

Annalisa Noce, MD, PhD

Personal Information

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Current Position

Full-time Researcher at Hypertension and Nephrology Unit, Department of Systems Medicine, University "Tor Vergata", Rome.

Education and Training

2005: Graduation in Medicine and Surgery, 110/110 cum laude at University "Tor Vergata", Rome. Thesis "Hyperhomocysteinemia in uremic patients: treatment with folic acid and vitamin B12".

2010: Board Certification in Nephrology, 50/50 cum laude at University "Tor Vergata" Rome. Thesis "e-GST activity in uremic patients and correlation with endothelial damage indices".

2014: PhD in Physiology of bodily districts cum laude at University "Tor Vergata" Rome. Thesis "Effects of Low-Protein Diet on Uremic Patients Health".

Main Clinical and research expertise

- Oxidative stress in uremic patients.
- Cardiovascular risk factors in End-Stage-Renal Disease.
- Nutritional therapy in nephropatic patients.
- Mediterranean Diet in NTCD.
- Secondary Hypertension.
- Biomarkers in Kidney transplantation.

Major Publications

Effects of folic acid before And after vitamin B12 on plasma homocysteine concentrations in hemodialysis patients with known MTHFR genotypes. A. Pastore, S. De Angelis, S. Casciani, R.Ruggia, G. Di Giovanberardino, A. Noce, G. Splendiani, C. Cortese, G. Federici, M. Dessì. Clinical chemistry 2006; 52, 1 (145-148).

Hyperhomocysteinemia and alternate vitamin supplementation. S. De Angelis, A. Noce, M. Dessì, A. Pastore, F. Scaccia, M. Trombetta, C. Tozzo, G. Splendiani. *G Ital Nefrol* 2007 Gennaio-Febbraio 2007; 24(1):51-55.

Is rasburicase an effective alternative to allopurinol for management of hyperuricemia in renal failure patients? A double blind-randomized study. De Angelis S, Noce A, Di Renzo L, Cianci R, Naticchia A, Giarrizzo GF, Giordano F, Tozzo C, Splendiani G, De Lorenzo A. *Eur Rev Med Pharmacol Sci*. 2007 May-Jun;11(3):179-84.

Anti-inflammatory effects of combined treatment with acetyl salicylic acid and atorvastatin in haemodialysis patients affected by Normal Weight Obese syndrome. L. Di Renzo, A. Noce, S. De Angelis, N. Miani, N. Di Daniele, C. Tozzo, A. De Lorenzo. *Pharmacol Res* 2008 Feb; 57(2):93-9.

Aggressive primary prevention of major adverse cardiac events in hemodialysis patients: results of three year follow-up. S. Manca di Villahermosa, F. Summaria, M Tedesco, M Lonzi, G. Colarieti, A. Favarò, G. Chamoun, A. Noce, FR Della Rovere; M De Francesco, M Taccone-Gallucci. *Cardionephrology* 10 2008; 365-369.

Effects of high-dose calcium levofolate on some markers of chronic inflammation in hemodialysis patients with occlusive vascular disease. M Tedesco, S Manca di Villahermosa, M Lonzi, G Di Giandomenico, G Colarieti, A Favarò, G Chamoun, A Noce, FR Della Rovere, M De Francesco, M Taccone-Gallucci. *Cardionephrology* 10 2008; 371-374.

Treatment of hyperhomocysteinemia in haemodialysis patients at high cardiovascular risk. S. Manca di Villahermosa, M.Tedesco, M. Lonzi, F.R. Della Rovere, M. De Francesco, A.Noce et al. *La Clinica Terapeutica* 2009; 160(1):1-15.

The usefulness of the prognostic inflammatory and nutritional index (PINI) in a haemodialysis population. M Dessì, A. Noce, A. Agnoli, S De Angelis, L. Fuiano, C. Tozzo, M. Taccone-Gallucci, G. Fuiano, G. Federici. *NMCD* 2009; 19(11):811-5

Renal resistive index and long-term outcome in chronic nephropathies. C. Parolini, A. Noce, E. Staffolani, G.F. Giarrizzo, S. Costanzi, G. Splendiani. *Radiology* 2009; 252(3):888-96

Chronic treatment with statins increase the availability of selenium in the antioxidant defence systems of hemodialysis patients. M. Taccone-Gallucci, A. Noce, P. Bertucci, C. Fabbri, S. Manca-di-Villahermosa, F. R. Della-Rovere, M. De Francesco, M. Lonzi, G. Federici, F. Scaccia, M. Dessì. *J Trace Elem Med Biol* 2010; 24(1):27-30

The effects of Italian Mediterranean organic diet (IMOD) on health status. A. De Lorenzo, A. Noce, M. Bigioni, V. Calabrese, D.G. Della Rocca, N. Di Daniele, C. Tozzo, L. Di Renzo. *Curr Pharm Des* 2010; 16(7):814-24.

