

# Curriculum Vitae

## INFORMAZIONI PERSONALI

**Nome** DOMENICA  
**Cognome** MATRANGA  
**Recapiti** Dipartimento di Scienze per la Promozione della Salute e Materno-infantile "G. D'Alessandro"  
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## FORMAZIONE TITOLI

### POSITION

2022 Full Professor of Medical Statistics (MED/01) at the Department of Sciences for Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties "G. D'Alessandro"

2015 Professor of Biostatistics (MED/01) at the Department of Sciences for Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties "G. D'Alessandro"

2005 Researcher of Biostatistics (MED/01) at the Department of Biopathology and Medical and Forensic Biotechnologies, University of Palermo. From 2012, she is at the Department of Sciences for Health Promotion and Mother and Child Care "G. D'Alessandro".

### EDUCATION

1998 PhD in Computational Statistics and Applications at the University of Naples, Federico II.  
1994 Degree in Statistical Science and Economics at the University of Palermo, with a final dissertation entitled "Fuzzy Cluster analysis", for which she received an award.  
1994 Qualifying examination in Statistical discipline

### ATTIVITA' DIDATTICA

#### TEACHING

#### DEGREES

- 2022/2023-till now Teaching of Medical Statistics, University of Palermo, School of Medicine, Master Degree of Medicine and Surgery- Technological Curriculum
- 2022/2023-till now Teaching of Medical Statistics, University of Palermo, School of Medicine, Master Degree of Occupational sciences Health diagnostic techniques
- 2004/05-till now Teaching of Medical Statistics, University of Palermo, School of Medicine, Master Degree of Medicine and Surgery
- 2004/05-till now Teaching of Medical Statistics, University of Palermo, School of Medicine, Master Degree of Dentistry
- 2011/12-2012/13 till 2021/2022 Teaching of Medical Statistics, University of Palermo, School of Medicine, Master Degree of Nursing and Midwifery
- 2005/06-2010/11-2015/16-2016/17-2017/18 Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degree of Technician of Radiology
- 2015/16-2016/17-2017/18 Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degree of Technician of Biomedical Laboratory
- 2015/16-2016/17 Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degree of Technician of Psychiatric Neuro-rehabilitation
- 2017/18 Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degrees of Oral hygiene
- 2005/06-2008/09 Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degrees of Oral hygiene, Dietist, Technician of Biomedical Laboratory , Technician of Prevention.
- 2005/06 Teaching of Statistics for Experimental research, University of Palermo, School of Medicine, Bachelor Degree of Technician of Radiology .
- 2004/05 Teaching of Medical Statistics, University of Palermo, School of Medicine, Branch of Caltanissetta, Bachelor Degree of Therapist and Pysiotherapist of Speech.

- 2004/05 Teaching of Statistics for Experimental research, University of Palermo, School of Medicine, Bachelor Degree of Oral hygiene and Dietist.
- 2002-2003: Teaching of Medical Statistics, University of Palermo, School of Medicine, Bachelor Degree of Orthotics.

## SCHOOLS OF HEALTH SPECIALTIES

Anatomia patologica (Since 2011)

Neurologia (Since 2011)

Neuropsichiatria infantile (Since 2011)

Patologia e Biochimica Clinica (Since 2011)

Microbiologia e Virologia (Since 2013)

Igiene e Medicina Preventiva (Since 2013)

Medicina dello Sport (Since 2017)

Ematologia (Since 2017)

Odontoiatria pediatrica (Since 2019)

Neurochirurgia (Since 2019)

Malattie Infettive (Since 2019)

Radioterapia (Since 2020)

Radiodiagnostica (Since 2020)

Statistica Sanitaria e Biometria (Since 2021)

## MASTER

2008/09 Teaching of Statistics for Experimental research, 1st Level Master's Degree entitled "Management e funzioni di Coordinamento nell'area di Radiodiagnostica, Radioterapia, Medicina Nucleare e Fisica Sanitaria"

2007/08-2009/10 Teaching of Biostatistics, 1st Level Master's Degree entitled "Disegno e Conduzione di Studi Clinici in Campo Umano"

2011/12 Teaching of Epidemiology and Health Statistics, Master entitled "Esperto in Pianificazione e Controllo nel Sistema Sanitario", Regional Law n° 20 del 25-11-2002 - Esercizio finanziario 2011 –Department of Education and Training of Sicily.

