

EUROPEAN FORMAT
FOR CURRICULUM
VITAE



PERSONAL INFORMATION

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Nationality Italian
Place and date of birth MANTOVA, 3/10/1984

JOB EXPERIENCE

- Period 1st SEPTEMBER 2021 - ONGOING
- Employer University of Parma, Department of Medicine and Surgery
- Type of company Public University
- Position Tenure-track Researcher and Assistant Professor in Internal Medicine (3-year position, according to Law 240/2010, type B).
- Main duties and responsibilities Teaching activities in the Graduate Degree Courses in “Medicine and Surgery” and “Health Assistance”.
Research activities in the field of geriatrics, clinical ultrasonography, microbiota and kidney stone disease.
Care activities at the Geriatric-Rehabilitation Department of Parma University-Hospital.

- Period 1st DECEMBER 2018 – 31st AUGUST 2021
- Employer Parma University-Hospital, Geriatric-Rehabilitation Department (Italy)
- Type of company Teaching Hospital
- Position Staff Physician in Geriatrics (professional assignment: 1/12/2018- 31/12/2020 case-manager; 1/1/2021-ongoing expert case manager).
- Main duties and responsibilities Care activities for outpatients and inpatients in the Internal Medicine and Critical Subacute Care ward of Geriatric-Rehabilitation Department. Teaching and research activities, according to the teaching and academic mission of the Department.

- Period 1st DECEMBER 2015 – 30th NOVEMBER 2018
- Employer University of Parma, Department of Clinical and Experimental Medicine and Department of Medicine and Surgery (Italy)

<ul style="list-style-type: none"> • Type of company • Position 	<p>Public University</p> <p>Researcher and Assistant Professor in Internal Medicine (fixed-term 3-year position, according to law 240/2010, type A).</p>
<ul style="list-style-type: none"> • Main duties and responsibilities 	<p>Teaching activities in the Graduate Degree Courses in “Medicine and Surgery” and “Sciences and Techniques of Preventive and Adaptive Physical Activities”.</p> <p>Research activities in the field of geriatrics, clinical ultrasonography, microbiota and kidney stone disease.</p> <p>Care activities at the Geriatric-Rehabilitation Department of Parma University-Hospital.</p>
<ul style="list-style-type: none"> • Period • Employer 	<p>19th MAY 2015 – 30th NOVEMBER 2015</p> <p>University of Parma, Department of Clinical and Experimental Medicine (Italy)</p>
<ul style="list-style-type: none"> • Type of company • Position 	<p>Public University</p> <p>Clinical Fellow, Ph.D. Student in Medical Sciences</p>
<ul style="list-style-type: none"> • Main duties and responsibilities 	<p>Research activities in the field of geriatrics, clinical ultrasonography, microbiota and kidney stone disease.</p> <p>Care activities at the Geriatric-Rehabilitation Department of Parma University-Hospital.</p>
<ul style="list-style-type: none"> • Period • Employer 	<p>17th MAY 2010 – 19th MAY 2015</p> <p>University of Parma, Department of Clinical and Experimental Medicine (Italy)</p> <p>Parma University-Hospital</p>
<ul style="list-style-type: none"> • Type of company • Position 	<p>Public University – Teaching Hospital</p> <p>Resident in Internal Medicine</p>
<ul style="list-style-type: none"> • Main duties and responsibilities 	<p>Inpatient and outpatient care activities at the Internal Medicine and Critical Subacute Care Unit, Geriatric-Rehabilitation Department, Parma University-Hospital</p>

EDUCATION

<ul style="list-style-type: none"> • Period • Institution 	<p>17th APRIL 2018 – 7th DECEMBER 2018</p> <p>Parma University Hospital (Italy)</p>
<ul style="list-style-type: none"> • Course name and main topics 	<p>Advanced Master in Clinical Research: From Protocol Writing to Applications at the Bedside – Training in Good Clinical Practice</p>
<ul style="list-style-type: none"> • Title obtained 	<p>Attestation of Competence in Clinical Research, Good Clinical Practice Certificate.</p>
<ul style="list-style-type: none"> • Period • Institution 	<p>7th MAY 2014 – 11th OCTOBER 2017</p> <p>University of Parma, Department of Clinical and Experimental Medicine and Department of Medicine and Surgery (Italy)</p>
<ul style="list-style-type: none"> • Course name and main topics 	<p>Ph.D. Course (Research Doctorate) in Medical Sciences, XXIX Cycle.</p> <p>Ph.D. dissertation: “Gut microbiota in idiopathic calcium nephrolithiasis: results from a next-generation metagenomics study”. Final examination passed with full marks and honors (eccellente cum laude). The results of the Ph.D. dissertation were published on the international journal Gut (IF 2022: 54.5, doi: 10.1136/gutjnl-2017-315734).</p>
<ul style="list-style-type: none"> • Title obtained 	<p>Ph.D. in Medical Sciences.</p>
<ul style="list-style-type: none"> • Period • Institution 	<p>23rd – 25th NOVEMBER 2016</p> <p>University of Parma (Italy)</p>

- Course name and main topics Master Class Advanced Course in “Ultrasound assessment of sarcopenia”, teacher Prof. Marco Vincenzo Narici, University of Nottingham.

- Period 17th MAY 2010 – 19th MAY 2015
 - Institution University of Parma, Department of Clinical and Experimental Medicine (Italy)
- Course name and main topics Post-Graduate Specialization Course in Internal Medicine
 - Title obtained Board certification in Internal Medicine obtained with full marks and honors (50/50 cum laude).

- Period 1st MARCH 2013 – 15th APRIL 2013
 - Institution Italian Society of Ultrasound in Medicine and Biology (SIUMB) Ultrasound School of Bologna, Policlinico Sant’Orsola Malpighi University Hospital, Bologna (Italy)
- Course name and topics Practical Course of Clinical Ultrasound. Education on the clinical aspects and technique of clinical bedside ultrasound (Tutor Dr. Carla Serra).
 - Title obtained SIUMB Diploma of Competence in Clinical Ultrasonography

- Period 20th OCTOBER 2009 – 16th MAY 2010
 - Institution Parma University-Hospital (Italy)
 - Qualification Intern physician (volunteer doctor) at the Internal Medicine and Critical Subacute Care Unit, Geriatric-Rehabilitation Department.

- Period 1st OCTOBER 2003 – 19th OCTOBER 2009
 - Institution Medical School, University of Parma (Italy)
- Course name and topics Graduation Course in Medicine and Surgery
 - Graduation Thesis: “Hospital-related malnutrition: report of an observational study in a large academic hospital”.
 - Title obtained Master Doctor in Medicine and Surgery with full marks and honors (110/110 cum laude) and honorable mention by the graduation commission.

- Period 11th SEPTEMBER 1998 – 26th JUNE 2003
 - Institution Liceo Scientifico “Belfiore”, Mantova (Italy)
 - Title obtained High School Diploma, vote 100/100.

FURTHER TITLES, AFFILIATIONS AND HONORS

From 2022 to date – Member of the Internationalization and Erasmus Program Commission of the Department of Medicine and Surgery of the University of Parma, as Erasmus Coordinator for the Medicine and Surgery Graduation Course.

2019 – National Scientific Habilitation as Associate Professor of Internal Medicine, awarded by the Italian Ministry of Education and University National Commission (Italian Law 240/2010), valid until September 11th, 2028.

From 2019 to date – Member of the Board for Innovation and Research of Parma University-Hospital, upon appointment by the University-Hospital General Manager.

From 2018 to date – Founding Member of the “Research Group on Thoracic Ultrasound in the Elderly” (Gruppo di Ricerca sull’Ecografia Toracica nell’Anziano, GRETA) of the Italian Society of Gerontology and Geriatrics (SIGG). Referent of the group: Prof. Raffaele Antonelli-Incalzi, Campus Biomedico University, Rome (Italy).

