

CURRICULUM VITAE ET STUDIORUM

Dr. Massimo Iafrate

PLACE AND DATE OF BIRTH: Roma, June 28, 1971

CITIZENSHIP: Italian

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Education

1989 High School Diploma, 60/60 at Liceo Classico " Giulio Cesare", Rome, Italy.

1995 Medical Doctor at the University La Sapienza of Rome (summa cum laude).

2000 Speciality in Urology at the University of Padua (summa cum laude).

2008 Master in Andrology at the University of Padua.

2009 Master in Surgical Andrology and Gender Dysphoria

Academic and Istituzional commitments

2001-present Associate Professor of Urology, University of Padua.

2003- present Professor of Post -graduated School of Urology, University of Padua

2009 – present High speciality in andrology at the Padua General Hospital, Padua, Italy

2016 – present Scientific Coordinator of "Triveneta Section" of Italian Society of Andrology

Research Experience

2001-2007	Immunological response modulation in prostate cancer, Venetian Institute of Molecular Medicine, Padua, Italy.
2009-present	Quality of life in patients with urinary stoma or continent urinary diversion.
2006-present	Male infertility due to Klinefelter disease and varicocele
20014-present	MicroRNA's expression in prostate and bladder cancer

Memberships to Scientific Society

2001-present	Active member of European Association of Urology (EAU), Italian Society of Urology (SIU) and of Italian Society of Andrology (SIA).
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Foreign languages

English (well written and fluently spoken) and German (intermediate level).

Padua 16.07.2018

PUBBLICAZIONI INDICIZZATE IN PUBMED DEL DR. M. IAFRATE

1: Cerruto MA, D'Elia C, Siracusano S, Saleh O, Gacci M, Cacciamani G, De Marco V, Porcaro AB, Balzarro M, Niero M, Lonardi C, Iafrate M, Bassi P, Imbimbo C, Racioppi M, Talamini R, Ciciliato S, Serni S, Carini M, Verze P, Artibani W. Health-Related Quality of Life after Radical Cystectomy for Bladder Cancer in Elderly Patients with Ileal Orthotopic Neobladder or Ileal Conduit: Results from a Multicentre Cross-Sectional Study Using Validated Questionnaires. *Urol Int*. 2018;100(3):346-352. doi: 10.1159/000487644. Epub 2018 Mar 7. PubMed PMID: 29514144.

2: Garolla A, Selice R, Menegazzo M, Valente U, Zattoni F, Iafrate M, Prayer-Galetti T, Gardiman MP, Ferlin A, Di Nisio A, Foresta C. Novel insights on testicular volume and testosterone replacement therapy in Klinefelter patients undergoing testicular sperm extraction. A retrospective clinical study. *Clin Endocrinol (Oxf)*. 2018 May;88(5):711-718. doi: 10.1111/cen.13572. Epub 2018 Mar 12. PubMed PMID: 29446828.

3: Siracusano S, D'Elia C, Cerruto MA, Saleh O, Serni S, Gacci M, Ciciliato S, Simonato A, Porcaro A, DE Marco V, Talamini R, Toffoli L, Visalli F, Niero M, Lonardi C, Imbimbo C, Verze P, Mirone V, Racioppi M, Iafrate M, Cacciamani G, DE Marchi D, Bassi P, Artibani W. Quality of Life in Patients with Bladder Cancer Undergoing Ileal Conduit: A Comparison of Women Versus Men. *In Vivo*. 2018 Jan-Feb;32(1):139-143. PubMed PMID: 29275311; PubMed Central PMCID: PMC5892632.