2014/15 Teaching of Biostatistics, 1st Level Master's Degree entitled "Management dei Servizi Tecnico-Diagnostici"

2015/16-2016/2017 Teaching of Biostatistics, 1st Level Master's Degree entitled "Medicina Orale"

2015/16 Teaching of Biostatistics, 1st Level Master's Degree entitled "Psiconcologia"

2016/17 Lecture entitled "Introduction to a Bayesian approach with applications to Medical Statistics", in the University Degree Course "Statistics applied to Clinical questions"  
From 2018/2019 till now Teaching Board of 2nd Level Master of Farmacoepidemiologia e Valutazione delle cure integrate, Joint Master UNIPA&UNIPD  
2016/17 - 2018/2019 - 2021/2022 Lecture of "Introduzione all'Aproccio bayesiano applicato alla Statistica Medica at the "Corso di Perfezionamento Universitario in "Statistica applicata ai quesiti clinici", UNIMORE  
From 2019-2020 till now Teaching of Medical Statistics of 2nd Level Master of "Organizzazione e Management delle Strutture e dei Servizi Sanitari", UNIPA  
2023/2024 1st Level Master in Management del Rischio Infettivo Correlato all'Assistenza Sanitaria"

*Member of Teaching Board of PhD:*

- Dottorato di Ricerca in Medicina Molecolare e Clinica (Since 2022)
- Dottorato Internazionale in Biomedicina e Neuroscienze (2017-2021)
- Dottorato di Ricerca in Economia Territorio e Sviluppo (2011-2013)
- Dottorato di Ricerca in Statistica Congiunturale, Territoriale e Qualità Totale (2007-2011)

## **RICERCHE FINANZIATE**

## **RESEARCH PROJECTS**

2023-2025 Participating to PNRR Project "From prevention to the etiopathogenetic and pathophysiological mechanisms of dementia: a paradigm shift in the biological continuum of cognitive decline. The PREV-ITA-DEM study",

2021-2023 Work Package Leader of the EU Project METEOR "MEntal hEalth: fOCUS on Retention of healthcare workers", **3rd EU Health Programme, HP-PJ-2020-2**, overall grant €364,424.69, UNIPA grant €57,704.76

2022 Participating to the Project EUROSTART "Autonomous and pRoactive aSsisting sysTem fOr hearTh faiLurE - ARISTOTLE, overall grant € 11.650, 00 (D.R. UNIPA 2604/2022)

2021-2022 Participating to the Project "Mecanism of coping with pandemic-induced individual economic shocks (MeCOPES)", **FORTHEM Fostering Outreach within European Regions, Transnational Higher Education and Mobility, Key Action 2 "European Universities" del Programma Erasmus+ (EAC/A03/2018).**

7-11 June 2021 Scientific Coordinator of the Summer School " Building a pathway to health: Copying strategies and correct lifestyles", FORTHEM Fostering Outreach within European Regions, Transnational Higher Education and Mobility, Key Action 2 "European Universities" del Programma Erasmus+ (EAC/A03/2018)

2020-2022 Coordinator of the Laboratory of Resilience, Life Quality and Demographic Change, FORTHEM Fostering Outreach within European Regions, Transnational Higher Education and Mobility, Key Action 2 "European Universities" del Programma Erasmus+ (EAC/A03/2018) and Demographic Change

2019-2020-2021 Participating to the **OMEGA-NET COST Action** "Network on the Coordination and Harmonisation of European Occupational Cohorts"

2020-2021 Memeber of the Steering Committee of the Objective Project of the National Health Programme 2018 "Messa a punto di un modello di valutazione della qualità nei percorsi di gestione integrata per alcune condizioni di cronicità"

Aug 2015-Jan 2017 Coordinator of the Research Unit of Medical Statistics in the project CIPE2 "Studio di strategie terapeutiche innovative guidate da Imaging molecolare e proteogenomica: applicazioni in oncologia e neurologia", MIUR Funds (D.M. 46965 del 31/12/2008) to Consorzio Lato (Laboratorio di Tecnologie Oncologiche HSRGIGLIO)

2012 Participating to the Project "Analisi dell'efficienza ospedaliera e dell'appropriatezza di alcune prestazioni ospedaliere con DRG ad alto rischio di inapproprietezza in strutture pubbliche ospedaliere siciliane: Costruzione di nuovi indicatori e proposta di aggiornamento degli standards di inapproprietezza, Ex-60% Funds, 2012.

2010-2011 Participating to the Project "Malattie a trasmissione sessuale: Preservare è meglio che curare" – Programma per lo sviluppo del Sistema Sanitario Regionale anno 2007 – bando "Salute della donna"

2010-2011 Participating in the Project "Adult and paediatric patient radiation doses from multidetector CT scans: a national survey" patrocinato dalle Sezioni di Studio Radioprotezione e Radiologia Pediatrica della Società Italiana di Radiologia Medica, coordinator Prof. Sergio Salerno.

