

Curriculum vitae

PERSONAL INFORMATION



Fabio Castiglione MD, PhD, FEBU, FECSM

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POSITION

Honorary Lecturer (UCL)-Senior Clinical Fellow In Andrology (UCLH)

EDUCATION AND TRAINING

08/11/2019–Present

Honorary Lecturer

University College London (UCL), London (United Kingdom)

22/10/2014–04/09/2019

PhD in Biomedical Science - STEM CELL AND PENILE FIBROSIS

KU-LEUVEN UNIVERSITY, LEUVEN (Belgium)

General aim of my PhD was to evaluate the efficacy local injection of human ADSCs (hADSCs) and autologous SVF as a treatment of urethral stricture and PD using a rat animal model of the diseases;

28/06/2019–Present

Fellow of European Board of Urology (FEBU)

The European Board of Urology (EBU) is a section office of the European Union of Medical Specialists (UEMS). EBU's objectives are to study and standardise urological training in Europe.

28/02/2018–Present

Fellow of the European Committee of Sexual Medicine (FECSM)

The Multidisciplinary Joint Committee of Sexual Medicine (MJCSM) is working under the auspices of the European Union of Medical Specialists (UEMS). MJCSM's objectives are to study, promote and harmonize the highest level of Sexual Medicine in Europe – both on the basic and postgraduate level.

14/10/2016–23/10/2016

ESSM School of Sexual Medicine

European Society of Sexual medicine

21/03/2016–23/03/2016

EUREP ADVANCED HOT FOLLOW UP in laparoscopic urological skills

EAU-European Urology Residents Education Programme, Hamburg (Germany)

01/09/2015–07/09/2015

EAU-European Urology Residents Education Programme Course

EAU-European Urology Residents Education Programme, Prague (Czechia)

04/09/2015

E-Blus European training in basic laparoscopic urological skills Diploma

EAU- EUREP

01/02/2015–01/06/2015

FELASA C-ADVANCED COURSE IN LABORATORY ANIMAL SCIENCE

KU LEUVEN, LEUVEN (Belgium)

- 16/05/2015 **Specialization in Urology (ITA)** Summa cum Laude
Vita-Salute San Raffaele University, Milan (Italy)
- 17/05/2010–16/05/2015 **Resident in Urology**
Urology Department - San Raffaele Hospital- Vita-Salute San Raffaele University, Milan (Italy)
- 01/03/2010–31/06/2010 **Research Fellowship**
Johns Hopkins Hospital-Brady Urological Institute, Trinity J. Bivalacqua M.D. Ph.D. Professor of Urology and Oncology, Baltimore (USA)
- In Vivo Cavernous Nerve StimulationErection Rat Model,
 - In Vivo Peyronie's Disease Rat Model
 - Advanced in vivo techniques inrodents - partial urethral obstruction and administration of drugs.
 - Advanced In VivoTechniques in Rodents – Nerve Stimulation
- 01/09/2009–31/12/2009 **Research Fellowship**
Prof. Petter Hedlund - Clinical Pharmacology - Lunds Universitet - Biomedical centre, Lund (Sweden)
- Animal Handling Course, BiomedicalResearch Center of the Medical Faculty of Lund University
 - Pharmacological preclinical trials –design and evaluation
 - Introduction to functional pharmacologyand tissue bath techniques
 - Advanced in vivo techniques in rodents -partial urethral obstruction and administration of drugs.
 - Basic In Vivo Techniques for StudyingErectile Mechanisms in female and male Rodents
 - Advanced In VivoTechniques in Rodents – Nerve Stimulation
- 01/11/2003–17/07/2009 **Medical doctor degree** 110/110 Summa
Cum Laude
Università Vita-Salute San Raffaele, Milan (Italy)
thesis: ERECTILE FUNCTION AFTER BILATERAL NERVESPARING RADICAL RETROPUBIC PROSTATECTOMY: PROSPECTIVE ANALYSIS OF PREDICTIVEFACTORS AND IMPACT OF PHARMACOLOGICAL THERAPY
- 22/03/2007–22/08/2007 **Exchange student program- Erasmus**
Universidad de Santiago de Compostela, Santiago de Compostela (Spain)
Internship in Plastic Surgery Department;
Spanish languagecourse.
- 10/09/1998–21/06/2003 **High School Diploma** 100/100 Summa
Cum Laude
Liceo Vincenzo Linares (High School), Licata (AG) (Italy)
Latin and Ancient Greek Literature, World History,World Geography, Philosophy, History of Art, Italian and English Literature,Math, Physics, Chemistry, Biology
- WORK EXPERIENCE**
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- 02/11/2019–Present **Senior Fellow In Andrology**
UCLH, London (United Kingdom)

