

21/12/2023, Milano

Luca Nardelli, MD, MS



EMPLOYMENT

Consultant - Department of Nephrology, Dialysis, and Kidney Transplant, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy)
August 2022 – Present

- Peritoneal Dialysis Unit
- Hemodialysis unit
- Chronic Kidney Disease Clinics
- Pre-Dialysis Clinics
- General Nephrology Clinics
- Interventional Nephrology Procedures

Consultant - Department of Nephrology and Dialysis, Ospedale Maggiore di Lodi, Lodi (Italy)
October 2023 – Present

- Chronic Kidney Disease Clinics
- General Nephrology Clinics
- Hemodialysis unit

Research Collaborator - Division of Nephrology and Hypertension, Department of Medicine, Mayo Clinic, Rochester, MN (US)
September 2022 – Present
Principal Investigator: Prof. Fernando Fervenza

Medical Writer – Eureka S.r.l, 55100 Lucca (Italy)
September 2018 – Present

Professional consultation service for producing medical reports of advisory boards organized by the most relevant pharmaceutical companies in the field of nephrology, rheumatology, dermatology, gastroenterology and hematology.

Private Tutor

September 2011 – Present

Taught pre-medical students in preparing for the National Medical Admission Test: support them to develop an efficient study method concerning Biology, Chemistry, Physics, Math, and Logical Reasoning.

TEACHING

Teacher PD Campus - Department of Nephrology, Dialysis, and Kidney Transplant, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy)

August 2022 – Present

Theoretical and Practical course concerning the management of Peritoneal Dialysis Catheter

Lessons' Index:

- Surgical Anatomy
- Semi-surgical placement of peritoneal catheter
- Surgical placement of peritoneal catheter
- Peritoneal catheter embedment
- Mini-invasive surgical techniques for peritoneal catheter infections
- Use of ultrasounds in PD catheter related infections
- Peritoneal catheter removal

Tutor - Centro Servizi Opere Educative Mons. Lorenzo Dalponte, 38121 Trento (Italy)

June 2015 – August 2018

Implemented a critical-thinking-based curriculum in Biology and Chemistry classes of pre-medical student preparing for the National Medical Admission Test.

EDUCATION

PhD, Clinical Research - Università Degli Studi di Milano, Milan (Italy)

October 2022 – Present (expected graduation September 2025)

Principal Investigator: Prof. Nicola Montano

Co-Investigator: Prof. Giuseppe Castellano

Research Fellowship - Division of Nephrology and Hypertension, Department of Medicine, Mayo Clinic, Rochester, MN (US)

January 2022 – July 2022

Principal Investigator: Prof. Fernando Fervenza

- Participated in the daily activities of the glomerulonephritis clinics. Acquired the competence regarding the diagnosis and the induction/maintenance therapy management of glomerulopathies in various clinical scenarios.
- Participated in the activities of renal histopathology. Acquired grounded basis of diagnostic pathology regarding medical kidney diseases (light microscopy, immunofluorescence, and electron microscopy). Learned to translate this knowledge in therapeutical choices.
- Involved in several research projects in the field of glomerulopathies and dialysis.

Residency in Nephrology, Magna cum Laude - Department of Nephrology, Dialysis, and Kidney Transplant, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Università Degli Studi di Milano, Milan (Italy)

November 2018 – November 2022

Thesis: *Incremental peritoneal dialysis: less is more*; Prof. Giuseppe Castellano

- Participated in the activities of the inpatient internal medicine ward – 3 months
- Participated in the activities of the CKD/pre-dialysis clinics – 3 months
- Participated in the activities of the inpatient nephrology ward – 9 months
- Participated in the activities of the hemodialysis unit – 6 months
- Participated in the activities of the peritoneal dialysis unit – 6 months
- Participated in the activities of the medical kidney transplant unit – 6 months
- Participated in the activities of the surgical kidney transplant unit – 6 months
- Interventional Nephrology procedures:
 - Short-term HD central venous catheter insertion: 183 procedures (1°operator = 71 – 2°operator = 112)
 - Long-term HD central venous catheter insertion: 161 procedures (1°operator = 32 – 2°operator = 129)
 - Long-term HD central venous catheter removal: 64 procedures (1°operator = 22 – 2°operator = 42)

-Tenckhoff catheter insertion:	132 procedures (1°operator = 0 – 2°operator = 132)
-Tenckhoff catheter removal:	56 procedures (1°operator = 0 – 2°operator = 56)
-Cuff shaving/cuff removal:	18 procedures (1°operator = 16 – 2°operator = 2)