2009 Participating in the Project "Attività integrate di campionamento di matrici biologiche da pazienti affetti da carcinoma orale squamocellulare, di creazione banca dati e validazione dei bio-markers salivari mediante RT-PCR e RTQ-PCR", Programma di Ricerca di Interesse Nazionale, coordinator Prof Giuseppina Campisi.

2008 Coordinator of the Project "Sperimentazione di un sistema informativo regionale del rischio clinico in sicilia: sviluppo e valutazione di un modello gerarchico" *vincitore* del bando di Ricerca Sanitaria dell'Assessorato Sanità della Regione Siciliana come da nota assessoriale Prot. n.3 /Dip./ 1086 del 3 marzo 2008

2007 Participating in the Project "PROTEOLISI E GENI COINVOLTI NELLA STORIA NATURALE E METASTATIZZAZIONE DEL CARCINOMA ORALE SQUAMOCELLULARE", Programma di Ricerca di Interesse Nazionale, coordinator Prof. Lorenzo Lo Muzio.

2007 Coordinator of the project "Modelli Statistici per la Valutazione del Rischio Clinico e Applicazioni al Sistema di Indicatori di Wolff", Ex-60% Funds.

2007 Participating in the project "Valutazione del "core group" per la trasmissione dell'infezione da HIV/AIDS a Palermo tramite analisi geospaziale dei casi di sieropositività", Ex-60% Funds

2006 Participating in the project "Nuove forme di dosaggio per la somministrazione di farmaci sulla mucosa orale: Progettazione e studi di biodisponibilità", Ex-60% Funds

2006 Participating in the project "OSTEONECROSI DEI MASCELLARI DA BIFOSFONATI: STUDIO TRASVERSALE E PROSPETTICO CON PROGRAMMAZIONE DI PREVENZIONE SECONDARIA E TERZIARIA", Ex-60% Funds

2005 Participating in the project "Medicina orale e malattia celiaca: panel di ricerche sulla potenzialità diagnostica della mucosa orale", Ex-60% Funds

2005 Participating in the project "Metodi di Ricerca per la valorizzazione dei beni dell'area Mediterranea", Ex-60% Funds

2004-2005: Participating in the Project S.I.R.I.S – Azione 4.4 – Dipendenze per la realizzazione del Sistema Informativo Integrato SocioSanitario della Regione Siciliana. (vedasi PUBBLICAZIONI SU VOLUMI n. 37,38 all'interno del presente CV)

2001-2003: Participating in the Policy Working Group on Urban research del programma EUROCITIES for Urban Policy

2001-2003: Participating in the Programme Leonardo Da Vinci, DG Educazione e Cultura, Progetto WITS Women in new technologies: strategies of training and retraining in Europe - 2001/2003 Promotore: Sintesi (Italia - PA).

## INCARICHI / CONSULENZE

### ACADEMIC ENTRUSTMENT

- Director of the School of Specialty "Statistica Sanitaria e Biometria" 2023-2026 (D.R. 6619 del 17-09-2023)
- Member of the Research Committee of the Department PROMISE <https://www.unipa.it/dipartimenti/promise/qualita/AQRicerca.html>
- Member of the Executive Committee of the Inter-University Center "Healthcare Research & Pharmacoepidemiology" (Decreto rettorale N. 9138 del 4-12-2017)
- Director of the "Corso di Perfezionamento Universitario in "Statistica Medica applicata alla ricerca in campo umano" I Edizione, (2021) <https://www.unipa.it/dipartimenti/promise/content/documenti/Scheda-Statistica-Medica-Applicata-alla-Ricerca-in-Campo-Umano.pdf>
- Co-Director of the Laboratory Healthcare Research & Pharmacoepidemiology of Palermo (<https://www.unipa.it/dipartimenti/promise/struttura/laboratori.html>)
- Member of Commission for Quality Assurance of Member of Commission for Quality Assurance of the Degree in Dentistry (since 2013/2014 till now)
- Member of Commission for Quality Assurance of department Research, Dept of Sciences for Health Promotion and Mother-Child Care "G. D'Alessandro" (since 2014 till now)
- Member of the Joint Commission of the Degree in Nursing and Midwifery (since 17 February 2016 till now)
- Member of Commission for Quality Assurance of Member of Commission for Quality Assurance of the Degree in Nursing and Midwifery (since 15 April 2015 till 17 February 2016)
- Member of the Bioethical Committee Palermo 1 (Since 16 Jan 2014)
- Member of the Bioethical Committee of ASP6 Palermo (Since 21 July 2010)
- Member of Council of President of the School of Medicine, University of Palermo (2006/2007)
- Member of Research Commission of the School of Medicine, University of Palermo (2008/2009)
- Member of Council of President of the Degree in Medicine "Ippocrate", University of Palermo (2012/2013)
- Statistician of the National Institute of Statistics, Branch of Palermo(2001-2005)
- Statistician of the National Institute of Statistics, Branch of Palermo ( 1998-2000)
- Statistical Consultant of Territorial Studies Department (1999-2004)
- Statistical Consultant of Sicilian Reference Center of Organ Transplantation (2002)
- Researcher of project "Evaluation processes and total quality" at the Interdepartmental Center for the monitoring of Economy and Territory (2001)
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## ASSOCIAZIONI SCIENTIFICHE