- 12/11/2018–01/11/2019 **Fellow In Uro-Oncology Robotic Surgery**
UCLH, London (United Kingdom)
- 01/03/2018–11/11/2018 **Fellow In General Urology**
Whittington Hospital, London (United Kingdom)
- 02/10/2017–28/02/2018 **Fellow In Reconstructive Urology**
UCLH, London (United Kingdom)
- 02/11/2016–01/10/2017 **Fellow In Andrology**
UCLH, London (United Kingdom)
- 01/03/2016–01/11/2016 **Fellow In Reconstructive Urology**
Kulkarni Reconstructive Urology Center, Pune (India)
Urethral Reconstructive Surgery
- 15/05/2014–01/03/2016 **Fellow in Reconstructive Urology**
Hospital Gasthuisberg Leuven-Urology Department, Leuven (Belgium)
Robotic Uro-Oncology Surgery
Reconstructive Urology
- 01/06/2010–01/06/2014 **Senior Researcher**
Urological Research Institute, Vita-Salute San Raffaele University, Milan (Italy)
- Male and female sexual dysfunction
 - Post-prostatectomy erectile dysfunction & penile rehabilitation strategies.
 - Post- hysterctomy sexual dysfunction
 - Rodent models of erectile dysfunction and female sexual dysfunction: cavernous nerve injury, diabetes mellitus type II, pelvic nerve injury, premature ejaculation, arousal disorder
 - Adipose Tissue-Derived Stem Cells (ADSC), adult stem cells, mechanisms of action of stem cells and stem cell homing.
 - Prostate cancer

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C1	C1
Spanish	C1	C1	C1	C1	A2
Dutch	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

ADDITIONAL INFORMATION

Academic & research Interests

- Sexual medicine
- Reconstructive Urology
- Andrology
- Clinical and basic science research in the Urogenital field & SexualMedicine
- Male and female sexual dysfunction
- Post-prostatectomy erectile dysfunction & penile rehabilitation strategies.
- Rodent models of erectile dysfunction and female sexual dysfunction: cavernous nerve injury, diabetes mellitus type II, pelvic nerve injury, premature ejaculation, arousal disorder
- Adipose Tissue-Derived Stem Cells (ADSC), adult stem cells, mechanisms of action of stem cells and stem cell homing.

Peer - reviewed publications

- Alnajjar HM, Castiglione F, Ahmed K, Haider A, Nigam R, Muneer A. A novel 'Batman' scrotoectomy technique for the management of scrotal lymphoedema following treatment for penile cancer. *Transl Androl Urol.* 2019 Oct;8(5):448-456.
- Pozzi E, Muneer A, Sangster P, Alnajjar HM, Salonia A, Bettocchi C, Castiglione F, Ralph DJ; Trauma, Reconstructive Urology Working Party of the European Association of Urology (EAU) Young Academic Urologists (YAU). Stem-cell regenerative medicine as applied to the penis. *Curr Opin Urol.* 2019 Apr 16.
- **Hakim L, Fiorenzo S, Hedlund P, Montorsi F, Bivalacqua TJ, De Ridder D, Weyne E, Ralph D, Garaffa G, Muneer A, Joniau S, Albersen M, Castiglione F; Trauma and Reconstructive Urology Working Party of the European Association of Urology (EAU) Young Academic Urologists (YAU). Intratunical injection of autologous adipose stromal vascular fraction reduces collagen III expression in a rat model of chronic penile fibrosis. *Int J Impot Res.* 2019 Apr 15.**
