

Curriculum Vitae

Personal information

Name: Ben Van Cleynenbreugel
Work address: UZ Leuven
Herestraat 49
3000 Leuven
Belgium
Phone: 0032 (0) 16/34.69.30
Fax: 0032 (0) 16/34.69.31
Email: ben.vancleynenbreugel@uzleuven.be
Date of birth : 5 April 1969
Place of birth: Leuven, Belgium
Nationality: Belgian
Marital status: Married
Family status: 1 daughter
RIZIV number: 1-08819-15-450

Training

1980-1986 Secondary School Monfort College – Rotselaar
1987-1993 Medicine at the Catholic University of Leuven
1994-2000 Surgical Training and Urology at the Catholic University of Leuven
2001 Radiation protection and dosimetry
2017 Good Clinical Practice
2021 Doctor of Biomedical Sciences (PhD)

Work history

2000- Staff member in the dep. Of Urology, University Hospitals of Leuven
2001- Guest Lecturer at the Catholic University of Leuven; dep. Of Nursing and Midwifery

Scientific membership

ESU(T) training and research group – chairman
European School of Urology – board member
Belgian Laparoscopic Urology Group – board member
European Association of Urology
Urologists Club Leuven

Trials

1. A randomized, double-blind, placebo-controlled study to evaluate the efficacy and safety of tamsulosin oral controlled absorption system (TOCAS) 0.4 and 0.8 mg tablets once daily, tamsulosin modified release 0.4 mg capsules (OMNIC®) once daily and placebo in patients with lower urinary tract symptoms (LUTS) suggestive of benign prostatic obstruction (BPO), formerly referred to as symptomatic benign prostatic hyperplasia (BHP). Study n° 02-OMN-02.
2. A Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Effect of Tadalafil

Once Daily for 8 Weeks on Prostatic Blood Flow and Perfusion Parameters in Men with Signs and Symptoms of Benign Prostatic Hyperplasia.

- EudraCT number: 2010-020220-22
 - Protocol number: H6D-MC-LVIR
3. A multicenter, double-blind, randomized, placebo-controlled, parallel group study of the efficacy and safety of intraprostatic administration of BotoxR 200 U (botulinum toxin type A) purified neurotoxin complex to treat lower urinary tract symptoms due to benign prostatic hyperplasia. Eudract nummer: 2010-020172-30
 4. Een open-label, multicentrische studie op de lange termijn voor het beoordelen van de veiligheid en werkzaamheid van een combinatie met een vaste dosis van solifenacine (6 mg en 9 mg) en tamsulosinehydrochloride OCAS 0,4 mg, bij mannelijke proefpersonen met lagereurinewegsymptomen (LUTS) gekoppeld aan benigne prostaathyperplasie (BPH) met een belangrijke component van onvolledig geledigde blaas (De Neptune II-studie).
 5. A Randomized, double-blind, placebo-controlled study to evaluate the effect on unassisted erectile function of the early use of Tadalafil 5 mg once a day and Tadalafil 20 mg on demand treatment for 9 months in subjects undergoing bilateral nerve-sparing radical prostatectomy. Protocol number H6D-EW-LVIK.

PhD's in progress (promotor)

1. Proficiency Based Progression Training for Learning Robotic Basic Surgical Skills (3M22088). R. De Groot
2. Metric development and validation of a novel partial nephrectomy training model for proficiency-based progression (PBP) training in robotic surgery (3E11209). R. Farinha