### SCIENTIFIC SOCIETIES

- Member of The Italian Statistical Society - SIS (since 2005)
- Member of the Italian Society of Medical Statistics and Clinical Epidemiology - SISMEC (Since 2005)
- Coordinator of the SISMEC Working group entitled Statistical Methods and Applications in Dentistry - STATDENT (Since 2010 to 2014)
- Member of the Board of Auditors of SISMEC (since 2013 to 2015)
- Board Member (Auditor) of SISMEC (since 15th September, 2017)
- Member of the Inter-University Centre Healthcare Research & Pharmacoepidemiology (since 2015 till now)

## PUBBLICAZIONE

### PUBLICATIONS (Source: Scopus)

#### 2024

1. Maniscalco L.; Enea M.; de Vries N.; Mazzucco W.; Boone A.; Lavreysen O.; Baranski K.; Miceli S.; Savatteri A.; Fruscione S.; Kowalska M.; de Winter P.; Szemik S.; Godderis L.; **Matranga D.** Intention to leave, depersonalisation and job satisfaction in physicians and nurses: a cross-sectional study in Europe 2024 Scientific Reports 14 1 2312 10.1038/s41598-024-52887-7

- de Vries N.; Maniscalco L.; **Matranga D.**; Bouman J.; Peter de Winter J. Determinants of intention to leave among nurses and physicians in a hospital setting during the COVID-19 pandemic: A systematic review and meta-analysis 2024 PLoS ONE 19 3 March e0300377 10.1371/journal.pone.0300377
- Maniscalco L.; Veronese N.; Ragusa F.S.; Vernuccio L.; Dominguez L.J.; Smith L.; **Matranga D.**; Barbagallo M. Sarcopenia using muscle mass prediction model and cognitive impairment: A longitudinal analysis from the English longitudinal study on ageing 2024 Archives of Gerontology and Geriatrics 117 105160 10.1016/j.archger.2023.105160
- Bianchi A.; **Matranga D.**; Patti F.; Maniscalco L.; Pilotto S.; Di Filippo M.; Zaffaroni M.; Annovazzi P.; Bertolotto A.; Gasperini C.; Quartuccio E.; Centonze D.; Fantozzi R.; Gajofatto A.; Gobbin F.; Landi D.; Granella F.; Buccafusca M.; Marfia G.A.; Chisari C.; Naldi P.; Bergamaschi R.; Greco G.; Zarbo I.R.; Rizzo V.; Ulivelli M.; Bezzini D.; Florio L.; Turazzini M.; Di Gregorio M.; Pugliatti M.; Salemi G.; Ragonese P. The role of ethnicity and native-country income in multiple sclerosis: the Italian multicentre study (MS-MigIT) 2024 Journal of Neurology 10.1007/s00415-024-12214-6