- Capece M, La Rocca R, Mirone V, Bivalacqua TJ, Castiglione F, Albersen M, Ralph DJ, Muneer A, Garaffa G. A Systematic Review on Ischemic Priapism and Immediate Implantation: Do We Need More Data? *Sex Med Rev.* 2019 Mar 19. pii: S2050-0521(19)30002-2.
- Castiglione F, Alnajjar HM, Christodoulidou M, Albersen M, Pamham A, Freeman A, Jameson C, Mitra A, Nigam R, Malone P, Muneer A; Trauma and Reconstructive Urology Working Party of the European Association of Urology Young Academic Urologists. Primary Squamous Cell Carcinoma of the Male Proximal Urethra: Outcomes from a Single Centre. *Eur Urol Focus.* 2019 Mar 7. pii: S2405-4569(19)30051-3.
- D'hulst P, Floyd MS Jr, Castiglione F, Vander Eeck K, Joniau S, Van der Aa F. Excision and Primary Anastomosis for Bulbar Urethral Strictures Improves Functional Outcomes and Quality of Life: A Prospective Analysis from a Single Centre. *Biomed Res Int.* 2019 Jan 23;2019:7826085.
- Castiglione F, Hedlund P, Weyne E, Hakim L, Montorsi F, Bivalacqua TJ, De Ridder D, Milenkovic U, Ralph D, Garaffa G, Muneer A, Joniau S, Albersen M; Trauma and Reconstructive Urology Working Party of the European Association of Urology Young Academic Urologists. Intratunical Injection of Human Adipose Tissue-Derived Stem Cells Restores Collagen III/I Ratio in a Rat Model of Chronic Peyronie's Disease. *Sex Med.* 2019 Mar;7(1):94-103.
- **Milenkovic U, Albersen M, Castiglione F. The mechanisms and potential of stem cell therapy for penile fibrosis. *Nat Rev Urol.* 2019 Feb;16(2):79-97.**
- Castiglione F, Hedlund P, Weyne E, Hakim L, Montorsi F, Salonia A, Bivalacqua TJ, De Ridder D, Milenkovic U, Ralph D, Garaffa G, Muneer A, Joniau S, Albersen M; Trauma and Reconstructive Urology Working Party of the European Association of Urology (EAU) Young Academic Urologists (YAU). Intratunical Injection of Stromal vascular fraction prevents Fibrosis in a Rat Model of Peyronie's Disease. *BJU Int.* 2018 Sep 29.
- Weyne E, Hannan JL, Gevaert T, Soebadi MA, Matsui H, Castiglione F, van Renterghem K, De Ridder D, Van der Aa F, Bivalacqua TJ, Albersen M. Galanin Administration Partially Restores Erectile Function After Cavernous Nerve Injury and Mediates Endogenous Nitric Nerve Outgrowth In Vitro. *J Sex Med.* 2018 Apr;15(4):480-491.
- Di Trapani E, Nini A, Locatelli I, Buono R, Russo A, Dell'Oglio P, Castiglione F, La Croce G, Benigni F, Montorsi F, Salonia A, Cavarretta I, Briganti A. Development of the First Model of Radical Prostatectomy in the Mouse: A Feasibility Study. *Eur Urol.* 2017 Nov 14
- Albersen M, Pamham A, Joniau S, Sahdev V, Christodoulidou M, Castiglione F, Nigam R, Malone P, Freeman A, Jameson C, Minhas S, Ralph DJ, Muneer A. Predictive factors for local recurrence after glanssectomy and neoglans reconstruction for penile squamous cell carcinoma. *Urol Oncol.*