4: Cerruto MA, D'Elia C, Siracusano S, Porcaro AB, Cacciamani G, De Marchi D, Niero M, Lonardi C, Iafrate M, Bassi P, Belgrano E, Imbimbo C, Racioppi M, Talamini R, Ciciliato S, Toffoli L, Rizzo M, Visalli F, Verze P, Artibani W. Is Health-Related Quality of Life after Radical Cystectomy Using Validated Questionnaires Really Better in Patients with Ileal Orthotopic Neobladder Compared to Ileal Conduit: A Meta-Analysis of Retrospective Comparative Studies. *Curr Urol*. 2017 Jul;10(2):57-68. doi: 10.1159/000447153. Epub 2017 May 30. Review. PubMed PMID: 28785189; PubMed Central PMCID: PMC5527227.

5: Cerruto MA, D'Elia C, Siracusano S, Saleh O, Gacci M, Cacciamani G, De Marco V, Porcaro AB, Balzarro M, Niero M, Lonardi C, Iafrate M, Bassi P, Imbimbo C, Racioppi M, Talamini R, Ciciliato S, Serni S, Carini M, Verze P, Artibani W. Health-related Quality of Life After Radical Cystectomy: A Cross-sectional Study With Matched-pair Analysis on Ileal Conduit vs Ileal Orthotopic Neobladder Diversion. *Urology*. 2017 Oct;108:82-89. doi: 10.1016/j.urology.2017.06.022. Epub 2017 Jun 23. PubMed PMID: 28652163.

6: Valente U, Vinanzi C, Dipresa S, Selice R, Menegazzo M, Iafrate M, Foresta C,

Garolla A. Is there any clinical relevant difference between non mosaic Klinefelter Syndrome patients with or without Androgen Receptor variations? *Sci Rep*. 2017 Jun 13;7(1):3358. doi: 10.1038/s41598-017-03371-y. PubMed PMID: 28611373; PubMed Central PMCID: PMC5469740.

7: Chilelli NC, Bax G, Bonaldo G, Ragazzi E, Iafrate M, Zattoni F, Bellavere F, Lapolla A. Lower urinary tract symptoms (LUTS) in males with type 2 diabetes recently treated with SGLT2 inhibitors-overlooked and overwhelming? A retrospective case series. *Endocrine*. 2018 Mar;59(3):690-693. doi: 10.1007/s12020-017-1301-x. Epub 2017 Apr 18. PubMed PMID: 28421418.

8: Sharova E, Grassi A, Marcer A, Ruggero K, Pinto F, Bassi P, Zanovello P, Zattoni F, D'Agostino DM, Iafrate M, Ciminale V. A circulating miRNA assay as a first-line test for prostate cancer screening. *Br J Cancer*. 2016 Jun 14;114(12):1362-6. doi: 10.1038/bjc.2016.151. Epub 2016 May 26. PubMed PMID: 27228285; PubMed Central PMCID: PMC4984473.

9: D'Agostino D, Racioppi M, Pugliese D, Ragonese M, Di Gianfrancesco L, Filianoti A, Palermo G, Belgrano E, Siracusano S, Niero M, Imbimbo C, Iafrate M, Artibani W, Cerruto MA, Talamini R, Bassi P. Postoperative Quality of Life in Patients with Ileal Neobladder at Short-, Intermediate- and Long-Term Follow-Up. *Urol Int*. 2016;97(1):54-60. doi: 10.1159/000443185. Epub 2016 Apr 12. PubMed PMID: 27064910.

10: Colombier S, Prêtre R, Iafrate M, Niclauss L. Double-stage venous cannulation combined with Avalon® cannula for potential prolongation of respiratory ECMO in end-stage pulmonary disease. *Perfusion*. 2016 Oct;31(7):593-7. doi: 10.1177/0267659116641483. Epub 2016 Mar 25. PubMed PMID: 27015915.

11: Cerruto MA, D'Elia C, Siracusano S, Gedeshi X, Mariotto A, Iafrate M, Niero M, Lonardi C, Bassi P, Belgrano E, Imbimbo C, Racioppi M, Talamini R, Ciciliato S, Toffoli L, Rizzo M, Visalli F, Verze P, Artibani W. Systematic review and meta-analysis of non RCT's on health related quality of life after radical cystectomy using validated questionnaires: Better results with orthotopic neobladder versus ileal conduit. *Eur J Surg Oncol*. 2016 Mar;42(3):343-60. doi: 10.1016/j.ejso.2015.10.001. Epub 2015 Nov 9. Review. PubMed PMID: 26620844.