From 2017 to date – Founding Member of the “Microbiome Research Hub” Interdepartmental Research Center of the University of Parma (Italy). Head of the Center Prof. Marco Ventura.

2017-2018 – Member of the Executive Board of the Department of Medicine and Surgery of the University of Parma (Italy), as representative of the Department junior researchers.

2016-2018 – Member of the Institutional Review Board (IRB) of the Department of Medicine and Surgery of the University of Parma (Italy).

From 2016 to date – Fellow in Geriatrics of the Italian Society of Gerontology and Geriatrics (SIGG).

From 2015 to date – Associate of the Italian Society of Gerontology and Geriatrics (SIGG).

From 2010 to date – Associate of the Italian Society of Internal Medicine (SIMI).

From 2010 to date – License to practice the Medical Profession and registration to the professional association of physicians and dentists (Province of Mantova, Italy, from 2010 to 2021; Province of Parma, Italy, from 2021 onwards).

PERSONAL COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER SPOKEN LANGUAGES

ENGLISH

FRENCH

- Reading
- Writing
- Oral expression

EXCELLENT (EQUIVALENT TO C1)

DISCRETE (EQUIVALENT TO B1)

EXCELLENT (EQUIVALENT TO C1)

ELEMENTARY (EQUIVALENT TO A2)

EXCELLENT (EQUIVALENT TO C1)

ELEMENTARY (EQUIVALENT TO A2)

TECHNICAL COMPETENCES

- Excellent competence in clinical ultrasonography, with experience as independent executor of >800 abdominal ultrasound examinations, >300 thoracic ultrasound examinations and >200 muscle ultrasound examinations.

- Excellent skills in scientific writing, from protocols to final manuscripts.

DETAILS ON CLINICAL, TEACHING AND RESEARCH ACTIVITIES

CLINICAL ACTIVITIES

Inpatient setting

From 2015 onwards, Dr Ticinesi has worked as consultant in Geriatric Medicine (Staff Physician, role case-manager until 31/12/2020 and expert case-manager from 1/1/2021, according to the Italian classification) at the Internal Medicine and Critical Subacute Care Unit of Parma-University-Hospital, Geriatric-Rehabilitation Department. The unit is structured in four different wards with a total number of 106 beds for acute and subacute patients, and is organized by intensity of care (48 high-turnover beds for acute care, 28 medium-turnover beds for subacute care, 30 beds for long-term in-hospital care). Dr Ticinesi has had the direct responsibility for the care of patients for fixed periods of the year (around 100 acute patients per year), and has done on-call activity on night and holiday shifts.

He has also contributed to the implementation of the use of point-of-care bedside ultrasound in the care of older patients admitted in the Unit, being responsible for the application of internal ultrasound procedures in admitted patients by the whole Unit staff.

He also participated into several organizational projects that were made effective at the Internal Medicine and Critical Subacute Care Unit for reducing the Emergency Department overcrowding and that were mainly focused on older patients:

- Creation of a temporary “come and go” ward for facing sudden unexpected overflows of geriatric patients to the Emergency Department (years 2015-2018);
- Creation of a “Multidisciplinary Mobile Unit” (MMU), a particular “hospital-at-home” program dedicated to patients residing in nursing homes of the Parma district (for details please see the paper Nouvenne A, et al. *BMJ Open* 2020; 10(2): e034742.) (years 2018-ongoing);
- Implementation of a Geriatric Emergency High-Turnover Unit for rapid assessment and discharge of geriatric patients with mild/moderate clinical conditions (years 2019-2020);
- Definition of the care pathways for patients with Coronavirus Disease 19 (COVID-19) at Parma University-Hospital and transformation of the Geriatric-Rehabilitation Department into a COVID-19 Hospital during the pandemic peak (March-April 2020).

Outpatient Setting

From 2015 onwards, Dr Ticinesi has made around 150 specialist internal medicine visits for outpatients with kidney stone disease per year, specifically focused on the prevention of the recurrences of renal colic.

TEACHING ACTIVITY

Undergraduate Courses of the University of Parma

- “Functional and Instrumental Semeiotics”, Master Course Degree in Medicine and Surgery, 2 ECTS Credits, Academic years 2021-22, 2022-23.
- “Medical Semeiotics – Internship”, Master Course Degree in Medicine and Surgery, 1 ECTS Credit, Academic years 2021-22, 2022-23.
- “Internal Medicine”, Master Course Degree in Healthcare Assistance, 1 ECTS Credits, Academic year 2022-23.
- “Functional and Instrumental Semeiotics”, Master Course Degree in Medicine and Surgery, 1 ECTS Credit, Academic years 2015-16, 2016-17, 2017-18.
- “Semeiotics and Clinical Methodology B”, Master Course Degree in Medicine and Surgery, 1 ECTS Credit, Academic year 2018-19.
- “Internal Medicine and Geriatrics - Internship”, Master Course Degree in Medicine and Surgery, 1 ECTS Credit, Academic years 2015-16, 2016-17, 2017-18.
- “Sports Medicine”, Master Course Degree in Medicine and Surgery, 1 ECTS Credit, Academic year 2017-2018
- “Hydrology, Sports Therapy and Nutrition”, Master Course Degree in Sciences and Techniques of Preventive and Adaptive Physical Activities, 4 ECTS Credits,

Academic year 2017-18

- “Venipuncture and vascular access”, Master Course Degree in Medicine and Surgery, optional course, 2 ECTS credits, Academic years 2015-16, 2016-17, 2017-18, 2018-19
- “Semeiotics of the multimorbid elderly patient”, Master Course Degree in Medicine and Surgery, Integrative Course, 1 ECTS credit, Academic years 2018-19, 2019-2020, 2020-21.

Post-Graduate Specialization Courses and Masters of the University of Parma

- “Clinical research methodology”, Post-Graduate Specialization Course in Emergency-Urgency Medicine, 2 ECTS Credits, Academic years 2015-16, 2016-17, 2017-18, 2018-19, 2019-2020, 2020-21, 2021-22.
- “Signs and symptoms of immunologic and allergic diseases within general physical examination”, Post-Graduate Specialization Course in Allergology and Clinical Immunology, 5 ECTS credits, Academic years 2016-17, 2017-18, 2019-20, 2020-21, 2021-22.
- “Internal Medicine Internship 2”, Post-Graduate Specialization Course in Allergology and Clinical Immunology, 1 ECTS credit, Academic years 2016-17, 2017-18.
- “Scientific English Language”, Post-Graduate Specialization Course in Emergency-Urgency Medicine, 1 ECTS credit, Academic years 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22.
- “Lung ultrasound”, Post-Graduate Specialization Course in Emergency-Urgency Medicine, 1 ECTS credit, Academic years 2017-18, 2018-19, 2019-20, 2020-21, 2021-22.
- “Artificial Nutrition at the end of life”, Palliative Care Post-Graduate Master Course, 1 ECTS credit, Academic year 2019-2020.

Participation to examination boards of undergraduate courses of the University of Parma

- Integrated Course “Semeiotics and Clinical Methodology”, Master Course Degree in Medicine and Surgery, from academic year 2015-16 up to now
- Integrated Course “Internal Medicine and Geriatrics”, Master Course Degree in Medicine and Surgery, academic years 2016-17, 2017-18.
- Integrated Course “Lifestyles and wellbeing”; Master Course Degree in Medicine and Surgery, academic year 2017-18.
- Integrated Course “Urgency Medicine and First Care”, Master Course Degree in Medicine and Surgery, academic year 2017-2018.
- Integrated Course “Lifestyles, Risk Factors and Techniques of Wellbeing”, Master Course Degree in Sciences and Techniques of Preventive and Adaptive Physical Activities, academic year 2017-18.
- Graduation Exams in Medicine and Surgery, academic years 2015-16, 2016-17, 2017-18, 2021-22.