## 2023

- Toia P.; La Grutta L.; Vitabile S.; Punzo B.; Cavaliere C.; Militello C.; Rundo L.; **Matranga D.**; Filorizzo C.; Maffei E.; Galia M.; Midiri M.; Lagalla R.; Saba L.; Bossone E.; Cademartiri F. Epicardial Adipose Tissue Changes during Statin Administration in Relation to the Body Mass Index: A Longitudinal Cardiac CT Study 2023 Applied Sciences (Switzerland) 13 19 10709 10.3390/app131910709
- Pizzo G.; **Matranga D.**; Maniscalco L.; Buttacavoli F.; Campus G.; Giuliana G. Caries Severity, Decayed First Permanent Molars and Associated Factors in 6–7 Years Old Schoolchildren Living in Palermo (Southern Italy) 2023 Journal of Clinical Medicine 12 13 4343 10.3390/jcm12134343
- Veronese N.; Maniscalco L.; **Matranga D.**; Lacca G.; Dominguez L.J.; Barbagallo M. Association Between Pollution and Frailty in Older People: A Cross-Sectional Analysis of the UK Biobank 2023 Journal of the American Medical Directors Association 24 4 10.1016/j.jamda.2022.12.027
- Di Fede O.; Canepa F.; Maniscalco L.; Tozzo P.; **Matranga D.**; Giuliana G. Prevention and the treatment of oral mucositis: the efficacy of sodium bicarbonate vs other agents: a systematic review 2023 BMC Oral Health 23 1 4 10.1186/s12903-022-02586-4
- Maniscalco L.; Genovese D.; Ravazzolo B.; Vella G.; Sparacia B.; Vitale F.; **Matranga D.**; Amodio E. Low Risk of SARS-CoV-2 Reinfection for Fully or Boosted mRNA Vaccinated Subjects in Sicily: A Population-Based Study Using Real-World Data 2023 Vaccines 11 12 1757 10.3390/vaccines11121757
- de Vries N.; Boone A.; Godderis L.; Bouman J.; Szemik S.; **Matranga D.**; de Winter P. The Race to Retain Healthcare Workers: A Systematic Review on Factors that Impact Retention of Nurses and Physicians in Hospitals 2023 Inquiry (United States) 60 10.1177/00469580231159318
- Genovese D.; **Matranga D.**; Maniscalco L.; Pisciotta V.; Vella G.; Casuccio A.; Amodio E. Risk of sars-cov-2 reinfection in sicily: A population-based evaluation of covid-19 events using current health databases 2023 Population Medicine 5 10.18332/popmed/164312
- Veronese N.; Koyanagi A.; Dominguez L.J.; Maggi S.; Soysal P.; Bolzetta F.; Vernuccio L.; Smith L.; **Matranga D.**; Barbagallo M. Multimorbidity increases the risk of dementia: a 15 year follow-up of the SHARE study 2023 Age and Ageing 52 4 afad052 10.1093/ageing/afad052
- Maugeri R.; Brunasso L.; Sciortino A.; Scerrati A.; Buscemi F.; Basile L.; Giammalva G.R.; Costanzo R.; Bencivinni F.; Bruno E.; **Matranga D.**; Maniscalco L.; Gioia F.; Tumbiolo S.; Iacopino D.G. The Impact of Single-Level ACDF on Neural Foramen and Disc Height of Surgical and Adjacent Cervical Segments: A Case-Series Radiological Analysis 2023 Brain Sciences 13 1 101 10.3390/brainsci13010101

## 2022

- Matranga D.**; Maniscalco L.; Enea M.; De Luca D.; Brancato D.; La Spada E.; Scorsone A.; Di Carlo P. Longitudinal investigation of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in older patients in the province of Palermo (Southern Italy) during the early wave of the pandemic 2022 Archives of Medical Science 18 6 10.5114/aoms/134024
- Vetri L.; Maniscalco L.; Diana P.; Guidotti M.; **Matranga D.**; Bonnet-Brilhaut F.; Tripi G. A Preliminary Study on Photic Driving in the Electroencephalogram of Children with Autism across a Wide Cognitive and Behavioral Range 2022 Journal of Clinical Medicine 11 13 3568 10.3390/jcm11133568
- Matranga D.**; Maniscalco L. Inequality in Healthcare Utilization in Italy: How Important Are Barriers to Access? 2022 International Journal of Environmental Research and Public Health 19 3 1697 10.3390/ijerph19031697
- Bartolotta T.V.; Orlando A.A.M.; Dimarco M.; Zarcaro C.; Ferraro F.; Cirino A.; **Matranga D.**; Vieni S.; Cabibi D. Diagnostic performance of 2D-shear wave elastography in the diagnosis of breast cancer: a clinical appraisal of cutoff values 2022 Radiologia Medica 127 11 10.1007/s11547-022-01546-w
- Maniscalco L.; Schouteden M.; Boon J.; Vandenbroeck S.; Mehlum I.S.; Godderis L.; **Matranga D.** The long-term effect of job mobility on workers' mental health: a propensity score analysis 2022 BMC Public Health 22 1 1145 10.1186/s12889-022-13558-2
- Piccoli T.; Blandino V.; Maniscalco L.; **Matranga D.**; Graziano F.; Guajana F.; Agnello L.; Lo Sasso B.; Gambino C.M.; Giglio R.V.; La Bella V.; Ciaccio M.; Colletti T. Biomarkers Related to Synaptic Dysfunction to Discriminate Alzheimer's Disease from Other Neurological Disorders 2022 International Journal of Molecular Sciences 23 18 10831 10.3390/ijms231810831