12: Querin G, Bertolin C, Da Re E, Volpe M, Zara G, Pegoraro E, Caretta N, Foresta C, Silvano M, Corrado D, Iafrate M, Angelini L, Sartori L, Pennuto M, Gaiani A, Bello L, Semplicini C, Pareyson D, Silani V, Ermani M, Ferlin A, Sorarù G; Italian Study Group on Kennedy's disease. Non-neural phenotype of spinal and bulbar muscular atrophy: results from a large cohort of Italian patients. *J*

Neurol Neurosurg Psychiatry. 2016 Aug;87(8):810-6. doi: 10.1136/jnnp-2015-311305. Epub 2015 Oct 26. PubMed PMID: 26503015; PubMed Central PMCID: PMC4975824.

13: Imbimbo C, Mirone V, Siracusano S, Niero M, Cerruto MA, Lonardi C, Artibani W, Bassi P, Iafrate M, Racioppi M, Talamini R, Ciciliato S, Toffoli L, Visalli F, Massidda D, D'Elia C, Cacciamani G, De Marchi D, Silvestri T, Creta M, Belgrano E, Verze P. Quality of Life Assessment With Orthotopic Ileal Neobladder Reconstruction After Radical Cystectomy: Results From a Prospective Italian Multicenter Observational Study. *Urology*. 2015 Nov;86(5):974-9. doi: 10.1016/j.urology.2015.06.058. Epub 2015 Aug 18. PubMed PMID: 26291562.

14: Siracusano S, Niero M, Lonardi C, Cerruto MA, Ciciliato S, Toffoli L, Visalli F, Massidda D, Iafrate M, Artibani W, Bassi P, Imbimbo C, Racioppi M, Talamini R, D'Elia C, Cacciamani G, De Marchi D, Silvestri T, Verze P, Belgrano E. Development of a questionnaire specifically for patients with Ileal Orthotopic Neobladder (IONB). *Health Qual Life Outcomes*. 2014 Sep 1;12:135. doi: 10.1186/s12955-014-0135-y. PubMed PMID: 25174344; PubMed Central PMCID: PMC4160549.

15: Cerruto MA, D'Elia C, Cacciamani G, De Marchi D, Siracusano S, Iafrate M, Niero M, Lonardi C, Bassi P, Belgrano E, Imbimbo C, Racioppi M, Talamini R, Ciciliato S, Toffoli L, Rizzo M, Visalli F, Verze P, Artibani W. Behavioural profile and human adaptation of survivors after radical cystectomy and ileal conduit. *Health Qual Life Outcomes*. 2014 Apr 7;12:46. doi: 10.1186/1477-7525-12-46. PubMed PMID: 24708662; PubMed Central PMCID: PMC3991923.

16: Guttilla A, Crestani A, Cattaneo F, Zattoni F, Valotto C, Iafrate M, Dal Moro F, Zattoni F. Wunderlich's syndrome: three cases of acute spontaneous renal bleeding, conservatively treated. *Arch Ital Urol Androl*. 2013 Dec 31;85(4):210-3. doi: 10.4081/aiua.2013.4.210. PubMed PMID: 24399124.

17: Mirone V, Arcaniolo D, Rivas D, Bull S, Aquilina JW, Verze P; PAUSE study team. Results from a prospective observational study of men with premature ejaculation treated with dapoxetine or alternative care: the PAUSE study. *Eur Urol*. 2014 Apr;65(4):733-9. doi: 10.1016/j.eururo.2013.08.018. Epub 2013 Aug 22. PubMed PMID: 23993257.