Advisorship or tutoring for graduation theses of University of Parma students

Main advisor of 14 Graduation theses in Medicine and Surgery Master Course and tutor of 10 further Graduation theses in Medicine and Surgery Master Course, listed below:

- “The role of intestinal microbiota as risk factor for *Clostridium difficile* infection in elderly hospitalized multimorbid patients” (Tutor, academic year 2015-16).
- “Acute abdominal pain: epidemiology, prognosis and safety of the approach adopted in the Emergency Department. A study on 5340 cases” (Main advisor, academic year 2015-2016).
- “Evaluation of the negative predictive value of troponin I under cut-off in patients admitted to the Emergency Department with diagnoses other than acute coronary syndrome” (Main advisor, academic year 2015-16).
- “Intestinal microbiota in idiopathic calcium nephrolithiasis: results of an

- observational study conducted with non-cultural metagenomics approaches” (Tutor, Academic year 2015-16)
- “Muscle ultrasound for assessing sarcopenia in older patients: reproducibility study and comparison with DXA” (Main advisor, Academic year 2016-17).
 - “Managing frequent hospital admissions in patients over 75 years old: a case-series study on 118 patients of Parma University-Hospital” (Main advisor, Academic year 2016-17).
 - “Applications of the novel diagnostic criteria of sepsis (qSOFA) in an internal medicine unit: prospective cohort study” (Main advisor, academic year 2016-17).
 - “Electric cardioversion in acute atrial fibrillation: 10 years of experience in the Emergency Department of Parma University-Hospital” (Main advisor, academic year 2016-17).
 - “Epidemiology and clinical management of mushroom poisoning in Parma University-Hospital Emergency Department: retrospective study” (Main advisor, academic year 2016-17).
 - “C-reactive protein and its variations as clinical predictors of adverse events in older patients hospitalized with sepsis” (Main advisor, academic year 2017-18).
 - “Frailty and risk of delirium in older patients hospitalized with sepsis: observational prospective study” (Main advisor, academic year 2017-18).
 - “Integrating muscle ultrasound in multidimensional geriatric assessment: limitations and perspectives” (Main advisor, academic year 2017-18).
 - “Composition of intestinal microbiota in older patients with sarcopenia: preliminary results of an observational study” (Main advisor, academic year 2017-18).
 - “*Clostridium difficile* infection in older multimorbid patients: current aspects and limitations” (Main advisor, academic year 2017-18).
 - “Comparison between high-sensitivity troponin and contemporary sensitive troponin in patients admitted to Emergency Department with thoracic pain” (Main advisor, academic year 2017-18).
 - “Gut-kidney axis in nephrolithiasis: analysis of fecal and urinary microbiota in patients with recurrent stones” (Tutor, academic year 2018-19).
 - “Application of the novel high-sensitivity troponin I tests (hs-TnI) in older multimorbid patients admitted in an internal medicine unit” (Tutor, academic year 2018-19).
 - “Prognostic value of unspecific high-sensitivity troponin I (hs-TnI) elevation in frail multimorbid hospitalized patients” (Tutor, academic year 2018-19)
 - “Pilot study on the applicability of pulmonary elastosonography in the evaluation of risk and diagnosis of non cardiogenic interstitial pulmonary diseases” (Tutor, academic year 2018-19).
 - “Delirium in a high-turnover internal medicine unit: epidemiology and clinical correlations” (Tutor, academic year 2018-19).
 - “Correlation between pulmonary elastosonography and parameters of respiratory functions in patients hospitalized with COPD exacerbation” (Tutor, academic year 2018-19).
 - “Delirium in patients admitted in a geriatric unit: epidemiology, clinical and therapeutical implications” (Tutor, academic year 2019-20).
 - “Thoracic ultrasound in patients with suspect COVID-19 pneumonia on admission to Parma University-Hospital: a correlation study with chest CT” (Tutor, Academic year 2019-20).
 - “Analysis of the composition of fecal and respiratory microbiome in patients with COVID-19” (Main advisor, Academic year 2021-22).
 - “The Rapid Geriatric Unit: a novel organizational model for managing urgency in older hospitalized patients: the experience of Parma University-Hospital” (Main advisor, Academic year 2022-23)

- “Factors associated with the development of delirium in an internal medicine ward: the role of frailty measured with the Clinical Frailty Scale” (Main advisor, AA 2022-23)
- “The microbiome of different body districts in severe COVID-19: cross-sectional clinical study with multi-omic approach” (Main advisor, AA 2022-23)

Other didactic institutional appointments

Member of the Internationalization and Erasmus Program Commission of the Department of Medicine and Surgery of the University of Parma, as Erasmus Coordinator for the Medicine and Surgery Graduation Course (from February 2022 to date).

Ph.D. Theses evaluation

External reviewer for the Ph.D. dissertation “Diet quality, the gut microbiota, and associations with muscle health”, Food & Mood Centre, Institute for Mental and Physical Health and Clinical Translation, Faculty of Medicine, Deakin University, Geelong, Australia (Candidate: Jessica Allison Davis; Supervisor: Professor Felice Jacka), January 2022.

RESEARCH ACTIVITY

Main research themes

- Pathophysiology of intestinal microbiota and clinical correlations in humans
- Multimorbidity, frailty and disability in elderly people
- Clinical ultrasonography applications in older patients
- Pathophysiology of kidney stone disease and prevention of recurrences

Main research responsibilities

Referent for clinical research of the Internal Medicine and Critical Subacute Care Unit of Parma University-Hospital, Italy, from 2016 onwards.

Principal Investigator of the following clinical studies, conducted at the Geriatric-Rehabilitation Department of Parma University-Hospital:

- “Application of the novel Sepsis-3 diagnostic criteria in an internal medicine ward: prospective cohort study on a group of elderly inpatients” (Observational single-center prospective study, years 2016-2018, Sponsor: Parma University-Hospital)
- “The significance of 25-OH-vitamin D and 1,25-OH₂-vitamin D levels in older patients admitted to hospital with acute illness: observational study” (Observational multicenter prospective study, years 2017-2020, Sponsor: Parma University-Hospital)
- “Analysis of the composition of fecal microbiota in older subjects with primary sarcopenia and non-sarcopenic controls: is there a gut-muscle axis?” (Observational single-center cross-sectional study, years 2017-2020, Sponsor: University of Parma)
- “Multicenter study on efficacy and safety of tocilizumab for treatment of patients with COVID-19 pneumonia – EuDRACt Number 2020-0011100-38” (Multicenter intervention study, year 2020, Sponsor: Istituto Nazionale Tumori IRCCS Fondazione G. Pascale, Napoli)
- “Analysis of the ultrasound characteristics of diaphragm and femoral quadriceps muscle in older hospitalized subjects with COPD” (Multicenter observational study, years 2021-22, Sponsor: IRCCS San Raffaele Pisana,

Rome).

Sub-Investigator of the following multi-center studies:

- “REPOSI Collaborative Project (Registro Politerapie SIMI)” (Observational multicenter registry of patients admitted to Italian internal medicine wards, years 2016-2020, Sponsors: Italian Society of Internal Medicine and Istituto Farmacologico Mario Negri di Milano, Local PI for the Parma Center: Prof. Tiziana Meschi)
- “SPRINT-T Clinical Trial - Sarcopenia and Physical Frailty in Older People: multicomponent treatment strategies” (Randomized clinical trial without drugs, years 2016-2019, Sponsors: Catholic University of the Sacred Heart in collaboration with Innovative Medicines Agency and European Federation of Pharmaceutical Industries and Associations, Local PI for the Parma Center: Prof. Marcello Maggio)
- “ColCOVID-19: Colchicine to counteract inflammatory response in COVID-19 pneumonia – EuDRACt Number 2020-001258-23” (Randomized controlled trial with drugs, year 2020, Sponsor Parma University-Hospital, PI Prof. Umberto Maggiore)
- “ISARIC (International Severe Acute Respiratory and emerging Infection Consortium) COVID-19 Clinical Characterization Study” (Longitudinal multicenter observational study, years 2021-22, Sponsor ISARIC Global Support Center, University of Oxford, Local PI for the Parma Center: Dr. Matteo Puntoni).