2017 Sep 4. pii:S1078-1439(17)30387-3.

- Falcone M, Garaffa G, Castiglione F, Ralph DJ. Current Management of Penile Fracture: An Up-to-Date Systematic Review. *Sex Med Rev.* 2017 Sep 2. pii: S2050-0521(17)30088-4.
- Castiglione F, Ralph DJ, Muneer A. Surgical Techniques for Managing Post-prostatectomy Erectile Dysfunction. *Curr Urol Rep.* 2017 Sep 30;18(11):90.
- Joshi PM, Barbagli G, Batra V, Surana S, Hamouda A, Sansalone S, Costi D, Lazzeri M, Hunter C, Desai DJ, Castiglione F, Kulkarni SB. A novel composite two-stage urethroplasty for complex penile strictures: A multicenter experience. *Indian J Urol.* 2017 Apr-Jun;33(2):155-158
- Matsui H, Sopko NA, Hannan JL, Reinhardt AA, Kates M, Yoshida T, Liu X, Castiglione F, Hedlund P, Weyne E, Albersen M, Bivalacqua TJ. M1 Macrophages Are Predominantly Recruited to the Major Pelvic Ganglion of the Rat Following Cavernous Nerve Injury. *J Sex Med.* 2017 Feb;14(2):187-195.
- Fisher CM, Pastuszak AW, Cohen D, Castiglione F, Carvalho J. Current Literature Review. *Sex Med.* 2016 Jun;4(2):e71-e74.
- Garaffa G, Castiglione F. Kallikrein-kinin system: is it the fountain of youth? *Asian J Androl.* 2017 Jan-Feb;19(1):138-139.
- **Castiglione F, Dell'Oglio P, Tosco L, Everaerts W, Albersen M, Hakim L, Van den Broeck T, Moris L, Claessens F, Briganti A, Montorsi F, Van Poppel H, Joniau S; European Multicenter Prostate Cancer Clinical and Translational Research Group (EMPaCT).. Tumor Volume and Clinical Failure in High-Risk Prostate Cancer Patients Treated With Radical Prostatectomy. Prostate. 2016 Aug 16.**
- **Castiglione F, Dewulf K, Hakim L, Weyne E, Montorsi F, Russo A, Boeri L, Bivalacqua TJ, De Ridder D, Joniau S, Albersen M, Hedlund P. Adipose-derived Stem Cells Counteract Urethral Stricture Formation in Rats. Eur Urol. 2016 May 2. pii: S0302-2838(16)30132-4. doi: 10.1016/j.eururo.2016.04.022. [Epub ahead of print] PubMed PMID: 27156445.**
- Yodi Soebadi, Uros Milenkovic, Emmanuel Weyne, Fabio Castiglione, Maarten Albersen. Stem Cells in Sexual Medicine: Are We Getting Somewhere? Accepted in *Sexual Medicine Reviews* 22.11.2016
- Johanna L. Hannan, Shelby A. Powers, Vinson M. Wang, Fabio Castiglione, Petter Hedlund Trinity J. Bivalacqua. Impaired contraction and decreased detrusor innervation in a female rat model of pelvic neuropraxia IUJO-D-16-00451R2 Accepted in *International Urogynecology Journal* 20.11.2016
- Salonia A, Castagna G, Capogrosso P, Castiglione F, Briganti A, Montorsi F. Prevention and management of post prostatectomy erectile dysfunction. *Transl Androl Urol.* 2015 Aug;4(4):421-37. doi: 10.3978/j.issn.2223-4683.2013.09.10. Review. PubMed PMID: 26816841; PubMed Central PMCID: PMC4708594.
- Soebadi MA, Moris L, Castiglione F, Weyne E, Albersen M. Advances in stem cell research for the treatment of male sexual dysfunctions. *Curr Opin Urol.* 2016 Mar;26(2):129-39. doi: 10.1097/MOU.0000000000000255. PubMed PMID: 26759972.
- **Castiglione F, Albersen M, Hedlund P, Gratzke C, Salonia A, Giuliano F. Current Pharmacological Management of Premature Ejaculation: A Systematic Review and Meta-analysis. Eur Urol. 2015 Dec 31. pii: S0302-2838(15)01237-3. doi: 10.1016/j.eururo.2015.12.028. [Epub ahead of print] Review. PubMed PMID: 26749092.**
- Mistretta FA, Russo A, Castiglione F, Bettiga A, Colciago G, Montorsi F, Brandolini L, Aramini A, Bianchini G, Allegretti M, Bovolenta S, Russo R, Benigni F, Hedlund P. DFL23448, A Novel Transient Receptor Potential Melastin 8-Selective Ion Channel Antagonist, Modifies Bladder Function and Reduces Bladder Overactivity in Awake Rats. *J Pharmacol Exp Ther.* 2016 Jan;356(1):200-11. doi: 10.1124/jpet.115.228684. Epub 2015 Nov 6. PubMed PMID: 26546575.
- **Castiglione F, Floyd MS Jr, Van der Aa F, Joniau S. Learning to Fly: There's no sensation to compare with this Suspended animation, a state of bliss-Pink Floyd. Eur Urol. 2016 Apr;69(4):691-2. doi: 10.1016/j.eururo.2015.10.003. Epub 2015 Oct 23. PubMed PMID: 26478536.**
- **Castiglione F, Bergamini A, Albersen M, Hannan JL, Bivalacqua TJ, Bettiga A, Benigni F, Salonia A, Montorsi F, Hedlund P. Pelvic nerve injury negatively impacts female genital blood flow and induces vaginal fibrosis-implications for human nerve-sparing radical hysterectomy. BJOG. 2015 Oct;122(11):1457-65. doi: 10.1111/1471-0528.13506. Epub 2015 Jul 14. PubMed PMID: 26179559.**
- Weyne E, Castiglione F, Van der Aa F, Bivalacqua TJ, Albersen M. Landmarks in erectile function