Master's – Clinical Echography and Applications to Diagnostic and Interventional Nephrology, Scuola Superiore Sant'anna, Pisa (Italy)

October 2017 – December 2018

Thesis: *High resolution sonography evaluation of pre-existing vascular pathologies before arterio-venous fistula creation for hemodialysis*; Prof. Mario Meola

- Acquired the competence to perform autonomously:
 - Ultrasonographic evaluation of the urogenital apparatus
 - Ecocolor Doppler evaluation of the renal arteries and veins
 - Ecocolor Doppler evaluation of the main vessels of the neck (carotids arteries and jugular veins)
 - Ecocolor Doppler evaluation of the superior and inferior limbs
- Ultrasound guided puncture of the jugular and femoral veins
- Ultrasound guided puncture of the kidney

Diploma – Echography and color-Doppler in Nephrology, Società Italiana di Ultrasonologia in Medicina e Biologia (SIUMB)

October 2017 – December 2018

M.D., Magna cum Laude - Università Degli Studi di Milano, Milan (Italy)

September 2011 – July 2017

Thesis: *Focal and Segmental Glomerulosclerosis: Relapsing and Treatment after Kidney Transplant*; Prof. Piergiorgio Messa

Medical Student Internship - Department of Nephrology, Dialysis and Kidney Transplant, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy)

April 2014 – September 2017

- Participated in the activities of the inpatient ward, specialized kidney disease clinics, kidney transplant program, dialysis units, hemodynamic room, and the operating room
- Acquired the clinical basis of diagnostics and therapies regarding kidney disease
- Learned and performed catheter placement, removal, and substitution procedures
- Acquired the surgical principles for creation and maintenance of AVF and AVG and the placement of Tenckhoff catheter through semi-surgical or surgical techniques

Clinical Electives - Università Degli Studi di Milano, Milan (Italy)

September 2011 – July 2017

- Clinical Electrocardiography (8 credits)
- Echo-color Doppler in Internal Medicine (8 credits)
- Principles of Critical Therapy (4 credits)
- Clinical Pneumology (4 credits)

Scientific High School Degree – Istituto Sacro Cuore, Milan (Italy)

September 2006 – July 2011

Grade: 100/100

Experience Abroad: London, (UK) – 12 months

CERTIFICATION AND LICENSURE

License in Echography in Diagnostic and Interventional Nephrology

Scuola Superiore Sant'Anna, *December 2018*

License in Echography and color-Doppler in Nephrology

Società Italiana di Ultrasonologia in Medicina e Biologia (SIUMB), *December 2018*

Italian Medical License

Università Degli Studi di Milano, February 2018

Certificate in Advanced English (CAE) – Level C1

University of Cambridge ESOL examinations, June 2020

PUBLICATIONS

Nardelli L, Scalamogna A, Cicero E, Tripodi F, Vettoretti S, Alfieri C, Castellano G. *Relationship between number of daily exchanges at CAPD start with clinical outcomes*. Perit Dial Int 2023 Dec; In Press

Molinari P, Regalia A, Leoni A, Campise M, Cresseri D, Cicero E, Vettoretti S, **Nardelli L**, Brigatti E, Favi E, Messa P, Castellano G, Alfieri C. *Impact of hyperparathyroidism and its different subtypes on long term graft outcome: a single center Transplant Center cohort study*. Front med. 2023 Aug 10. Online ahead of print.

Nardelli L, Scalamogna A, Moscardino S, Tripodi F, Vettoretti S, Alfieri C, Castellano G. *Simultaneous removal and replacement of the peritoneal catheter in CAPD patient with refractory peritonitis sustained by P. aeruginosa: A case-report*. J Vasc Access. 2023 May 30:11297298231178061. doi: 10.1177/11297298231178061. Online ahead of print.

Nardelli L, Scalamogna A, Castellano G. *Utility of ultrasonographic examination in peritoneal dialysis catheter related infections: a clinical approach*. J Nephrol. 2023 Sep;36 (7): 1751-1761.doi: 10.1007/s40620-023-01589-w

Zubidat D, Madden B, Kudose S, Nasr S, **Nardelli L**, Fervenza F, Sethi S. *Heterogeneity of Target Antigens in Sarcoidosis-Associated Membranous Nephropathy*. Kidney Int Rep. 2023 Apr 5;8(6):1213-1219. doi: 10.1016/j.ekir.2023.03.019.