Sub-Investigator of further 17 observational studies, either prospective or retrospective, conducted at the Internal Medicine and Critical Subacute Care Unit of Parma University-Hospital from 2015 to date.

Participation in international and national research networks

From May 2021 to date – Member of the ISARIC (International Severe Acute Respiratory and emerging Infection Consortium) COVID-19 Clinical Characterization Group. Output of the collaboration: two international publications.

-ISARIC Clinical Characterization Group, Garcia-Gallo E, Merson L, Kennon K, Kelly S, Citarella BW, Fryer DV, Shrapnel S, Lee J, Duque S, Fuentes YV, Balan V, Smith S, Wei J, Gonçalves BP, Russell CD, Sigfrid L, Dagens A, Olliaro PL, Baruch J, Kartsonaki C, Dunning J, Rojek A, Rashan A, Beane A, Murthy S, Reyes LF. ISARIC Clinical Characterization Group, ..., Thwaites RS, [Ticinesi A](#), Tierney P, ISARIC-COVID-19 dataset: A Prospective, Standardized, Global Dataset of Patients Hospitalized with COVID-19. *Sci Data* 2022; 9(1): 454. (IF 9.8).

-Gonçalves BP, Hall M, Jassat W, Balan V, Murthy S, Kartsonaki C, Semple MG, Rojek A, Baruch J, Reyes LF, Dasgupta A, Dunning J, Citarella BW, Pritchard M, Martin-Quiros A, Sili U, Baille JK, Aryal D, Arabi Y, Rashan A, Angheben A, Caoili J, Carrier FM, Harrison EM, Gomez-Junyent J, Figueiredo-Mello C, Douglas JJ, Mat Nor MB, Chow YP, Wong XC, Bertagnolio S, Thwin SS, Streinu-Cercel A, Salazar L, Rishu A, Rangappa R, Ong DSY, Hashmi M, Carson G, Diaz J, Fowler R, Kraemer MUG, Wils EJ, Horby P, Merson L, Olliaro PL, ISARIC Clinical Characterisation Group, ..., Thwaites RS, [Ticinesi A](#), Tierney P, An International observational study to assess the impact of the Omicron variant emergence on the clinical epidemiology of COVID-19 in hospitalised patients. *eLife* 2022; 11: e80556. (IF 7.7)

From september 2019 to date – Member of the international research group MICROCOSM (MICRObiome contributions on the Complexity Of the Stone Matrix) on the pathophysiological role of the microbiome in the development of urolithiasis (Founder Prof. Aaron Miller, Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, USA). Output of the collaboration: two international publications.

-Kachroo N, Lange D, Penniston KL, Stern J, Tasian G, Bajic P, Wolfe AJ, Suryavanshi M, Ticinesi A, Meschi T, Monga M, Miller AW. Standardization of microbiome studies for urolithiasis: an international consensus agreement. *Nat Rev Urol* 2021, 18(5): 303-311. (IF 15.3).

-Kachroo N, Lange D, Penniston KL, Stern J, Tasian G, Bajic P, Wolfe AJ, Suryavanshi M, Ticinesi A, Meschi T, Monga M, Miller AW. Meta-analysis of clinical microbiome studies in urolithiasis reveal age, stone composition, and study location as the predominant factors in urolithiasis-associated microbiome composition. *mBio* 2021; 12(4): e02007-21. (IF 6.4)

From march 2018 to date – Founding member of the Thoracic Ultrasound in the Elderly Research Group of the Italian Society of Gerontology and Geriatrics (Gruppo di Ricerca sull'Ecografia Toracica nell'Anziano della Società Italiana di Gerontologia e Geriatria), Referent of the Group Prof. Raffaele Antonelli Incalzi, Campus Biomedico University of Rome. Output of the collaboration: organization of four theoretical and practical courses on thoracic ultrasound in the older patient (2018, 2019 and 2021: courses preceding the annual congress of the Italian Society of Gerontology and Geriatrics; 2022: stand-alone event for Italian residents of geriatrics and gerontology); publication of two papers on international journals.

-Ticinesi A, Scarlata S, Nouvenne A, Lauretani F, Antonelli Incalzi R, Ungar A, GRETA Group of the Italian Society of Gerontology and Geriatrics. The geriatric patient: the ideal one for chest ultrasound? A review from the Chest Ultrasound in the Elderly Study Group (GRETA) of the Italian Society of Gerontology and Geriatrics (SIGG). *J Am Med Dir Assoc* 2020; 21(4): 447-454.e6. (IF 7.6)

-Ticinesi A, Lauretani F, Nouvenne A, Ungar A, Antonelli Incalzi R, Scarlata S. Chest ultrasound in italian geriatric wards: Use, applications and clinicians' attitudes. *J Gerontol Geriatr* 2020; 68(1): 1-10. (IF 0.4)

2015 – Participation into the “Consensus conference for the metabolic diagnosis and medical prevention of calcium nephrolithiasis and its systemic manifestations”, held in Rome. Organizers of the Consensus Conference: Prof. Giovanni Gambaro and Prof. Pietro Manuel Ferraro, Catholic University of the Sacred Heart. Output of the collaboration: one international publication

-Gambaro G, Croppi E, Bushinsky D, Jaeger P, Cupisti A, Ticinesi A, Mazzaferro S, D'Addessi A, Ferraro PM. The risk of chronic kidney disease associated with urolithiasis and its urological treatments: a review. *J Urol* 2017; 198(2): 268-273. (IF 6.6)

2014 – Participation into the “Club della Litiasi Urinaria” (Italian Group on Urinary Lithiasis); Referents of the Club Prof. Pasquale Strazzullo and Prof. Domenico Prezioso, University of Naples Federico II. Output of the collaboration: one international publication.

-Prezioso D, Strazzullo P, Lotti T, Bianchi G, Borghi L, Caione P, Carini M, Caudarella R, Gambaro G, Gelosa M, Guttilla A, Illiano E, Marangella M, Meschi T, Messa P, Miano R, Napodano G, Nouvenne A, Rendina D, Rocco F, Rosa M, Sanseverino R, Salerno A, Spatafora S, Tasca A, Ticinesi A, Travaglini F, Trinchieri A, Vespasiani G, Zattoni F. Dietary treatment for urinary risk factors of renal stone formation. A review of CLU Working Group. *Arch Ital Urol Androl* 2015; 87(2): 105-120. Erratum in: *Arch Ital Urol Androl* 2016; 88(1):aiua.2016.1.76. (IF 1.4)

Grants

Winner of the University of Parma Intramural Research Grant for Young Investigators 2016 (FIL Quota Incentivante 2016 dell'Università di Parma), awarded on a competitive basis, for the project “Exercise, nutrition and gut microbiota in older individuals: is there a gut-muscle axis in sarcopenia and physical frailty?”. (€ 6.000)

Co-Principal Investigator of the project “Effects of water therapy on gut and urinary microbiota in calcium nephrolithiasis”, funded on a competitive basis by the Italian Foundation for Scientific Thermal Research (Fondazione per la Ricerca Scientifica Termale - FoRST) in 2018. (€ 22.000)

Research awards

2018 – Best Oral Communication Award 14th EuGMS (European Geriatric Medicine Society) Congress, Berlin, for the oral communication “Profiling the hospital-dependent oldest-old patient: a case-series study of multiple readmissions at Parma University-Hospital, Italy”.