recovery after radical prostatectomy. *Nat Rev Urol*. 2015 May;12(5):289-97. doi: 10.1038/nrurol.2015.72. Epub 2015 Apr 14. Review. PubMed PMID: 25868558.

- Füllhase C, Schreiber A, Giese A, Schmidt M, Montorsi F, Gratzke C, La Croce G, Castiglione F, Stief C, Hedlund P. Spinal neuronal cannabinoid receptors mediate urodynamic effects of systemic fatty acid amide hydrolase (FAAH) inhibition in rats. *Neurourol Urodyn*. 2016 Apr;35(4):464-70. doi: 10.1002/nau.22753. Epub 2015 Mar 18. PubMed PMID: 25788026.
- Buono R, Briganti A, Freschi M, Villa L, La Croce G, Moschini M, Benigni F, Castiglione F, Montorsi F, Hedlund P. Silodosin and tadalafil have synergistic inhibitory effects on nerve-mediated contractions of human and rat isolated prostates. *Eur J Pharmacol*. 2014 Dec 5;744:42-51. doi: 10.1016/j.ejphar.2014.09.030. Epub 2014 Sep 23. PubMed PMID: 25261033.
- **Castiglione F, Montorsi F, Briganti A. Tadalafil for erectile dysfunction prevention after radiotherapy for prostate cancer. *JAMA*. 2014 Aug 20;312(7):748. doi: 10.1001/jama.2014.7920. PubMed PMID: 25138338.**
- Salonia A, Clementi MC, Ventimiglia E, Colicchia M, Capogrosso P, Castiglione F, Castagna G, Boeri L, Suardi N, Cantiello F, Damiano R, Montorsi F. Prevalence and predictors of concomitant low sexual desire/interest and new-onset erectile dysfunction - a picture from the everyday clinical practice. *Andrology*. 2014 Sep;2(5):702-8. doi: 10.1111/j.2047-2927.2014.00236.x. Epub 2014 Jun 13. PubMed PMID: 24925830.
- Weyne E, Albersen M, Hannan JL, Castiglione F, Hedlund P, Verbist G, De Ridder D, Bivalacqua TJ, Van der Aa F. Increased expression of the neuroregenerative peptide galanin in the major pelvic ganglion following cavernous nerve injury. *J Sex Med*. 2014 Jul;11(7):1685-93. doi: 10.1111/jsm.12570. Epub 2014 May 15. PubMed PMID: 24831646.
- Hannan JL, Kutlu O, Stopak BL, Liu X, Castiglione F, Hedlund P, Burnett AL, Bivalacqua TJ. Valproic acid prevents penile fibrosis and erectile dysfunction in cavernous nerve-injured rats. *J Sex Med*. 2014 Jun;11(6):1442-51. doi: 10.1111/jsm.12522. Epub 2014 Mar 18. PubMed PMID: 24636283; PubMed Central PMCID: PMC4048646.
- **Castiglione F, Nini A, Briganti A. Penile rehabilitation with phosphodiesterase type 5 inhibitors after nerve-sparing radical prostatectomy: are we targeting the right patients? *Eur Urol*. 2014 Apr;65(4):673-4. doi: 10.1016/j.eururo.2013.11.049. Epub 2013 Dec 25. PubMed PMID: 24388439.**
- Castiglione F, Benigni F, Briganti A, Salonia A, Villa L, Nini A, Di Trapani E, Capitanio U, Hedlund P, Montorsi F. Naftopidil for the treatment of benign prostate hyperplasia: a systematic review. *Curr Med Res Opin*. 2014 Apr;30(4):719-32. doi: 10.1185/03007995.2013.861813. Epub 2013 Dec 18. Review. PubMed PMID: 24188134.
- Hansen J, Bianchi M, Sun M, Rink M, Castiglione F, Abdollah F, Steuber T, Ahyai SA, Steurer S, Göbel C, Freschi M, Montorsi F, Shariat SF, Fisch M, Graefen M, Karakiewicz PI, Briganti A, Chun FK. Percentage of high-grade tumour volume does not meaningfully improve prediction of early biochemical recurrence after radical prostatectomy compared with Gleason score. *BJU Int*. 2014 Mar;113(3):399-407. doi: 10.1111/bju.12424. Epub 2013 Dec 2. PubMed PMID:24053339.
- Gandaglia G, Strittmatter F, La Croce G, Benigni F, Bettiga A, Castiglione F, Moschini M, Mistretta F, Gratzke C, Montorsi F, Stief C, Hedlund P. The fatty acid amide hydrolase inhibitor oleoyl ethyl amide counteracts bladder overactivity in female rats. *Neurourol Urodyn*. 2014 Nov;33(8):1251-8. doi: 10.1002/nau.22482. Epub 2013 Aug 29. PubMed PMID: 24038381.
- Abdollah F, Suardi N, Capitanio U, Matloob R, Fossati N, Castiglione F, Di Trapani E, Di Trapani D, Russo A, Careni C, Montorsi F, Rigatti P, Bertini R. The key role of time in predicting progression-free survival in patients with renal cell carcinoma treated with partial or radical nephrectomy: conditional survival analysis. *Urol Oncol*. 2014 Jan;32(1):43.e9-16. doi: 10.1016/j.urolonc.2013.05.006. Epub 2013 Aug 2. PubMed PMID: 23911684.
- Salonia A, Clementi MC, Graziottin A, Nappi RE, Castiglione F, Ferrari M, Capitanio U, Damiano R, Montorsi F. Secondary provoked vestibulodynia in sexually active women with uncomplicated recurrent urinary tract infections. *J Sex Med*. 2013 Sep;10(9):2265-73. doi: 10.1111/jsm.12242. Epub 2013 Jul 22. PubMed PMID: 23875698.
- Capitanio U, Abdollah F, Matloob R, Suardi N, Castiglione F, Di Trapani E, Capogrosso P, Gallina A, Dell'Oglio P, Briganti A, Salonia A, Montorsi F, Bertini R. When to perform lymph node dissection in patients with renal cell carcinoma: a novel approach to the preoperative assessment of risk of lymph node invasion at surgery and of lymph node progression during follow-up. *BJU Int*. 2013 Jul;112(2):E59-66. doi: 10.1111/bju.12125. PubMed PMID: 23795799.
- Salonia A, Capogrosso P, Castiglione F, Russo A, Gallina A, Ferrari M, Clementi MC, Castagna G, Briganti A, Cantiello F, Damiano R, Montorsi F. Sperm banking is of key importance in patients with