## 2021

1. Panzarella V.; Giuliana G.; Spinuzza P.; La Mantia G.; Maniscalco L.; Pizzo G.; **Matranga D.** Paediatric sleep questionnaire for obstructive sleep apnoea syndrome screening: Is sleep quality worthy of note? 2021 Applied Sciences (Switzerland) 11 4 1440 10.3390/app11041440
2. **Matranga D.**; Bono F.; Maniscalco L. Statistical advances in epidemiology and public health 2021 International Journal of Environmental Research and Public Health 18 7 3549 10.3390/ijerph18073549
3. Maniscalco L.; Barretta S.; Pizzo G.; **Matranga D.** Knowledge and attitudes towards smoking cessation counselling: An Italian cross-sectional survey on tertiary care nursing staff 2021 PeerJ 9 e12213 10.7717/peerj.12213
4. Cabibbo G.; Celsa C.; Enea M.; Battaglia S.; Rizzo G.E.M.; Busacca A.; **Matranga D.**; Attanasio M.; Reig M.; Craxì A.; Cammà C. Progression-free survival early assessment is a robust surrogate endpoint of overall survival in immunotherapy trials of hepatocellular carcinoma 2021 Cancers 13 1 90 10.3390/cancers13010090
5. Panzarella V.; Bartolone A.; Rodolico V.; Capocasale G.; Maniscalco L.; **Matranga D.**; Di Fede O.; Campisi G. Immune-mediated desquamative gingivitis and optical coherence tomography diagnostic patterns: Clinical implication from a systematic review 2021 Diagnostics 11 8 1453 10.3390/diagnostics11081453
6. Bartolotta T.V.; Orlando A.A.M.; Di Vittorio M.L.; Amato F.; Dimarco M.; **Matranga D.**; lenzi R. S-Detect characterization of focal solid breast lesions: a prospective analysis of inter-reader agreement for US BI-RADS descriptors 2021 Journal of Ultrasound 24 2 10.1007/s40477-020-00476-5
7. Taibbi A.; Petta S.; **Matranga D.**; Caruana G.; Cannella R.; Busè G.; Di Marco V.; Midiri M.; Bartolotta T.V. Liver stiffness quantification in biopsy-proven nonalcoholic fatty liver disease patients using shear wave elastography in comparison with transient elastography 2021 Ultrasonography 40 3 10.14366/usg.20147
8. Novo S.; Diana D.; Tomasino C.; Zambelli G.; Mignano A.; Scalmato A.; Maniscalco L.; Galassi A.R.; **Matranga D.**; Novo G. Electrocardiographic abnormalities, preclinical carotid atherosclerosis and cardiovascular risk in an apparently healthy real-world population Data from the "no Stroke, No Infarction" project of the Rotary International - District 2110 (Sicily and Malta) 2021 International Angiology 40 6 10.23736/S0392-9590.21.04637-X
9. Bartolotta T.V.; Orlando A.A.M.; Schillaci M.I.; Spatafora L.; Marco M.D.; **Matranga D.**; Firenze A.; Cirino A.; lenzi R. Ultrasonographic Detection of Vascularity of Focal Breast Lesions: Microvascular Imaging Versus Conventional Color and Power Doppler Imaging 2021 Ultrasonic Imaging 43 5 10.1177/01617346211029542