2016 – Fellow in Geriatrics of the Italian Society of Gerontology and Geriatrics (SIGG). Prize awarded for the research activity in the field of medicine of aging.

2015 – Best Oral Communication Award in the section “Clinical Ultrasound”, 116th National Congress of the Italian Society of Internal Medicine (SIMI), for the study “Is pulmonary ultrasonography accurate for the diagnosis of acute respiratory diseases in frail multimorbid elderly? Results of a diagnostic trial in an acute-care setting”.

2015 – Young Against Pain (YAP) Prize awarded by SIMPAR (Study in Multidisciplinary Pain Research) during the 7th SIMPAR Congress for the research activity in the field of ageing.

2009-2015 – Winner of five awards for the best poster during the National Congresses of the Italian Society of Internal Medicine (SIMI).

Congress speeches

Invited speaker in the following international congresses and meetings:

- International Congress “Dementia, Infections and Vaccines: 30 years of controversy”, organized by European Interdisciplinary Council on Ageing (EICA) and European Geriatric Medicine Society (EuGMS), Venezia, Italy, June 2023. Invited Speech: Dementia and Microbiota.
- 1st European Congress on Microbiota and Virology, Paris, France, March 2023. Invited speech: Aging gut microbiota: the gut-muscle axis.
- International Working Meeting “Dementia, infections and vaccines: 30 years of controversy”, organized by European Interdisciplinary Council on Ageing (EICA), online meeting, November 2022. Invited speech: “Dementia and microbiota”.
- 23rd International Puijo Symposium “Physical Exercise for health promotion and medical care – Translation of research evidence to everyday practice”, organized by Kuopio Research Institute of Exercise Medicine, Kuopio (Finland), June 2022. Invited speech (plenary): Exercise as a modulator of intestinal microbiome.
- JPI INTIMIC Healthy Microbiome Symposium “A healthy diet for a healthy life”, organized by JPI INTIMIC Consortium (<https://www.healthydietforhealthylife.eu/>) and Medical University of Vienna, Vienna, May 2022. Invited keynote inspiring lecture (plenary): Gut microbiota: a marker of aging trajectories and a target for anti-aging interventions?
- 5th Menarini Symposium on Nephrolithiasis - "SECONDARY FORMS OF NEPHROLITHIASIS: don't look at the finger but point at the moon", organized by Menarini International Foundation, Florence, Italy, May 2022. Faculty

member and chair of a plenary session.

- American Delirium Society 2021 Virtual Annual Conference, online event June 2021. Invited speech: Delirium and COVID-19 in patients admitted to a large academic hospital: experience from Italy.
- 5th International Symposium GE-VD “Feeding the Microbiota”, organized by Centre Hospitalier Universitaire de Genève and Université de Genève, Switzerland, February 2020. Invited lecture (plenary): Microbiota, physical function and sarcopenia.
- 15th EuGMS International Congress of the European Geriatric Medicine Society, Krakow, Poland, September 2019. Organizer of the Symposium “Aging and microbiome: the new frontier of geriatric medicine?”. Invited lecture: “Gut microbiome across the lifespan and its relevance for physical performance”.
- Congress of the Menarini International Foundation supported by the Italian Society of Nephrology (SIN), EULIS, Club della Litiasi Urinaria and University of Verona with the support of ERA-EDTA (European Renal Association – European Dialysis Transplantation Association): “Renal Stones in Practice: an Advanced Course”, Verona, Italy, June 2019. Member of the Congress Faculty, chair of parallel sessions and invited speaker (plenary) on the theme “Nutrition and nephrolithiasis, and the nutritional investigation”.
- German Olympic Congress for Sports Medicine Specialists 2018, Hamburg, Germany, May 2018. Invited Lecture : “Gut microbiome: is there a gut-muscle axis?”.

Invited speaker in the following national congresses and meetings:

- 2nd National Course on Thoracic Ultrasound in Older Patients, organized by the Italian Society of Gerontology and Geriatrics (SIGG), Florence, May 2023. Member of the Faculty, tutor of practical sessions and teacher.
- 1st Parma Microbiota Day, organized by the Microbiome Research Hub of the University of Parma, Parma, April 2023. Invited Speech: “Microbiome and Health in Aging”-
- 1st National Course on Thoracic Ultrasound in Older Patients, organized by the Italian Society of Gerontology and Geriatrics (SIGG), Florence, September 2022. Member of the Faculty, tutor of practical sessions and teacher.
- 66th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Rome, December 2021. Invited speech: “Ultrasound diagnostics of parenchymal consolidations in older patients”.
- 7th National Congress of the Italian Society of Respiratory Medicine in Older Age (SIMREG), online event, November 2020. Invited speech: “Thoracic ultrasound in older frail patients”.
- 64th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Rome, November 2019. Invited speeches: “Ultrasound diagnostics of pneumonia in older patients” and “Ultrasound diagnostics of pleural effusions in older patients”.
- Congress of the Italian Society of Gerontology and Geriatrics (SIGG) “Non-pharmacologic treatment of respiratory failure in the elderly”, San Giovanni Rotondo, April 2019. Invited lecture “Low-cost monitoring of respiratory failure: thoracic ultrasound, echocardiography, bioimpedance analysis”.
- 63th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Rome, November 2018. Invited speech: “Ultrasound diagnostics of pneumonia in older patients”
- “Geriatrics Meets Other Specialties” Congress organized by the University of Florence, Florence, November 2017. Invited Lecture “Thoracic ultrasound in older hospitalized patients: superior to conventional radiology?”.
- “Water, Health and Wellness” Congress organized by Menarini International Foundation and University of Bologna, Cesena, June 2014. Invited Lecture:

“Kidney Stone Disease: which beverage?”.

Oral communications in international congresses:

- European Geriatric Medicine Society (EuGMS) 2020 e-Congress, October 2020. Two speeches: “Chest ultrasound for detection of COVID-19 pneumonia in nursing homes: feasibility study” – “Trends of admissions to a large academic urban hospital during the COVID-19 outbreak in Italy: focus on older patients”
- 15th EuGMS International Congress of the European Geriatric Medicine Society, Krakow, Poland, September 2019. One speech: “Application of the Sepsis-3 Consensus Criteria in a geriatric acute care unit: a prospective study”.
- 14th EuGMS International Congress of the European Geriatric Medicine Society, Berlin, Germany, October 2018. One speech: “Profiling the hospital-dependent oldest-old patient: a case-series study of multiple readmissions at Parma University-Hospital, Italy”.
- 7th International Conference on Frailty and Sarcopenia Research (ICFSR) 2017, Barcelona, Spain, April 2017. One speech: “The association between gut microbiota composition and frailty, multimorbidity and polypharmacy in hospitalized older patients. Preliminary results from a next-generation metagenomics study”.
- 11th EUGMS (European Union Geriatric Medicine Society) Congress, Oslo, Norway, September 2015. Two speeches: “Chest ultrasound for the diagnosis of acute respiratory diseases in frail multimorbid hospitalized elderly.” - “*Clostridium difficile* infection and composition of gut microbiota in hospitalized elderly: case-control study.”
- European and Swiss Congress of Internal Medicine 2014, Geneva, Switzerland, May 2014. One speech: “Idiopathic calcium nephrolithiasis and 25-OH-vitamin D deficiency: new scenarios?”
- 12th European Congress of Internal Medicine, Prague, Czech Republic, October 2013. Two speeches: “Carbapenemase-producing *Klebsiella pneumoniae* (KPC) infection outbreak in Italy: report of an experience with elderly frail patients” - “New pharmacologic approach to patients with idiopathic calcium nephrolithiasis and high uricosuria: febusostat vs allopurinol. A pilot study”.
- 11th Congress of the European Federation of Internal Medicine (EFIM), Madrid, Spain, October 2012. Two speeches: “Quality of life (QoL), readmission and prognosis in dementia: the role of artificial nutrition. A retrospective, observational, parallel-group study” - “Study of urinary dietetic-metabolic risk profile in bedridden inpatients on artificial nutrition (tube feeding or total parenteral nutrition)”.