18: Guttilla A, Crestani A, Zattoni F, Secco S, Iafrate M, Vianello F, Valotto C, Prayer-Galetti T, Zattoni F. Spermatic cord sarcoma: our experience and review of the literature. *Urol Int*. 2013;90(1):101-5. doi: 10.1159/000343277. Epub 2012 Oct 26. Review. PubMed PMID: 23108485.

19: Panfili M, Iafrate M, Marzot F, Secco S, De Rosa G, Groppa F, Padrini R. Ranolazine-induced severe bladder hypotonia. *Ann Pharmacother*. 2012 Sep;46(9):e24. doi: 10.1345/aph.1R172. Epub 2012 Jul 24. PubMed PMID: 22828972.

20: Boscolo-Berto R, Viel G, Iafrate M, Raduazzo DI, Cecchetto G, Zattoni F. Determinism and liabilities in a complicated transrectal prostate biopsy: what is what. *Urologia*. 2011 Jul-Sep;78(3):176-9. doi: 10.5301/RU.2011.8491. PubMed PMID: 21786228.

21: Selice R, Di Mambro A, Garolla A, Ficarra V, Iafrate M, Ferlin A, Foresta C. Spermatogenesis in Klinefelter syndrome. *J Endocrinol Invest*. 2010 Dec;33(11):789-93. doi: 10.3275/6935. Epub 2010 Mar 22. PubMed PMID: 20332707.

22: Boscolo-Berto R, Iafrate M, Viel G. Forensic implications in self-insertion of urethral foreign bodies. *Can J Urol*. 2010 Feb;17(1):5026-7. PubMed PMID: 20156386.

23: Boscolo-Berto R, Iafrate M, Casarrubea G, Ficarra V. Magnetic resonance angiography findings of penile Mondor's disease. *J Magn Reson Imaging*. 2009 Aug;30(2):407-10. doi: 10.1002/jmri.21857. PubMed PMID: 19629969.

24: Ficarra V, Novara G, Fracalanza S, D'Elia C, Secco S, Iafrate M, Cavalleri S, Artibani W. A prospective, non-randomized trial comparing robot-assisted laparoscopic and retropubic radical prostatectomy in one European institution. *BJU Int*. 2009 Aug;104(4):534-9. doi: 10.1111/j.1464-410X.2009.08419.x. Epub 2009 Mar 5. PubMed PMID: 19281468.

25: Persano L, Moserle L, Esposito G, Bronte V, Barbieri V, Iafrate M, Gardiman MP, Larghero P, Pfeffer U, Naschberger E, Stürzl M, Indraccolo S, Amadori A. Interferon-alpha counteracts the angiogenic switch and reduces tumor cell proliferation in a spontaneous model of prostatic cancer. *Carcinogenesis*. 2009 May;30(5):851-60. doi: 10.1093/carcin/bgp052. Epub 2009 Feb 23. PubMed PMID: 19237608.

26: Iafrate M, Galfano A, Macchi V, Ejituru E, Sarasin G, Porzionato A, Novara G, De Caro R, Artibani W, Ficarra V. Varicocele is associated with an increase of connective tissue of the pampiniform plexus vein wall. *World J Urol*. 2009 Jun;27(3):363-9. doi: 10.1007/s00345-008-0352-2. Epub 2008 Nov 22. PubMed PMID: 19030866.

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31: D'Ambrosi N, Iafrate M, Vacca F, Amadio S, Tozzi A, Mercuri NB, Volonté C. The P2Y₄ receptor forms homo-oligomeric complexes in several CNS and PNS neuronal cells. *Purinergic Signal.* 2006 Nov;2(4):575-82. doi: 10.1007/s11302-006-9014-2. Epub 2006 Sep 28. PubMed PMID: 18404459; PubMed Central PMCID: PMC2096661.

32: Ficarra V, Galfano A, Novara G, Iafrate M, Brunelli M, Secco S, Cavalleri S, Martignoni G, Artibani W. Risk stratification and prognostication of renal cell carcinoma. *World J Urol.* 2008 Apr;26(2):115-25. doi: 10.1007/s00345-008-0259-y. Epub 2008 Apr 8. Review. PubMed PMID: 18392834.