- prostate cancer. *Fertil Steril*. 2013 Aug;100(2):367-72.e1. doi: 10.1016/j.fertnstert.2013.03.049. Epub 2013 May 4. PubMed PMID: 23651627.
- Capogrosso P, Colicchia M, Ventimiglia E, Castagna G, Clementi MC, Suardi N, Castiglione F, Briganti A, Cantiello F, Damiano R, Montorsi F, Salonia A. One patient out of four with newly diagnosed erectile dysfunction is a young man—worrying picture from the everyday clinical practice. *J Sex Med*. 2013 Jul;10(7):1833-41. doi: 10.1111/jsm.12179. Epub 2013 May 7. PubMed PMID: 23651423.
 - Castiglione F, Bergamini A, Russo A, La Croce G, Castagna G, Colciago G, Salonia A, Rigatti P, Montorsi F, Hedlund P. Inhibition of phosphodiesterase 4 enhances clitoral and vaginal blood flow responses to dorsal clitoral nerve stimulation or PGE1 in anesthetized female rats. *J Sex Med*. 2013 Apr;10(4):939-50. doi: 10.1111/jsm.12058. Epub 2013 Jan 24. PubMed PMID:23347325.
 - **Castiglione F, Hedlund P, Van der Aa F, Bivalacqua TJ, Rigatti P, Van Poppel H, Montorsi F, De Ridder D, Albersen M. Reply from Authors re: Ching-Shwun Lin, Tom F. Lue. Adipose-derived Stem Cells for the Treatment of Peyronie's Disease?mEur Urol 2013;63:561-2: Xenogeneic Adipose Stem Cell Treatment in a Rat Model of Peyronie's Disease. Eur Urol. 2013 Mar;63(3):563-4. doi: 10.1016/j.eururo.2012.12.002. Epub 2012 Dec 13. PubMed PMID: 23265388.**
 - Füllhase C, Russo A, Castiglione F, Benigni F, Campeau L, Montorsi F, Gratzke C, Bettiga A, Stief C, Andersson KE, Hedlund P. Spinal cord FAAH in normal micturition control and bladder overactivity in awake rats. *J Urol*. 2013 Jun;189(6):2364-70. doi: 10.1016/j.juro.2012.11.165. Epub 2012 Dec 3. PubMed PMID: 23219540.
 - **Castiglione F, Hedlund P, Van der Aa F, Bivalacqua TJ, Rigatti P, Van Poppel H, Montorsi F, De Ridder D, Albersen M. Intratunical injection of human adipose tissue-derived stem cells prevents fibrosis and is associated with improved erectile function in a rat model of Peyronie's disease. Eur Urol. 2013 Mar;63(3):551-60. doi: 10.1016/j.eururo.2012.09.034. Epub 2012 Sep 24. Erratum in: Eur Urol. 2013 Jul;64(1):e21. PubMed PMID: 23040209; PubMed Central PMCID: PMC4029115.**
 - Villa L, Capitanio U, Briganti A, Abdollah F, Suardi N, Salonia A, Gallina A, Freschi M, Russo A, Castiglione F, Bianchi M, Rigatti P, Montorsi F, Scattoni V. The number of cores taken in patients diagnosed with a single microfoculus at initial biopsy is a major predictor of insignificant prostate cancer. *J Urol*. 2013 Mar;189(3):854-9. doi: 10.1016/j.juro.2012.09.100. Epub 2012 Sep 25. PubMed PMID: 23022004.
 - Gandaglia G, Albersen M, Suardi N, Gallina A, Abdollah F, Castiglione F, Capitanio U, Salonia A, Rigatti P, Hedlund P, Montorsi F, Briganti A. Postoperative phosphodiesterase type 5 inhibitor administration increases the rate of urinary continence recovery after bilateral nerve-sparing radical prostatectomy. *Int J Urol*. 2013 Apr;20(4):413-9. doi: 10.1111/j.1442-2042.2012.03149.x. Epub 2012 Sep 12. PubMed PMID: 22970988.
 - Salonia A, Castagna G, Saccà A, Ferrari M, Capitanio U, Castiglione F, Rocchini L, Briganti A, Rigatti P, Montorsi F. Is erectile dysfunction a reliable proxy of general male health status? The case for the International Index of Erectile Function-Erectile Function domain. *J Sex Med*. 2012 Oct;9(10):2708-15. doi: 10.1111/j.1743-6109.2012.02869.x. Epub 2012 Aug 15. PubMed PMID: 22897643.
 - Capitanio U, Suardi N, Matloob R, Abdollah F, Castiglione F, Briganti A, Carezzi C, Roscigno M, Montorsi F, Bertini R. Staging lymphadenectomy in renal cell carcinoma must be extended: a sensitivity curve analysis. *BJU Int*. 2013 Mar;111(3):412-8. doi: 10.1111/j.1464-410X.2012.11313.x. Epub 2012 Jun 15. PubMed PMID: 22703190.
 - Capitanio U, Matloob R, Suardi N, Abdollah F, Castiglione F, Di Trapani D, Russo A, Briganti A, Carezzi C, Salonia A, Montorsi F, Rigatti P, Bertini R. The extent of lymphadenectomy does affect cancer specific survival in pathologically confirmed T4 renal cell carcinoma. *Urologia*. 2012 Apr-Jun;79(2):109-15. doi: 10.5301/RU.2012.9255. PubMed PMID: 22610843.
 - Abdollah F, Sun M, Suardi N, Gallina A, Capitanio U, Bianchi M, Tutolo M, Fossati N, Castiglione F, Freschi M, Karakiewicz P, Rigatti P, Montorsi F, Briganti A. Presence of positive surgical margin in patients with organ-confined prostate cancer equals to extracapsular extension negative surgical margin. A plea for TNM staging system reclassification. *Urol Oncol*. 2013 Nov;31(8):1497-503. doi: 10.1016/j.urolonc.2012.04.013. Epub 2012 May 15. PubMed PMID: 22591746.
 - **Castiglione F, Bergamini A, Bettiga A, Bivalacqua TJ, Benigni F, Strittmatter F, Gandaglia G, Rigatti P, Montorsi F, Hedlund P. Perioperative betamethasone treatment reduces signs of bladder dysfunction in a rat model for neuropathic bladder in female urogenital surgery. Eur Urol. 2012 Dec;62(6):1076-85. doi: 10.1016/j.eururo.2012.04.037. Epub 2012 Apr 19. PubMed PMID: 22542670; PubMed Central PMCID: PMC4020425.**