Oral communications in national congresses:

- 63th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Rome, November 2018. One speech: “Who’s the geriatric hospital-dependent patient? A case-series study from Parma University Hospital”.
- 119th National Congress of the Italian Society of Internal Medicine (SIMI), Rome, October 2018. One speech: “Profiling the hospital dependent patient: retrospective analysis of elderly subjects with multiple unexpected readmissions in an academic hospital”.
- 62th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Naples, December 2017. Two speeches: “Application of the novel Sepsis-3 Criteria in geriatric patients: comparison between qSOFA and SIRS in mortality prediction” - “Correlations between 4-AT delirium scale and Rockwood Clinical Frailty Scale in older patients admitted to hospital with acute infection”.
- 118th National Congress of the Italian Society of Internal Medicine (SIMI), Rome, October 2017. Two speeches: “Application of the novel sepsis criteria in an

internal medicine ward: is qSOFA equivalent to SIRS in older multimorbid patients?” - “4-AT delirium screening tool is significantly correlated with Rockwood Clinical Frailty Scale in older multimorbid patients admitted to hospital with infection”.

- 61th National Congress of the Italian Society of Gerontology and Geriatrics (SIGG), Naples, December 2016. Two speeches: “Intestinal microbiota in older hospitalized patients: which relationship with multimorbidity, frailty and polypharmacy? Pilot study with metagenomics approaches” - “Thoracic ultrasound in geriatric patients hospitalized with suspect pneumonia: a diagnostic accuracy study”.
- 117th National Congress of the Italian Society of Internal Medicine (SIMI), Rome, October 2016. One speech: “Sex-hormone binding globulin (SHBG) levels and executive function in 70-year old community-dwellers: the PIVUS study”.
- 116th National Congress of the Italian Society of Internal Medicine (SIMI), Rome, October 2015. Two speeches: “Is pulmonary ultrasonography accurate for the diagnosis of acute respiratory diseases in frail multimorbid elderly? Results of a diagnostic trial in an acute-care setting” - “Is vitamin D repletion safe in patients with idiopathic calcium nephrolithiasis and hypovitaminosis D? A 3-month prospective study on urinary factors of lithogenic risk”.
- 115th National Congress of the Italian Society of Internal Medicine (SIMI), Rome, October 2014. One speech: “Multiple comorbidities as risk factors for community-acquired pneumonia in elderly frail patients admitted to an acute medical ward: a retrospective study” - “Prealbumin and C-reactive protein levels at hospital admission as predictors of rehospitalization or death in elderly frail patients”

Editorial activity

Editorial Board Member of the following international journals:

- “BMC Geriatrics” (ISSN: 1471-2318 – IF 2021: 4.1)
- “European Journal of Medical Research” (ISSN: 2047-783X - IF 2021: 4.2)
- “Annals of Medicine” (IF 2021: 4.4)
- “Frontiers in Medicine: Geriatric Medicine” (IF 2021: 3.9)
- “Experimental Gerontology” (IF 2021: 3.9)

From 2012 to date, peer-reviewer of the following international scientific journals (listed by decreasing impact factor 2021; the journals with >2 reviewed papers in the last three years are underlined):

- Kidney International (IF 19.6)
- Nature Reviews Urology (IF 15.3)
- Cell Reports Medicine (IF 14.3)
- Journal of the American Society of Nephrology (IF 13.6)
- Gut Microbes (IF 12.2)
- Clinical and Translational Medicine (IF 10.6)
- Chest (IF 9.6)
- Journal of Cachexia, Sarcopenia and Muscle (IF 8.9)
- Annals of the American Thoracic Society (IF 8.3)
- International Journal of Biological Macromolecules (IF 8.2)
- International Journal of Nanomedicine (IF 8)
- European Journal of Internal Medicine (IF 8)
- Archives of Medical Research (IF 7.7)
- Computers in Biology and Medicine (IF 7.7)
- Journal of the American Medical Directors' Association (IF 7.6)
- American Journal of Clinical Nutrition (IF 7.1)
- Critical Reviews in Microbiology (IF 6.5)
- Clinical Nutrition (IF 6.3)

- Computer Methods and Programs in Biomedicine (IF 6.1)
- Nutrition Reviews (IF 6.1)
- Food and Function (IF 6.1)
- Neurobiology of Disease (IF 6.1)
- Cells (IF 6)
- Nutrients (IF 5.9)
- Frontiers in Cellular and Infection Microbiology (IF 5.7)
- International Journal of Molecular Sciences (IF 5.6)
- Journal of Functional Foods (IF 5.6)
- Mechanisms of Ageing and Development (IF 5.3)
- Molecular Nutrition and Food Research (IF 5.2)
- Aging (Albany) (IF 5.2)
- Frontiers in Microbiology (IF 5.2)
- Cancers (IF 5.2)
- Journals of Gerontology Series A Biological Sciences and Medical Sciences (IF 5.1)
- Postgraduate Medical Journal (IF 5.1)
- American Journal of Physiology – Endocrinology and Metabolism (IF 5.1)
- Probiotics and Antimicrobial Proteins (IF 4.9)
- mSphere (IF 4.8)
- Frontiers in Aging Neuroscience (IF 4.8)
- Biomedicines (IF 4.7)
- Internal and Emergency Medicine (IF 4.6)
- Mediators of inflammation (IF 4.6)
- Scientific Reports (IF 4.6)
- Nutrition (IF 4.4)
- Applied and Environmental Microbiology (IF 4.4)
- Frontiers in Neuroscience (IF 4.3)
- BMC Microbiology (IF 4.2)
- American Journal of Physiology-Renal Physiology (IF 4.2)
- European Journal of Medical Research (IF 4.2)
- BMC Geriatrics (IF 4.1)
- Aging Clinical and Experimental Research (IF 4)
- Archives of Gerontology and Geriatrics (IF 4)
- Journal of Alzheimers Disease (IF 4)
- Frontiers in Physiology (IF 4)
- Experimental Gerontology (IF 3.9)
- Frontiers in Medicine (IF 3.9)
- Journal of Clinical Medicine (IF 3.9)
- Nutrition Metabolism and Cardiovascular Diseases (IF 3.9)
- International Journal of Food Sciences and Nutrition (IF 3.9)
- Journal of Frailty and Aging (IF 3.9)
- European Geriatric Medicine (IF 3.8)
- Respiration (IF 3.7)
- PLoS One (IF 3.7)
- Clinical Interventions in Aging (IF 3.6)
- Journal of Nephrology (IF 3.4)
- Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy (IF 3.3)
- Journal of Human Nutrition and Dietetics (IF 3.3)
- Journal of Renal Nutrition (IF 3.2)
- Hormones-International Journal of Endocrinology and Metabolism (IF 3.2)
- Journal of Intensive Care Medicine (IF 3.1)
- Urolithiasis (IF 3.1)
- Journal of Medical Microbiology (IF 3)
- BMJ Open (IF 2.9)

- Therapeutics and Clinical Risk Management (IF 2.8)
- Medicina (IF 2.6)
- Asian Journal of Urology (IF 2.6)
- BMC Emergency Medicine (IF 2.5)
- Journal of Clinical Densitometry (IF 2.5)
- Biomarkers in Medicine (IF 2.2)
- FEMS Microbiology Letters (IF 2.1)
- Journal of Gastrointestinal and Liver Diseases (IF 2.1)
- BMC Urology (IF 2)
- New Microbiologica (IF 1.8)
- Australasian Journal on Ageing (IF 1.6)
- Central European Journal of Immunology (IF 1.3)
- BMJ Case Reports (IF 0.9)
- Journal of Gerontology and Geriatrics (IF 0.4)
- Erciyes Medical Journal (IF 0.4)
- NPJ Aging
- Disease Markers
- Oncotarget
- International Journal of Environmental Research and Public Health
- Brain Behavior and Immunity-Health
- Microbiome Research Reports

Peer-reviewer and external advisor of international projects on behalf of the following international funding bodies:

- United Kingdom Research and Innovation (UKRI) – Biotechnology and Biological Sciences Research Council grants 2022.
- European Research Council (ERC Advanced Grants 2019, Horizon 2020 Program), years 2019-2020.
- ÖAW Österreichische Akademie der Wissenschaften (Austrian Academy of Sciences), year 2019.
- AFM-Téléthon France (French Muscular Dystrophies Association), years 2018 and 2022.
- Akademie ved Ceske Republiky (Czech Republic Science Academy), year 2016.

