016 | ▪ 2016 Mentor of Resident who was awarded \$ 500 student travel award with the abstract "BR245-SD-TUB1: Strain Elastography and Shear-wave Elastography for the Differentiation of Benign and Malignant Breast Lesions" presented at RSNA 2016 |
| 2015 | ▪ 2015 Coordinator, Responsible and co-author of the three abstracts awarded as best oral presentation and as best poster at SIUMB 2015 |
| 2015 | ▪ 2015 Thesis advisor of a thesis awarded as best contributor to the 2015 otolaryngologist congress. |
| 2014 | ▪ 2014 awarded as best presenter in the Head and Neck Session on ECR 2014 |
| 2014 | ▪ 2014 awarded as one of the best investigators in Sapienza; |
| 2011 | ▪ 2011 co-author of a presentation awarded with the Young Investigator Award |
| 2009 | ▪ 2009 second prize at EUROSON 2009 |
| 2008 | ▪ 2008 awarded with a certificate of merit at RSNA 2008 |
| 2007 | ▪ 2007 Winner of Young Investigator Award in EUROSON 2007 in Leipzig |
| 2004 | ▪ 2004 Candidate to Young Investigator Award in EUROSON 2004 in Zagreb |
| 2003 | ▪ Among the top 50 presenters at ESGAR 2003 (Budapest, Hungary) |
| 2003 | ▪ 2003 EURORAD prize |
| 2002 | ▪ 2002 EURORAD prize |
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ADDITIONAL INFORMATION

Publications

List of the most relevant publications up to 5 (last 5 yrs)

- US-Elastography for Breast Lesion Characterization: Prospective Comparison of US BIRADS, Strain Elastography and Shear wave Elastography | US-Elastografie zur Charakterisierung von Brustläsionen: Prospektiver Vergleich von US-BI-RADS, Strain-Elastografie und Scherwellen-Elastografie
Cantisani, V., David, E., Barr, R.G., ...Ballesio, L., D'Ambrosio, F.
Ultraschall in der Medizin, 2021, 42(5), pp. 533–540
- EFSUMB 2020 Proposal for a Contrast-Enhanced Ultrasound-Adapted Bosniak Cyst Categorization - Position Statement | EFSUMB 2020 – Vorschlag für eine an den kontrastverstärkten Ultraschall adaptierte Bosniak-Klassifikation von Zysten –Eine Stellungnahme
Cantisani, V., Bertolotto, M., Clevert, D.-A., ...Webb, J., Sidhu, P.S.
Ultraschall in der Medizin, 2021, 42(2), pp. 154–166
- Artificial intelligence: What is it and how can it expand the ultrasound potential in the future? | Künstliche Intelligenz: Was ist das und welche zukünftige Möglichkeiten bieten sich dadurch?
Cantisani, V., Grani, G., Tovoli, F., Piscaglia, F., Catalano, C.
Ultraschall in der Medizin, 2020, 41(4), pp. 356–360
- Prospective Evaluation of Semiquantitative Strain Ratio and Quantitative 2D Ultrasound Shear Wave Elastography (SWE) in Association with TIRADS Classification for Thyroid Nodule Characterization
Cantisani, V., David, E., Grazhdani, H., ...Giacomelli, L., Catalano, C.
Ultraschall in der Medizin, 2019, 40(4), pp. 495–503

- The EFSUMB guidelines and recommendations for the clinical practice of contrast-enhanced ultrasound (CEUS) in Non-Hepatic Applications: Update 2017 (Long Version) | Die EFSUMB-Leitlinien und Empfehlungen für den klinischen Einsatz des kontrastverstärkten Ultraschalls (CEUS) bei nicht-hepatischen Anwendungen: Update 2017 (Langversion)

Sidhu, P.S., **Cantisani, V.**, Dietrich, C.F., ...Weskott, H.-P., Wijkstra, H.

Ultraschall in der Medizin, 2018, 39(2), pp. e2–e44

Thyroid Nodule Characterization: How to Assess the Malignancy Risk. Update of the Literature.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

8.1.2023