- Salonia A, Abdollah F, Capitanio U, Gallina A, Suardi N, Briganti A, Zanni G, Ferrari M, Castiglione F, Clementi MC, Rigatti P, Montorsi F. Preoperative sex steroids are significant predictors of early biochemical recurrence after radical prostatectomy. *World J Urol.* 2013 Apr;31(2):275-80. doi: 10.1007/s00345-012-0856-7. Epub 2012 Mar 24. PubMed PMID: 22441310.
- Abdollah F, Briganti A, Suardi N, Castiglione F, Gallina A, Capitanio U, Montorsi F. Metabolic syndrome and benign prostatic hyperplasia: evidence of a potential relationship, hypothesized etiology, and prevention. *Korean J Urol.* 2011 Aug;52(8):507-16. doi: 10.4111/kju.2011.52.8.507. Epub 2011 Aug 22. PubMed PMID: 21927696; PubMed Central PMCID: PMC3162215.
- Salonia A, Matloob R, Saccà A, Ferrari M, Gallina A, Castiglione F, Abdollah F, Raber M, Brigante C, Candiani M, Rigatti P, Montorsi F. Are Caucasian-European men delaying fatherhood? Results of a 7 year observational study of infertile couples with male factor infertility. *Int J Androl.* 2012 Apr;35(2):125-32. doi: 10.1111/j.1365-2605.2011.01197.x. Epub 2011 Jun 22. PubMed PMID: 21696399.
- **Russo A, Castiglione F, Salonia A, Benigni F, Rigatti P, Montorsi F, Andersson KE, Hedlund P. Effects of the gonadotropin-releasing hormone antagonist ganirelix on normal micturition and prostaglandin E(2)-induced detrusor overactivity in conscious female rats. *Eur Urol.* 2011 May;59(5):868-74. doi: 10.1016/j.eururo.2010.12.007. Epub 2010 Dec 21. PubMed PMID: 21196074.**

Peer-review

- Reviewer for European Urology: Basic ScienceSection.
- Reviewer for Journal of Urology: BasicScience Section.
- Reviewer for World Journal of Urology.
- Reviewer for the Journal of Sexual Medicine
- Reviewer for Neurobiology Urodynamic
- Reviewer for Asian Journal of Andrology
- Reviewer for International journal of Impotence research

Grants

- **Gester Research Grant 2010- Gester Foundation for Urological Research, Sweden.Principal Investigator(35k euros).** The aim of the project was to develop a new female animal rat model for vasculogenic sexual dysfunction.
- **Gester Research Grant 2011- Gester Foundation for Urological Research, Sweden.Principal Investigator (35k euros).** The aim of the project was to develop a new female animal rat model for sexual dysfunction after pelvic surgery.
- **GRANT ROL 2011- Rete Oncologica Lombarda, Milan -ITALY.Co-Investigator and Research Activity Coordinator(100k euros).** The study had the aim of determining the progression rate and of growth of small renal tumor masses less than 2 cm and to verify the effectiveness of active surveillance as a first line treatment for this type of pathology.
- **ESSM GRANT for research 2011- European Society of Sexual Medicine-Principal investigator (30k euros).** The aim of this project was to study the efficacy of hADSCs local injection in the development of tunica albuginea fibrosis in a rat model of PD;
- **ESSM GRANT for research 2014- European Society of Sexual Medicine-Principal investigator(30k euros).** The aim of this project was to develop a new animal rat model for erectile dysfunction after pelvic nerve injury.
- **ESSM BASIC SCIENCE TRAVEL GRANT 2015- European Society of Sexual Medicine-(1k euros)**
- **ESSM BASIC SCIENCE TRAVEL GRANT 2016- European Society of Sexual Medicine-(1k euros)**
- **ESSM BASIC SCIENCE TRAVEL GRANT 2017- European Society of Sexual Medicine--(1k euros)**
- **ESSM BASIC SCIENCE TRAVEL GRANT 2019- European Society of Sexual Medicine--(1k euros)**
- **I° GRANT DI RICERCA DELLA FONDAZIONE LUNA- Società Italiana di Urologia (SIU).Principal investigator (15k euros).** The aim of this project was to develop a new animal model for urethral stricture.
- **European Urological Scholarship Programme scholarship Grant 2014/2015- European Association of Urology (EAU). Principal Investigator (80k euros).** The aim of this project was: To

evaluate the efficacy local injection of human ADSCs (hADSCs) and autologous SVF as a treatment of urethral stricture and PD using a rat animal model of the diseases;

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Memberships

- ESSM (European Society for Sexual Medicine)
- ISSM (International Society for Sexual Medicine)
- SMSNA (Sexual Medicine Society of North America)
- EAU (European Association of Urology)
- AUA (American Urological Association)
- SIU (Società Italiana di Urologia)