33: Galfano A, Novara G, Iafrate M, Cavalleri S, Martignoni G, Gardiman M, D'Elia C, Patard JJ, Artibani W, Ficarra V. Mathematical models for prognostic prediction in patients with renal cell carcinoma. *Urol Int.* 2008;80(2):113-23. doi: 10.1159/000112599. Epub 2008 Mar 19. Review. PubMed PMID: 18362478.

34: Galfano A, Novara G, Iafrate M, Fracalanza S, Novella G, Cavalleri S, Artibani W, Ficarra V. Surgical outcomes after modified antegrade scrotal sclerotherapy: a prospective analysis of 700 consecutive patients with idiopathic

varicocele. *J Urol.* 2008 May;179(5):1933-7. doi: 10.1016/j.juro.2008.01.042. Epub 2008 Mar 18. PubMed PMID: 18353385.

35: Boscolo-Berto R, Galfano A, Iafrate M. Re: Noburu Numao, Satoru Kawakami, Minato Yokoyama et al. Improved accuracy in predicting the presence of Gleason pattern 4/5 prostate cancer by three-dimensional 26-core systematic biopsy. *Eur urol* 2007;52:1663-9. *Eur Urol.* 2008 Aug;54(2):469-70; author reply 471. doi: 10.1016/j.eururo.2008.02.015. Epub 2008 Feb 20. PubMed PMID: 18299171.

36: Selli C, Cavalleri S, De Maria M, Iafrate M, Giannarini G. Robot-assisted removal of a large seminal vesicle cyst with ipsilateral renal agenesis associated with an ectopic ureter and a Müllerian cyst of the vas deferens. *Urology.* 2008 Jun;71(6):1226.e5-7. doi: 10.1016/j.urology.2007.11.114. Epub 2008 Feb 21. PubMed PMID: 18291505.

37: D'Ambrosi N, Iafrate M, Saba E, Rosa P, Volonté C. Comparative analysis of P2Y4 and P2Y6 receptor architecture in native and transfected neuronal systems. *Biochim Biophys Acta.* 2007 Jun;1768(6):1592-9. Epub 2007 Mar 30. PubMed PMID: 17481575.

38: Ficarra V, Novara G, Iafrate M, Cappellaro L, Bratti E, Zattoni F, Artibani W. Proposal for reclassification of the TNM staging system in patients with locally advanced (pT3-4) renal cell carcinoma according to the cancer-related outcome. *Eur Urol.* 2007 Mar;51(3):722-9; discussion 729-31. Epub 2006 Jul 28. PubMed PMID: 16904819.

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40: Rigamonti W, Iafrate M, Milani C, Capizzi A, Bisogno G, Carli M, Glazel GP. Orthotopic continent urinary diversion after radical cystectomy in pediatric patients with genitourinary rhabdomyosarcoma. *J Urol.* 2006 Mar;175(3 Pt 1):1092-6; discussion 1096. PubMed PMID: 16469628.

41: Bronte V, Kasic T, Gri G, Gallana K, Borsellino G, Marigo I, Battistini L, Iafrate M, Prayer-Galetti T, Pagano F, Viola A. Boosting antitumor responses of T lymphocytes infiltrating human prostate cancers. *J Exp Med.* 2005 Apr 18;201(8):1257-68. Epub 2005 Apr 11. PubMed PMID: 15824085; PubMed Central PMCID: PMC2213151.

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45: Cooper CS, Passerini-Glazel G, Hutcheson JC, Iafrate M, Camuffo C, Milani C, Snyder HM 3rd. Long-term followup of endoscopic incision of ureteroceles: intravesical versus extravesical. *J Urol*. 2000 Sep;164(3 Pt 2):1097-9; discussion 1099-100. PubMed PMID: 10958751.