## 2020

1. Ferraro L.; La Cascia C.; Quattrone D.; Sideli L.; **Matranga D.**; Capuccio V.; Tripoli G.; Gayer-Anderson C.; Morgan C.; Sami M.B.; Sham P.; De Haan L.; Velthorst E.; Jongasma H.E.; Kirkbride J.B.; Rutten B.P.F.; Richards A.L.; Roldan L.; Arango C.; Bernardo M.; Bobes J.; Sanjuan J.; Santos J.L.; Arrojo M.; Tarricone I.; Tortelli A.; Szöke A.; Del-Ben C.M.; Selten J.-P.; Lynskey M.; Jones P.B.; Van Os J.; La Barbera D.; Amoretti S.; Baudin G.; Beards S.; Berardi D.; Bonetto C.; Cabrera B.; Carracedo A.; Charpeaud T.; Costas J.; Cristofalo D.; Cuadrado P.; Ferchiou A.; Franke N.; Frijda F.; Garcia Bernardo E.; Garcia-Portilla P.; González Peñas J.; González E.; Hubbard K.; Jamain S.; Jiménez-López E.; Lasalvia A.; Leboyer M.; López Montoya G.; Lorente-Rovira E.; M Díaz-Caneja C.; Marcelino Loureiro C.; Marrazzo G.; Martínez C.; Matteis M.; Messchaert E.; Moltó M.D.; Moreno C.; Juan N.; Olmeda M.S.; Parellada M.; Pignon B.; Rapado M.; Richard J.-R.; Rodríguez Solano J.J.; Rossi Menezes P.; Ruggeri M.; Sáiz P.A.; Sánchez-Gutierrez T.; Sánchez E.; Sartorio C.; Schürhoff F.; Seminerio F.; Shuhama R.; Stilo S.A.; Termorshuizen F.; Tosato S.; Tronche A.-M.; Van Dam D.; Van Der Ven E.; Murray R.M.; Di Forti M. Premorbid Adjustment and IQ in Patients with First-Episode Psychosis: A Multisite Case-Control Study of Their Relationship with Cannabis Use 2020 Schizophrenia Bulletin 46 3 10.1093/schbul/sbz077
2. Maniscalco L.; Miceli S.; Bono F.; **Matranga D.** Self-perceived health, objective health, and quality of life among people aged 50 and over: Interrelationship among health indicators in Italy, Spain, and Greece 2020 International Journal of Environmental Research and Public Health 17 7 2414 10.3390/ijerph17072414
3. Agnello F.; Albano D.; Sparacia G.; Micci G.; **Matranga D.**; Toia P.; La Grutta L.; Grassedonio E.; Lo Re G.; Salvaggio G.; Midiri M.; Galia M. Outcome of LR-3 and LR-4 observations without arterial phase hyperenhancement at Gd-EOB-DTPA-enhanced MRI follow-up 2020 Clinical Imaging 68 10.1016/j.clinimag.2020.08.003
4. **Matranga D.**; Restivo V.; Maniscalco L.; Bono F.; Pizzo G.; Lanza G.; Gaglio V.; Mazzucco W.; Miceli S. Lifestyle medicine and psychological well-being toward health promotion: A cross-sectional study on Palermo (Southern Italy) undergraduates 2020 International Journal of Environmental Research and Public Health 17 15 5444 10.3390/ijerph17155444
5. Cabibbo G.; Celsa C.; Enea M.; Battaglia S.; Rizzo G.E.M.; Grimaudo S.; **Matranga D.**; Attanasio M.; Bruzzi P.; Craxì A.; Cammà C. Optimizing sequential systemic therapies for advanced hepatocellular carcinoma: A decision analysis 2020 Cancers 12 8 2132 10.3390/cancers12082132
6. Maniscalco L.; Schouteden M.; Boon J.; **Matranga D.**; Godderis L. The impact of a change in employment on three work-related diseases: A retrospective longitudinal study of 10,530 belgian employees 2020 International Journal of Environmental Research and Public Health 17 20 7477 10.3390/ijerph17207477
7. la Cascia C.; Ferraro L.; Seminerio F.; Scaglione A.; Maniaci G.; **Matranga D.**; Sideli L.; Colli G.; Sartorio C.; La Paglia F.; Tripoli G.; Baido R.L.; Cella M.; la Barbera D. Evaluating the feasibility of the Italian version of the computerized interactive remediation of cognition training for schizophrenia (circuits) 2020 Minerva Psichiatrica 61 4 10.23736/S0391-1772.20.02092-0

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9. Cuccia F.; Mortellaro G.; Mazzola R.; Donofrio A.; Valenti V.; Tripoli A.; **Matranga D.**; Lo Casto A.; Failla G.; Di Miceli G.; Ferrera G. Prognostic value of two geriatric screening tools in a cohort of older patients with early stage Non-Small Cell Lung Cancer treated with hypofractionated stereotactic radiotherapy 2020 *Journal of Geriatric Oncology* 11 3 10.1016/j.jgo.2019.05.002

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Granata C, Palorini F, Origgi D, Matranga D & Salerno S (2013). Multi-detector CT studies in children: A comparison of radiation doses between paediatric and non-paediatric Radiology Units. Results from the first 2011 Italian SIRM Survey. Paper presented at European Congress of Radiology ECR 2013, Vienna.