Iron-chelating therapy for transfusional iron overload. Taccone-Gallucci M, Manca-di-Villahermosa S, Noce A. *N Engl J Med*. 2011 Apr 14; 364(15): 1476-7;

Prospective assessment of body weight and body composition changes in patients with psoriasis receiving anti-TNF- α treatment. Renzo LD, Saraceno R, Schipani C, Rizzo M, Bianchi A, Noce A, Esposito M, Tiberti S, Chimenti S, DE Lorenzo A. *Dermatol Ther*. 2011 Jul;24(4):446-51.

Erythrocyte glutathione transferase: a potential new biomarker in chronic kidney diseases which correlates with plasma homocysteine. M. Dessì, A. Noce, K. F. Dawood, F. Galli, M. Taccone-Gallucci, R. Fabrini, A. Bocedi, R. Massoud, G. Fucci, A Pastore, S. Manca di Villahermosa, G. Federici, G. Ricci. *Amino Acids*. 2012 Jul;43(1):347-54.

Erythrocyte glutathione transferase: a new biomarker for hemodialysis adequacy, overcoming the Kt/V(urea) dogma? Noce A, Ferrannini M, Fabrini R, Bocedi A, Dessì M, Galli F, Federici G, Palumbo R, Di Daniele N, Ricci G. *Cell Death Dis*. 2012 Aug 23;3:e377.

Bilateral native kidney neoplasia detected by ultrasound in functioning renal allograft recipient. Noce A, Iaria G, Durante O, Sforza D, Canale MP, Di Villahermosa SM, Castagnola V, Tisone G, Di Daniele N. *Arch Ital Urol Androl*. 2012 Dec;84(4):253-5.

Refractory hypertension and rapidly progressive renal failure due to bilateral renal artery stenosis: case report. Noce A, Canale MP, Durante O, di Villahermosa SM, Rovella V, Fiorini F, Parolini C, Di Daniele N. *Arch Ital Urol Androl*. 2012 Dec;84(4):249-52.

Nephrotic syndrome and abdominal arterial bruits in a young hypertensive patient: a case report. Canale MP, Rovella V, Staffolani E, Miani N, Borzacchi MS, Giannakakis K, Noce A, Di Daniele N. *Arch Ital Urol Androl*. 2012 Dec;84(4):238-41.

Role of ultrasound in management of long-term complications after to radical cystectomy and orthotopic neobladder construction: case report. Mudoni A, Caccetta F, Caroppo M, Musio F, Accogli A, Noce A, Ferramosca E, Nuzzo V. *Arch Ital Urol Androl*. 2012 Dec;84(4):234-7.

Influence of continuous erythropoietin receptor activator on markers of cardiovascular risk in chronic kidney disease patients. Noce A, Dessì M, Durante O, Manca di Villahermosa S, Canale MP, Di Daniele N. *Int J Cardiol*. 2013 Sep 10;167(6):3070-2. doi: 10.1016/j.ijcard.2012.11.073.

Index resistance in renal ultrasound: what is the clinical significance? Fiorini F, Granata A, Noce A, Durante O, Insalaco M, Daniele N. *G Ital Nefrol*. 2013 Mar-Apr;30(2).

Drastic Reduction Of Piperacillin-Tazobactam Concentrations In An In-Vitro Model Of Continuous Venovenous Hemofiltration: Proposal Of An Innovative Modality Of Administration To Maintain Them At Constant Concentration. Ferrannini M, Niscola P, Falcone C, Noce A, Pastore A, Di Giovamberardino G, Scaramucci L, Di Daniele N, Palumbo R. *Cardiovasc Hematol Agents Med Chem*. 2013 Sep;11(3):187-93

Atherosclerosis, dyslipidemia, and inflammation: the significant role of polyunsaturated Fatty acids. Dessì M, Noce A, Bertucci P, Manca di Villahermosa S, Zenobi R, Castagnola V, Addressi E, Di Daniele N. *ISRN Inflamm*. 2013 May 12;2013:191823

Obesity-related metabolic syndrome: mechanisms of sympathetic overactivity. Canale MP, Manca di Villahermosa S, Martino G, Rovella V, Noce A, De Lorenzo A, Di Daniele N. *Int J Endocrinol*. 2013;2013:865965. Epub 2013 Oct 31. Review.

Safety Food in Celiac Disease Patients: A Systematic Review. Dessì M, Noce A, Vergovich S, Noce G, Di Daniele N. *Food and Nutrition Sciences*, 2013, 4, 55-74.

Erythrocyte glutathione transferase activity: a possible early biomarker for blood toxicity in uremic diabetic patients. Noce A, Fabrini R, Dessì M, Bocedi A, Santini S, Rovella V, Pastore A, Tesauro M, Bernardini S, Di Daniele N, Ricci G. *Acta Diabetol*. 2014 Apr; 51(2): 219-224.

Plasma and erythrocyte membrane phospholipids and fatty acids in Italian general population and hemodialysis patients. Dessì M, Noce A, Bertucci P, Noce G, Rizza S, De Stefano A, Manca di Villahermosa S, Bernardini S, De Lorenzo A, Di Daniele N. *Lipids Health Dis*. 2014 Mar 21;13:54.