Zubidat D, Hanna C, Randhawa AK, Smith BH, Chedid M, Kaidbay DN, **Nardelli L**, Mkhaimer YG, Neal RM, Madsen CD, Senum SR, Gregory AV, Kline TL, Zoghby ZM, Broski SM, Issa NS, Harris PC, Torres VE, Sfeir JG, Chebib FT. *Bone health in autosomal dominant polycystic kidney disease (ADPKD) patients after kidney transplantation*. Bone Rep. 2023 Jan 11;18:101655. doi: 10.1016/j.bonr.2023.101655.

Casal Moura M, Specks U, Tehranian S, Sethi S, Zubidat D, **Nardelli L**, Dos Santos F, Sousa C, León-Róman J, Bobart S, Greene E, Zand L, Fervenza F. *Maintenance of Remission and Risk of Relapse in Myeloperoxidase Positive Antineutrophil Cytoplasmic Antibody-Associated Vasculitis with Kidney Involvement*. Clin J Am Soc Nephrol. 2023 Jan 1;18(1):47-59. doi: 10.2215/CJN.06460622.

Scalamogna A, **Nardelli L**, Castellano G. *The use of mini-invasive surgical techniques to treat refractory tunnel infections in peritoneal dialysis patients: a clinical approach*. J Nephrol. 2023 Sep;36(7):1743-1749. doi: 10.1007/s40620-022-01479-7.

Fabrizi F, Tripodi F, Cerutti R, **Nardelli L**, Alfieri C, Donato M, Castellano G. *Recent information on pan-genotypic direct acting antiviral agents for HCV in chronic kidney disease*. Viruses 2022 Nov. Online ahead of print.

Nardelli L, Scalamogna A, Cicero E, Castellano G. *Incremental peritoneal dialysis allows to reduce the time spent for dialysis, glucose exposure, economic cost, plastic waste, and water consumption*. J Nephrol 2023 Mar;36(2):263-273. doi: 10.1007/s40620-022-01433-7. Online ahead of print.

Scalamogna A, **Nardelli L**, Zubidat D, Castellano G. *Simultaneous replacement and removal of the peritoneal catheter is effective in patients with refractory tunnel infections sustained by S. Aureus*. Int Urol Nephrol. 2023 Jan;55(1):151-155. doi: 10.1007/s11255-022-03288-0. Epub 2022 Jul 11.

Scalamogna A, **Nardelli L**, Cicero E, Castellano G. *Analysis of mechanical complications in urgent-start peritoneal dialysis*. J Nephrol 2022 Jun;35(5):1489-149; https://doi.org/10.1007/s40620-022-01294-0.

Nardelli L, Scalamogna A, Messa P, Gallieni M, Cacciola R, Tripodi F, Castellano G, Favi E. *Peritoneal dialysis for potential kidney transplant recipients: Pride or Prejudice? Medicina* 2022, 58(2), 214; doi.org/10.3390/medicina58020214.

Nardelli L, Scalamogna A, Gallieni M, Favi E, Messa P, Castellano G. *Is peritoneal dialysis the first-choice renal replacement therapy for patients waiting for a kidney transplant?* G Ital Nefrol. 2021; Anno 38 Volume 6 n° 3.

Nardelli L, Scalamogna A, Pisati S, Gallieni M, Messa P. *Urgent-start PD: a viable approach.* G Ital Nefrol. 2021 G Ital Nefrol. 2021; Anno 38 Volume 2 n° 7.

Scalamogna A, **Nardelli L**, Cosa F, Messa P. *Mini-invasive surgical techniques for the peritoneal catheter rescue in refractory tunnel infections.* G Ital Nefrol. 2021; Anno 38 Volume 1 n° 3.

Nardelli L, Scalamogna A, Messa P. *The impact of the superficial cuff position on the exit site and tunnel infections in CAPD patients.* J Nephrol. 2021 Apr;34(2):493-501. doi: 10.1007/s40620-020-00788-z.

Nardelli L, Scalamogna A, Zeiler M, Messa P. *Use of ultrasounds in PD catheter related infections: indications and clinical implications.* G Ital Nefrol. 2020 Aug 3;37(Suppl 75):2020-S75.

Scalamogna A, **Nardelli L**, Messa P. *Double purse-string craft around the inner cuff: a new technique for an immediate start of CAPD.* G Ital Nefrol 2020; Anno 37 Volume 1 n° 7.

Scalamogna A, **Nardelli L**, Zanoni F, Messa P. *Double purse-string around the inner cuff of the peritoneal catheter: a novel technique for an immediate initiation of continuous peritoneal dialysis.* Int J Artif Organs. 2020 Jun;43(6):365-371. doi: 10.1177/0391398819891735.