Salerno S, Origgi D, Palorini F, **Matranga D**, Granata C (2012). Dose assorbita negli esami TC multistrato nell'adulto. Risultati preliminari della prima Survey Nazionale SIRM 2011. In: 45° Congresso Nazionale SIRM. Torino, Italia, 1-5 giugno 2012, p. 350-351, MILANO:SIRM

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## ATTIVITA' SCIENTIFICHE

### SCIENTIFIC ACTIVITIES

Biostatistician Member of Ethical Committees:

- **Comitato Etico Territoriale Sicilia** (Decreto Assessoriale n. 541/2023 del 7-06-2023)
- **Comitato Bioetico Palermo 2** (delibere n. 266 del 24 febbraio 2021 e n. 440 del 25 marzo 2021)
- **Comitato Bioetico Palermo 1** (delibera n. 24 del 16-01-2014)
- **Comitato Bioetico dell'ASP di Palermo**

*Reviewer of*

- BMC Oral Health
- Healthcare
- Clinical Interventions in Ageing
- International Journal for Health Policy and Management
- Journal of gerontology Series b Social sciences
- Helyon
- BMJ Open
- Epidemiology, Biostatistics and Public Health
- BMC Health Services Research
- Quintessence
- PeerJ
- Socio-Economic Planning Sciences Journal
- International Journal Environmental Research Public Health
- Health Policy
- International Journal of Oral Sciences
- Journal of Applied Statistics
- 
- the Italian translation of the book "DANIEL BIOSTATISTICA " , Edises Edition

*Editorial Boards:*

- **Associate Editor** of Frontiers in Public Health- Health Economics Section
- **Guest Editor** of International Journal of Environmental Research and Public Health. Titolo dello Special issue: "Healthcare and Health: Measures and Evaluation
- **Guest Editor** of International Journal of Environmental Research and Public Health. Titolo dello Special issue: "Statistical Advances in epidemiology and Public Health"
- Member of the Editorial Board of EMBJ EuroMediterranean Biomedical J
- Member of the Editorial Board of SM Journal of Clinical and Medical Imaging

*Member of Organizing Committee of Conferences:*

- 20-22 September 2007
  - IV Convegno nazionale della SISMEC "La ricerca clinica tra sperimentazione e osservazione", Monreale, Palermo
- 28 September 2011
  - Workshop su " Nuove Frontiere della Metodologia Statistica per l'Analisi di dati odontoiatrici", Ancona
- 18-20 April 2013
  - Giornata di studio dal titolo: "Gestione, analisi e interpretazione dei dati nella ricerca sulla salute orale" nell'ambito del XX Congresso Nazionale del Collegio dei Docenti in Odontoiatria a Roma.

*Member of Scientific Committee of Conferences:*

- 9-10 July 2015
  - 1st INTERNATIONAL SYMPOSIUM on New Intervention Strategies for Work Stress Innovations and tools to improve Universities and Complex Organizations, Sassari and Alghero
- 7-8 November 2018
  - Joint Congress SISMEC & Associazione Alessandro Liberati - Network italiano Cochrane "Linee guida e percorsi diagnostico-terapeutici assistenziali (PDTA): metodi, aderenza e responsabilità", Roma

- 15 November 2019
  - 3rd National Congress of the Healthcare Research & Pharmacoepidemiology Center “Coniugare Ricerca, Territorio, Istituzioni per generare Real World Evidence in Sanità: Quali opportunità?”, Palazzo Steri, Palermo
- 12-13 November 2020
  - SISMEC Intermediate Congress “CRONICITÀ E VALUE-BASED HEALTHCARE: IL CONTRIBUTO DELLA STATISTICA MEDICA”, streaming
- 28 November 2022
  - METWOR Webinar “Should I stay or Should I go?”, streaming

## **AMBITI DI RICERCA**

### **RESEARCH INTERESTS**

- Bayesian modelling
- Efficiency and Efficacy evaluation of Healthcare through Data Envelopment Analysis Methodology
- Socio-economic determinants of health and health inequalities
- Statistical Methods and application in Dentistry and Oral Health
- Methods for statistical evaluation of diagnostic tests
- Statistical analysis in HPV-studies
- Epidemiology of non-communicable diseases
- Work-related diseases
- Ageing and frailty

## **ALTRE ATTIVITA**

### **INTERNATIONAL ACTIVITIES**

2020 Winner of the Erasmus+ Training Staff Mobility ( Erasmus+ Azione chiave 1- Mobilità dei docenti per attività di formazione A.A. 2019/2020) (Rector's Resolution N. 782/2020). Paese ospitante: Belgio; Istituzione ospitante: KU Leuven University

2019 Eligible to the Programme Erasmus KA107 Higher Education Student and Staff Mobility between Programme and Partner Countries. Partner Country: India; Partner Institution: T.A. Pai Mangement Institute