Effects of Italian Mediterranean organic diet vs. low-protein diet in nephropathic patients according to MTHFR genotypes. Di Daniele N, Di Renzo L, Noce A, Iacopino L, Ferraro PM, Rizzo M, Sarlo F, Domino E, De Lorenzo A. *J Nephrol*. 2014 Oct;27(5):529-36.

Gut microbioma population: an indicator really sensible to any change in age, diet, metabolic syndrome, and life-style. Noce A, Tarantino A, Tsague Djoutsop C, Vasili E, De Lorenzo A, Di Daniele N. *Mediators Inflamm*. 2014;2014:901308.

Homocysteine, cysteine, folate and vitamin B12 status in type 2 diabetic patients with chronic kidney disease. Pastore A, Noce A, Di Giovamberardino G, De Stefano A, Callà C, Zenobi R, Dessì M, Di Daniele N. *J Nephrol*. 2015; 28(5): 571-6.

Erythrocyte glutathione transferase in uremic diabetic patients: additional data. Noce A, Fabrini R, Bocedi A, Di Daniele N. *Acta Diabetol.* 2015; 52(4): 813-5.

Influence of dialysis techniques and alternate vitamin supplementation on homocysteine levels in patients with known MTHFR genotypes. Dessì M, Di Giovamberardino G, Pieri M, Noce A, Zenobi R, Di Daniele N, Pastore A. *Clin Exp Nephrol.* 2015 Feb;19(1): 140-45.

The possible role of glutathione-S-transferase activity in diabetic nephropathy. Tesauro M, Nisticò S, Noce A, Tarantino A, Marrone G, Costa A, Rovella V, Di Cola G, Campia U, Lauro D, Cardillo C, Di Daniele N. *Int J Immunopathol Pharmacol.* 2015 Mar;28(1):129-33.

Coronary artery calcifications predict long term cardiovascular events in non diabetic Caucasian hemodialysis patients. Noce A, Canale MP, Capria A, Rovella V, Tesauro M, Splendiani G, Annicchiarico-Petruzzelli M, Manzuoli M, Simonetti G, Di Daniele N. *Aging (Albany NY).* 2015 Apr;7(4):269-79.

Is low-protein diet a possible risk factor of malnutrition in chronic kidney disease patients? Noce A, Vidiri MF, Marrone G, Moriconi E, Bocedi A, Capria A, Rovella V, Ricci G, De Lorenzo A, Di Daniele N. *Cell Death Discov.* 2016 May 9;2:16026.

Erythrocyte glutathione transferase: a general probe for chemical contaminations in mammals. Bocedi A, Fabrini R, Lai O, Alfieri L, Roncoroni C, Noce A, Pedersen JZ, Ricci G. *Cell Death Discov.* 2016 May 23;2:16029.

Impact of Mediterranean diet on metabolic syndrome, cancer and longevity. Di Daniele N, Noce A, Vidiri MF, Moriconi E, Marrone G, Annicchiarico-Petruzzelli M, D'Urso G, Tesauro M, Rovella V, De Lorenzo A. *Oncotarget.* 2016 Nov 24. doi: 10.18632/oncotarget.13553.

Chapters in books

“La dialisi tecnica e clinica” C.U. Casciani, V. Cervelli, S. De Angelis, G. Splendiani Società editrice universo: Chapter V Principi di diagnostica nell’insufficienza renale- Il contributo dello studio ecografico e dell’ecocolordoppler . A Noce, S. De Angelis, C. Parolini.

“La dialisi tecnica e clinica” C.U. Casciani, V. Cervelli, S. De Angelis, G. Splendiani. Società editrice universo: Chapter VI Aspetti clinici peculiari dell’ IRC-Malattia renale cistica acquisita (ACKD). S. De Angelis, A. Noce.

Tratto da “La dialisi tecnica e clinica” C.U. Casciani, V. Cervelli, S. De Angelis, G. Splendiani . Società editrice universo: Chapter VI Aspetti clinici peculiari dell’ IRC- Neuropatia autonoma nell’uremia cronica. A. Noce, O. Durante.

Tratto da “La dialisi tecnica e clinica” C.U. Casciani, V. Cervelli, S. De Angelis, G. Splendiani . Società editrice universo. Chapter VIII. Alterazioni metaboliche ed endocrine- Alterazioni dell’equilibrio acido-base. A. Noce, F. Apruzzese, E. Bottari.

“La dialisi tecnica e clinica” C.U. Casciani, V. Cervelli, S. De Angelis, G. Splendiani .Società editrice universo. Chapter VII. Alterazioni metaboliche ed endocrine- Iperomocisteinemia nei pazienti uremici A. Noce, S. De Angelis.

Rene: patologia cistica in ecografia clinica. Di C Schiavone, M Romano, Chapter 17. Rene, Patologia Cistica. F Fiorini, A Noce, O Durante, A D’Amelio, A Granata.

Homocysteine Biosynthesis and Health Implications. Editor KS Mc Cully Chapter 5 Homocysteine and Uremia. Noce A, Dessì M, Addressi E, Di Daniele N.

Memberships

Italian Society of Nephrology (SIN)

European Society of Artificial Organs (ESAO)