Official Position in International Scientific Societies

- **European Society for Sexual Medicine (ESSM)**
Member, Scientific Committee (2014-2017) - [Basic and Translational research subcommittee]
- **European Society for Sexual Medicine (ESSM)**
SUB-CHAIRMAN Scientific Committee (2018-2020) - [Basic and Translational research subcommittee]
- **International Consultation on Sexual Medicine (ICSM)**
Member, Scientific Committee (2014) - [Experimental Models for the Study of Women's and Men's Sexual Function]
- **International Consultation on Sexual Medicine (ISSM-ICSM)**
SUB-CHAIR, Scientific Committee (2019) -
- **11th Masterclass of Genito-Urethral Reconstructive Surgery 2017**
Faculty member
- **European Association of Urology (EAU)**
Member of Young Academic Urology- Reconstructive Urology Section
- **European Association of Urology (EAU)**
Abstract Reviewer 2017, 2018, 2019, 2020.
- **International Society Sexual of Medicine (ISSM) 2019**
Member, Young Academics,
- **The Journal of Sexual Medicine:**
Associate editor (2018-2024)
Member of the editorial board (2015-2024)

Conferences

Conferences & workshop proceedings

More than 70 abstract communications accepted between 2010-2019 including the following Conferences: European Association of Urology (EAU) conferences, European society of Sexual medicine (ESSM) conference, American Urological Association (AUA) conferences, Società Italiana di Urologia (SIU) conferences.

Conferences Activities

- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2014
- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2015
- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2016
- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2017
- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2018
- **Session chair:** European Society of Sexual Medicine (ESSM) Conference 2019
- **Session chair:** European Association of Urology (EAU) Conference 2016

- Session chair: European Association of Urology (EAU) Conference 2017
- Session chair: European Association of Urology (EAU) Conference 2018
- Session chair: European Association of Urology (EAU) Conference 2019
- Abstract Reviewer for European Association of Urology (EAU) Conference 2016, 2017, 2018, 2019, 2020
- Abstract Reviewer for European Society of Sexual Medicine (ESSM) Conference 2014, 2016, 2017, 2018, 2019, 2020

Invited Presentation

- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2012 (topic: Female animal models for sexual dysfunction)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2013 (topic: Stem Cells and Peyronie's disease)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2014 (topic: Stem Cells and Peyronie's disease)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2015 (topic: Penile rehabilitation)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2016 (topic: urethral stricture and ED)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2017 (topic: Stem Cells)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2018 (topic: Animal Model for sexual medicine)
- Invited speaker at European Society of Sexual Medicine (ESSM) conference 2019 (topic: animal model for RALP)
- Invited speaker at European association of Urology conference 2018 (Topic: erectile dysfunction)
- Invited speaker at European association of Urology conference 2019 conference (Topic: erectile dysfunction)
- Invited speaker at European association of Urology – Young academics Urology (YAU) 2018 conference (Topic: urethral stricture)
- Invited speaker at 19 Congreso Nacional de Andrología, Medicina Sexual y Reproductiva 2019, Spain (Topic: Stem Cell)
- Invited speaker at European association of Urology – ESGURS 2019 conference (Topic: urethral stricture)
- Invited speaker at Turkish association of Urology – 2019 conference (Topic: Stem Cells)
- Invited speaker at 20th Congreso Nacional de Andrología, Medicina Sexual y Reproductiva 2020, Spain (Topic: Stem Cell)
- Invited speaker at 20th British Association of Urology surgeons (BAUS) meeting 2020, UK (Topic: Stem Cell)
- Invited speaker at World Meeting on Sexual Medicine 2020 Japan

Teaching, Course and Seminar

Invited seminar

- *International Society Genito Urinary Reconstructive Surgery (GURS) 2018, Pune-India. Faculty member and invited speaker.*
- *11th Masterclass of Genito-Urethral Reconstructive Surgery 2017, UCLH. London-UK. Faculty member and invited speaker.*
- EAU EAUN - ESU Course 1: 'Sexual dysfunction in men and women: The same but different?' 2018. **Faculty member and invited speaker.**
- EAU-YAU Round Table Session on “Sexual Medicine in Primary Care: Development of Istanbul Approach (IstApp) Meeting” Istanbul- Turkey. **Faculty member and invited speaker.**

Teaching activities

- Lecturing to medical students at Vita-Salute San Raffaele University on Urology and Andrology 2011-2021
- Advising students in Urology for medical degree dissertation at Vita Salute San Raffaele University 2011-2014

Honours and awards

- AUA 2010 conference - American urological Association- Best Poster for Basic Science.
- ISSWH 2010 conference- International Society for the Study of Women's Sexual Health- Best Poster for Basic Science.
- EAU 2010 conference - European Association of Urology (EAU) - Best poster
- EAU 2011 conference - European Association of Urology (EAU) - Best poster
- SIU 2013 conference- Societa' Italiana Di Urologia- Best poster
- ESSM 2011- European Association of Sexual Medicine- Best abstract for female sexual function- (5k euros)
- EAU 2013 conference - European Association of Urology (EAU) - Best poster
- **EAU 2013** conference - European Association of Urology (EAU) - Best poster. **2nd best abstract by a resident (2k euros)**
- EAU 2014 conference - European Association of Urology (EAU) - Best poster
- **EAU 2017** conference - European Association of Urology (EAU) - **Best Scholar Award (European Urological Scholarship Programme scholarship).**
- **The Journal of Sexual medicine**- Best reviewer of the year 2018
- **EAU 2019**conference - European Association of Urology (EAU) **award recipient- Reviewer of the year from YAU.**