Bibliometric indexes (updated 4th July 2023)

Number of international articles as main author: **123**

Of whom, published in journals with IF: **107**

Number of international articles authored as member of a collaborative group: **28**

Number of publications listed on PubMed: **136**

Number of publications listed on Scopus: **140**

Total IF: **541.4**

Average IF (considering only publications with IF): **5.06**

Number of total citations: **3923** (Scopus).

H-index: **36** (Scopus).

Top cited and milestone papers

1. Milani C, **Ticinesi A**, Gerritsen J, Nouvenne A, Lugli GA, Mancabelli L, Turrioni F, Duranti S, Mangifesta M, Viappiani A, Ferrario C, Maggio M, Lauretani F, de Vos W, van Sinderen D, Meschi T, Ventura M. Gut microbiota composition and *Clostridium difficile* infection in hospitalized elderly individuals: a metagenomic

- study. *Sci Rep* 2016; 6: 259245; doi: 10.1038/srep25945. (IF 4.6). *Study demonstrating the association between gut microbiota dysbiosis and Clostridium difficile infection in older hospitalized patients. Citations (Scopus): 128*
2. **Ticinesi A**, Meschi T, Narici MV, Lauretani F, Maggio M. Muscle ultrasound and sarcopenia in older individuals: a clinical perspective. *J Am Med Dir Assoc* 2017; 18(4): 290-300. (IF 7.6). *Systematic review of the literature on the possible use of bedside ultrasound as a method of assessment of sarcopenia in older individuals. Citations (Scopus): 132*
 3. **Ticinesi A**, Lauretani F, Milani C, Nouvenne A, Tana C, Del Rio D, Maggio M, Ventura M, Meschi T. Aging gut microbiota at the cross-road between nutrition, physical frailty and sarcopenia: is there a gut-muscle axis? *Nutrients* 2017; 9(12): E1303. (IF 5.9). *First article published in the scientific literature hypothesizing the possible involvement of the intestinal microbiota in the pathogenesis of age-related sarcopenia, with a rigorous description of the possible mechanisms. Citations (Scopus): 144.*
 4. **Ticinesi A**, Milani C, Lauretani F, Nouvenne A, Mancabelli L, Lugli GA, Turrone F, Duranti S, Mangifesta M, Viappiani A, Ferrario C, Maggio M, Ventura M, Meschi T. Gut microbiota is associated with polypharmacy in elderly hospitalized patients. *Sci Rep* 2017; 7(1): 11102. (IF 4.6). *Study demonstrating the association between polypharmacy and gut microbiota dysbiosis in older individuals, hypothesizing an association between microbiota composition and prognostic trajectory. Citations (Scopus): 99.*
 5. **Ticinesi A**, Milani C, Guerra A, Allegri F, Lauretani F, Nouvenne A, Mancabelli L, Lugli GA, Turrone F, Duranti S, Mangifesta M, Viappiani A, Ferrario C, Dodi R, Dall'Asta M, Del Rio D, Ventura M, Meschi T. Understanding the gut-kidney axis in nephrolithiasis: an analysis of the gut microbiota composition and functionality of stone formers. *Gut* 2018; 67: 2097-2106. (IF 24.5). *Largest study published to date on the relationship between gut microbiota composition and the presence of recurrent calcium nephrolithiasis, with the first demonstration that the lithogenic risk is influenced by the lack of a network of bacteria with oxalate-degrading functionalities in stone formers. Citations (Scopus): 73.*
 6. Nouvenne A, Zani MD, Milanese G, Parise A, Baciarello M, Bignami EG, Odone A, Sverzellati N, Meschi T, **Ticinesi A**. Lung ultrasound in COVID-19 pneumonia: correlations with chest CT on hospital admission. *Respiration* 2020; 99: 617-624. (IF 3.7). *First demonstration in the medical literature that the lung ultrasound findings in COVID-19 interstitial pneumonia correlate with high-resolution computed tomography findings. Citations (Scopus): 61.*
 7. **Ticinesi A**, Lauretani F, Nouvenne A, Mori G, Chiussi G, Maggio M, Meschi T. Lung ultrasound and chest X-ray for detecting pneumonia in an acute geriatric ward. *Medicine* 2016; 95(27): e4153. (IF 1.6). *Study demonstrating that the diagnostic accuracy of lung ultrasonography for detecting pneumonia in older people is superior to X-ray, especially in those subjects with mobility limitations. Citations (Scopus): 49.*

Full list of international publications (2021 impact factor and article type indicated)

1. Tiezzi C, Vecchi A, Rossi M, Cavazzini D, Bolchi A, Laccabue D, Doselli S, Penna A, Sacchelli L, Brillo F, Meschi T, **Ticinesi A**, Nouvenne A, Donofrio G, Zanelli P, Benecchi M, Giuliadori S, Fiscaro P, Montali I, Ceccatelli Berti C, Reverberi V, Montali A, Urbani S, Pedrazzi G, Missale G, Telenti A, Corti D, Ottonello S, Ferrari C, Boni C. Natural heteroclitic-like peptides are generated by SARS-CoV-2 mutations. *iScience* 2023; 26(6): 106940. (IF 5.8) [Original article]
2. **Ticinesi A**, Parise A, Nouvenne A, Cerundolo N, Prati B, Meschi T. The possible role of gut microbiota dysbiosis in the pathophysiology of delirium in older persons. *Microbiome Res Rep* 2023; 2: 19. [Review]
3. **Ticinesi A**, Nouvenne A, Cerundolo N, Parise A, Meschi T. Accounting gut microbiota as the mediator of beneficial effects of dietary (poly)phenols on skeletal muscle in aging. *Nutrients* 2023; 15: 2367. (IF 5.9) [Review]
4. Ecartot F, Boccardi V, Calcagno A, Franceschi C, Fülöp T, Itzhaki RF, Michel JP, Panza F, Rainero I, Solfrizzi V, **Ticinesi A**, Veronese N, Maggi S. Dementia, infections and vaccines: 30 years of controversy. *Aging Clin Exp Res* 2023; 35(6): 1145-1160. (IF 4) [Opinion paper]
5. **Ticinesi A**, Guerra A, Nouvenne A, Meschi T, Maggi S. Disentangling the complexity of nutrition, frailty and gut microbial pathways during aging: a focus on hippuric acid. *Nutrients* 2023; 15: 1138. (IF 5.9) [Review]
6. **Ticinesi A**, Parise A, Nouvenne A, Cerundolo N, Prati B, Guerra A, Tuttolomondo D, Gaibazzi N, Meschi T. Insights from comparison of the clinical presentation and outcomes of patients hospitalized with COVID-19 in an Italian internal medicine ward during first and third wave. *Front Med* 2023; 10: 1112728. (IF 3.9) [Original article]
7. Maggi S, **Ticinesi A**, Limongi F, Noale M, Ecartot F. The role of nutrition and the Mediterranean diet on the trajectories of cognitive decline. *Exp Gerontol* 2023; online first Jan 28. (IF 3.9) [Review]
8. Monti E, Tagliaferri S, Zampieri S, Sarto F, Sirago G, Franchi MV, **Ticinesi A**, Longobucco Y, Adorni E, Lauretani F, Von Haehling S, Marzetti E, Calvani R, Bernabei R, Cesari M, Maggio M, Narici MV. Effects of a 2-year exercise training on neuromuscular system health in older individuals with low muscle function. *J Cachexia Sarcopenia Muscle* 2023; online first Jan 28. (IF 8.9) [Original article]
9. Strasser B, **Ticinesi A**. Intestinal microbiome in normal ageing, frailty and cognition decline. *Curr Opin Clin Nutr Metab Care* 2023; 26(1): 8-16. (IF 3.1) [Review]
10. Prokopidis K, Giannois P, Kirwan R, Ispoglou T, Galli F, Witard OC, Triantafyllidis KK, Kechagias KS, Morwani-Mangani J, **Ticinesi A**, Isanejad M. Impact of probiotics on muscle mass, muscle strength and lean mass: a systematic review and meta-analysis of randomized controlled trial. *J Cachexia Sarcopenia Muscle* 2022; online first 22 Nov. (IF 8.9) [Systematic