Fabrizi F, Cerutti R, **Nardelli L**, Tripodi F, Messa P. *HBV vaccination with Fendrix is effective and safe in pre-dialysis CKD population.* Clin Res Hepatol Gastroenterol. 2019 Jul 18. pii: S2210- 7401(19)30135-4. doi: 10.1016/j.clinre.2019.06.010.

PUBLISHED ABSTRACTS AND PRESENTATIONS

Oral Presentations

Nardelli L, Scalamogna A, Cicero E, Tripodi F, Alfieri C, Vettoretti S, Castellano G. *Incremental peritoneal dialysis: two exchanges start decreases the risk of peritonitis.* 21° Convegno del Gruppo di Progetto di Dialisi Peritoneale della Società Italiana di Nefrologia, San Benedetto del Tronto (Italy), May 2023.

Nardelli L, *Quale catetere usare.* 21° Convegno del Gruppo di Progetto di Dialisi Peritoneale della Società Italiana di Nefrologia, San Benedetto del Tronto (Italy), May 2023.

Nardelli L, Scalamogna A, Cicero E, Castellano G. *Incremental peritoneal dialysis: quando meno significa di più.* 63° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2022.

Nardelli L, Scalamogna A., Cicero E., Tripodi F., Castellano G. *Analysis of mechanical complications in urgent-start peritoneal dialysis.* 59th ERA-EDTA Congress, Paris (France), May 2022.

Nardelli L, Scalamogna A, Messa P. *Urgent-start Peritoneal Dialysis: l'utopia di ieri può diventare la realtà di oggi?* 62° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2021.

Nardelli L. WEBINAR FAD. *Implementare un programma di dialisi peritoneale: il catetere può essere un problema? Tecnica medica o chirurgica per l'impianto del catetere?* May 2021, (Virtual meeting).

Nardelli L, Scalamogna A, Porata G, Messa P. *Double purse-string technique: a new way to start CAPD immediately minimising mechanical complications.* 14th European Peritoneal Dialysis Meeting, Ljubljana (Slovenia), May 2019.

Poster Presentations

Nardelli L, Scalamogna A, Tripodi F, Castellano G. *The impact of daily exchanges number at CAPD start on major clinical outcomes.* 16th European Peritoneal Dialysis Meeting, Bruges (Belgium), November 2023.

Nardelli L, Scalamogna A, Tripodi F, Castellano G. *Exit-site relocation by external splicing and cuff removal after ultrasonography evaluation: an effective rescue treatment for refractory P. aeruginosa and S. aureus tunnel infection with superficial cuff involvement*. 16th European Peritoneal Dialysis Meeting, Bruges (Belgium), November 2023.

Nardelli L, Scalamogna A, Cicero, De Liso C, Tripodi F, Castellano G. *Impatto del numero iniziale degli scambi peritoneali nei pazienti trattati mediante CAPD: studio monocentrico a lungo termine*. 64° Congresso Nazionale della Società Italiana di Nefrologia, Torino (Italy), October 2023.

Nardelli L, Scalamogna A, Moscardino S, De Liso C, Tripodi F, Castellano G. *Simultaneous removal and replacement of the peritoneal catheter in PD patient with refractory peritonitis sustained by p. aeruginosa: a novel approach*. 64° Congresso Nazionale della Società Italiana di Nefrologia, Torino (Italy), October 2023.

Nardelli L, Dalia Zubidat, Benjamin J. Madden, Satoru Kudose, Vivian C. Negron, Louann Gross, Samih H. Nasr, Fernando C. Fervenza, Sanjeev Sethi. *Novel target antigens in Sarcoidosis-associated Membranous Nephropathy*. American Society of Nephrology Kidney Week 2022. Orlando, Florida (USA), November 2022.

Dalia Zubidat, Marta Casal Moura, Marc Patricio Liebana, Maria Jose Soler, Fernanda G. dos Santos, **Luca Nardelli**, Juan Leon-Roman, Ciria Sousa, Sanjeev Sethi, Ulrich Specks, Fernando C. Fervenza. *Low chronicity score at kidney biopsy predicts renal recovery from dialysis in patients with ANCA-associated vasculitis with glomerulonephritis (AAV-GN)*. American Society of Nephrology Kidney Week. Orlando, Florida (USA), November 2022.

Nardelli L., Scalamogna A., Cicero E., Castellano G. *Incremental peritoneal dialysis: a worthwhile strategy for patient, healthcare, and environment*. ISPD Congress 2022. Singapore (Republic of Singapore), August 2022.