review and meta-analysis]

11. Tana C, Cinetto F, Mantini C, Berardinello N, Tana M, Ricci F, **Ticinesi A**, Meschi T, Scarpa R, Cipollone F, Giamberardino MA, Spagnolo P. Sarcoidosis and COVID-19: at the cross-road between immunopathology and clinical manifestation. *Biomedicines* 2022; 10: 2525. (IF 4.7) [Review]
12. **Ticinesi A**, Parise A, Cerundolo N, Nouvenne A, Prati B, Chiussi G, Guerra A, Meschi T. Multimorbidity and frailty are the key characteristics of patients hospitalized with COVID-19 breakthrough infection during delta variant predominance in Italy: a retrospective study. *J Clin Med* 2022; 11: 5442. (IF 3.9) [Original article]
13. Mancabelli L, Milani C, Fontana F, Lugli GA, Tarracchini C, Viappiani A, Ciociola T, **Ticinesi A**, Nouvenne A, Meschi T, Turrone F, Ventura M. Untangling the link between the human gut microbiota composition and the severity of the symptoms of the COVID-19 infection. *Environ Microbiol* 2022; 24(12): 6453-6462. (IF 5.1) [Meta-analysis with original data]
14. **Ticinesi A**, Nouvenne A, Meschi T. The Optimal Dietary Calcium Intake for Preventing Incident and Recurrent Symptomatic Kidney Stone Disease. *Mayo Clin Proc* 2022; 97(8): 1416-1418. (IF 8.9) [Editorial]
15. Mancabelli L, Ciociola T, Lugli GA, Tarracchini C, Fontana F, Viappiani A, Turrone F, **Ticinesi A**, Meschi T, Conti S, Ventura M, Milani C. Guideline for the analysis of the microbial communities of the human upper airways. *J Oral Microbiol* 2022; 14(1): 2103282. (IF 4.5) [Original article]
16. Nouvenne A, Zanichelli I, Cerundolo N, Milanese G, Sverzellati N, Rendo M, Ridolo E, Scarlata S, Meschi T, **Ticinesi A**. Thoracic Ultrasound Strain Elastosonography as a Noninvasive Biomarker of Chronic Obstructive Pulmonary Disease-Associated Lung Injury: A Feasibility Study. *Respiration* 2022, online first Jul 28. Doi: 10.1159/000525864. (IF 3.7) [Original article]
17. **Ticinesi A**, Tuttolomondo D, Nouvenne A, Parise A, Cerundolo N, Prati B, Zanichelli I, Guerra A, Gaibazzi N, Meschi T. Co-administration of remdesivir and azithromycin may protect against intensive care unit admission in COVID-19 pneumonia requiring hospitalization: a real-life observational study. *Antibiotics* 2022; 11: 941. (IF 4.8) [Original article]
18. **Ticinesi A**, Nouvenne A, Parise A, Prati B, Meschi T. Defining SARS-CoV-2 breakthrough infection needing hospitalization in mass vaccination era: from disease-centered to patient-centered care. *Acta Biomed* 2022; 93(2): e2022182. [Review]
19. **Ticinesi A**, Mancabelli L, Carnevali L, Nouvenne A, Meschi T, Del Rio D, Ventura M, Sgoifo A, Angelino D. Interaction Between Diet and Microbiota in the Pathophysiology of Alzheimer's Disease: Focus on Polyphenols and Dietary Fibers. *J Alzheimers Dis* 2022; 86(3): 961-982. (IF 4) [Review]
20. Burtscher J, **Ticinesi A**, Millet GP, Burtscher M, Strasser B. Exercise-microbiota interactions in aging-related sarcopenia. *J Cachexia Sarcopenia Muscle* 2022; 2022; 13(2): 775-780. (IF 8.9) [Editorial]

21. Nouvenne A, **Ticinesi A**, Cerundolo N, Prati B, Parise A, Chiussi G, Frosio L, Guerra A, Brianti E, Fabi M, Meschi T. Implementing a multidisciplinary rapid geriatric observation unit for non-critical older patients referred to hospital: observational study on real-world data. *Aging Clin Exp Res* 2022; 34(3): 599-609. (IF 4) [Original article, corresponding author]
22. Tana C, Donatiello I, Caputo A, Tana M, Naccarelli T, Mantini C, Ricci F, **Ticinesi A**, Meschi T, Cipollone F, Giamberardino MA. Clinical features, histopathology and differential diagnosis of sarcoidosis. *Cells* 2022; 11: 59. (IF 6) [Review]
23. **Ticinesi A**, Nouvenne A, Cerundolo N, Prati B, Parise A, Tana C, Rendo M, Guerra A, Meschi T. Accounting for frailty and multimorbidity when interpreting high-sensitivity troponin I testing in oldest old. *J Am Geriatr Soc* 2022; 70: 549-559. (IF 6.3) [Original article]
24. Bignami E, Bellini V, Maspero G, Pifferi B, Fortunati Rossi L, **Ticinesi A**, Craca M, Meschi T, Baciarello M. COVID-19 respiratory support outside the ICU's doors. An observational study for a new operative strategy. *Acta Biomed* 2021; 92(5): e2021365. [Original article]
25. Kachroo N, Lange D, Penniston KL, Stern J, Tasian G, Bajic P, Wolfe AJ, Suryavanshi M, **Ticinesi A**, Meschi T, Monga M, Miller AW. Meta-analysis of clinical microbiome studies in urolithiasis reveal age, stone composition, and study location as the predominant factors in urolithiasis-associated microbiome composition. *mBio* 2021; 12(4): e02007-21. (IF 6.4) [Meta-analysis]
26. **Ticinesi A**, Nouvenne A, Prati B, Guida L, Parise A, Cerundolo N, Bonaguri C, Aloe R, Guerra A, Meschi T. The clinical significance of procalcitonin elevation in patients over 75 years old admitted for COVID-19 pneumonia. *Mediators Inflamm* 2021; 2021: 5593806. (IF 4.6) [Original article, corresponding author]
27. Strasser B, Wolters M, Weyh C, Krüger K, **Ticinesi A**. The effects of lifestyle and diet on gut microbiota composition, inflammation and performance in our aging society. *Nutrients* 2021; 13(6): 2045. (IF 5.9) [Review]
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Abstracts

Author or co-author of **92** abstracts in English or Italian language, published in journal supplements or congress proceedings, from 2009 up to now.

I consent to the treatment of the personal data included in this CV, in compliance with the GDPR n. 2016/679 and with the national laws of European Union members.

Parma, 9th August 2023

Dr. Andrea Ticinesi

A handwritten signature in black ink, appearing to read 'Andrea Ticinesi', written in a cursive style.