Casal Moura M, Specks U, Tehranian S, Sethi S, Zubidat D, **Nardelli L**, dos Santos F, Zand L, Bobart S, Greene E, Fervenza F. *Maintenance of Remission and Risk of Relapse in Myeloperoxidase Positive Antineutrophil Cytoplasmic Antibody-Associated Vasculitis with Renal Involvement*. International Vasculitis and Anca Workshop. Dublin, (Ireland) April 2022.

Nardelli L, Scalamogna A, Tangredi M, Messa P. *Impatto della posizione della cuffia superficiale sulle infezioni dell'emergenza e del tunnel sottocutaneo nei pazienti in dialisi peritoneale*. 20° Convegno del Gruppo di Progetto di Dialisi Peritoneale della Società Italiana di Nefrologia, Rome (Italy), September 2021.

Nardelli L, Scalamogna A, Messa P. *Exit-site and tunnel infections in CAPD patients: what is new?* 15th European Peritoneal Dialysis Meeting, Virtual Congress, February 2021.

Nardelli L, Scalamogna A, Messa P. *La Peritonite è ancora la principale causa di Drop-out in Dialisi peritoneale?* 61° Congresso Nazionale della Società Italiana di Nefrologia, Riva del Garda (Italy), October 2020.

Nardelli L, Scalamogna A, Porata G, Messa P. *Percutaneous versus surgical catheter insertion using double purse string technique in CAPD patients: clinical outcomes*. Nephrology Dialysis Transplantation, Volume 34, Issue Supplement 1, Ju 2019, gzf103.SP523://doi.org/10.1093/ndt/gfz103.SP5. 56th ERA-EDTA Congress, Budapest (Hungary), June 2019.

Nardelli L, Scalamogna A, Porata G, Messa P. *È ancora necessario il Break-in in dialisi peritoneale?* 60° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2019.

Nardelli L, Scalamogna A, Messa P. *Double purse string around the inner cuff allows immediate initiation of dialysis in CAPD patients*. Nephrology Dialysis Transplantation, Volume 33, Issue suppl_1, May 2018, Page i200, <https://doi.org/10.1093/ndt/gfy104.FP484>. 55th ERA-EDTA Congress, Copenhagen (Denmark), May 2018.

Nardelli L, Scalamogna A, Messa P. *La doppia borsa di tabacco intorno alla cuffia profonda consente l'inizio immediato della terapia dialitica nei pazienti CAPD*. 59° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2018.

AWARDS AND HONORS

-**Best Oral Communication** of the year 2022, Scuola di Specializzazione in Nefrologia dell'Università degli studi di Milano, (Italy), December 2022.

-**Best Oral Communication** presented at 63° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2022.

-**Best Oral Communication** of the year 2021, Scuola di Specializzazione in Nefrologia dell'Università degli studi di Milano, (Italy), December 2021.

-**Best Oral Communication** presented at 62° Congresso Nazionale della Società Italiana di Nefrologia, Rimini (Italy), October 2021.

- **Giuseppe Enia-Young Investigator Award** XX Convegno del Gruppo di Progetto di Dialisi Peritoneale, Rome (Italy), September 2021.

SCIENTIFIC SOCIETIES

Board of Young Nephrologists' Platform (YNP) - ERA – National Representative (Italy)
September 2023 – Present

- YNP is an essential part of the community of European Renal association (ERA) members. It aims to engage a young community of members in several initiatives for the purpose of empowering the new generations of nephrologists.

European Renal Association (ERA) – Active member of the Association
September 2022 – Present

- Involved in several research projects in the field of Nephrology, Dialysis and Kidney Transplant

European dialysis Working Group (EuDial) - ERA – Active member of the working group
September 2022 – Present

- Involved in several research projects in the field of Dialysis

Italian Peritoneal Dialysis Project Group – Active member of the Study Group
September 2020 – Present

- Involved in several research projects in the field of Peritoneal Dialysis

Italian Society of Nephrology (SIN) – Active member of the Society
November 2018 – Present

- Involved in several research projects in the field of Nephrology, Dialysis and Kidney Transplant

EDITORIAL BOARDS

Giornale Italiano di Nefrologia (GIN) – Member of the Editorial Board
October 2022 – Present

- Official Journal of the Italian Society of Nephrology

PEER REVIEW ACTIVITIES

2023 – Present	BMC Nephrology
2022 – Present	Expert Review of Medical Devices
2022 – Present	Frontiers in Surgery
2022 – Present	Seminars in Dialysis
2021 – Present	Renal Failure
2020 – Present	Journal of Vascular Access
2020 – Present	Scientific Reports
2020 – Present	Nephrology
2019 – Present	Peritoneal Dialysis International
2019 – Present	The International Journal of Artificial Organs
2019 – Present	BMC Gastroenterology