Publications

1. Puliatti S, Amato M, Farinha R, Paludo A, Rosiello G, De Groot R, Mari A, Bianchi L, Piazza P, **Van Cleynenbreugel B**, Mazzone E, Migliorini F, Forte S, Rocco B, Kiely P, Mottrie A, Gallagher AG. Does quality assured eLearning provide adequate preparation for robotic surgical skills; a prospective, randomized and multi-center study. *Int J Comput Assist Radiol Surg.* 2022 Mar;17(3):457-465.
2. Amato M, Piazza P, Deruyver Y, Del Favero L, Van den Broeck T, Sarchi L, Scarcella S, Bravi CA, Puliatti S, Micali S, Van Haute C, **Van Cleynenbreugel B**. Laparoscopic assisted mini-ECIRS for ectopic kidney lithiasis: A case report and literature review. *CEN Case Rep.* 2022 Jan 4. doi: 10.1007/s13730-021-00683-x. Epub ahead of print. PMID: 34982417.
3. Veneziano D, Ploumidis A, **Van Cleynenbreugel B**, Gozen A, Palou J, Sarica K, Liatsikos E, Miano R, Ahmed K, Kamphuis G, Tokas T, Somani BK. Development Methodology of the Novel Endoscopic Stone Treatment Step 2/A Training/Assessment Curriculum and a Roadmap on Developing Hands-on Training Curriculums in Future: An International Collaborative Work by European Association of Urology Sections. *J Endourol.* 2021 Sep;35(9):1419-1426.
4. Tutolo M, Bruyneel L, Van der Aa F, Van Damme N, **Van Cleynenbreugel B**, Joniau S, Ammirati E, Vos G, Briganti A, De Ridder D, Everaerts W; Be-RALP: the Belgian RALP consortium. A novel tool to predict functional outcomes after robot-assisted radical prostatectomy and the value of additional surgery for incontinence. *BJU Int.* 2021 May;127(5):575-584.
5. Soenens C, Dekuyper P, De Coster G, Van Damme N, Van Eycken E, Quackels T, Roumeguère T, **Van Cleynenbreugel B**, Joniau S, Ameye F; Be-RALP registry. Concordance Between Biopsy and Radical Prostatectomy Gleason Scores: Evaluation of Determinants in a Large-Scale Study of Patients Undergoing RARP in Belgium. *Pathol Oncol Res.* 2020 Oct;26(4):2605-2612.

6. Roussel E, Verbiest A, Milenkovic U, **Van Cleynenbreugel B**, Van Poppel H, Joniau S, Beuselinc B, Albersen M. Too good for CARMENA: criteria associated with long systemic therapy free intervals post cytoreductive nephrectomy for metastatic clear cell renal cell carcinoma. *Scand J Urol*. 2020 Sep 14:1-7.
7. Tutolo M, Bruyneel L, Van der Aa F, Van Damme N, **Van Cleynenbreugel B**, Joniau S, Ammirati E, Vos G, Briganti A, De Ridder D, Everaerts W; Be-RALP: the Belgian RALP consortium. A novel tool to predict functional outcomes after robot-assisted radical prostatectomy and the value of additional surgery for incontinence. *BJU Int*. 2020 Sep 15.
8. Amin MSA, Aydin A, Abbud N, **Van Cleynenbreugel B**, Veneziano D, Somani B, Gözen AS, Redorta JP, Khan MS, Dasgupta P, Makanjuoala J, Ahmed K. Evaluation of a remote-controlled laparoscopic camera holder for basic laparoscopic skills acquisition: a randomized controlled trial. *Surg Endosc*. 2020 Aug 26.
9. Draulans C, Van Damme N, Isebaert S, Everaerts W, Silversmit G, Joniau S, De Meerleer G, Van Eycken E, Haustermans K; **Be-RALP: The Belgian RALP consortium**. Variation in adjuvant and early salvage radiotherapy after robot-assisted radical prostatectomy for prostate cancer: a population-based cohort study. *Acta Oncol*. 2020 Aug;59(8):904-910.
10. **Van Cleynenbreugel B**, Somani BK. Future of Robotic Surgical Education: The (R)evolution from Training the Barber-surgeon to Subspecialist Robot-surgeon. *Eur Urol*. 2020 Apr 30:S0302-2838(20)30243-8.
11. Veneziano D, Morgia G, Castelli T, Cimino S, Russo G, Privitera S, Goezen A, **Van Cleynenbreugel B**, Ahmed K, Somani B, Urzì D; ESU-ESUT training Research group. Evaluation of the "Teaching Guide for Basic Laparoscopic Skills" as a stand-alone educational tool for hands-on training sessions: a pilot study. *World J Urol*. 2020 Mar 21.
12. Tosco L, Devos G, De Coster G, Roumeguère T, Everaerts W, Quackels T, Dekuyper P, **Van Cleynenbreugel B**, Van Damme N, Van Eycken E, Ameye F, Joniau S; Be-RALP(Belgian Robotic-Assisted Laparoscopic Prostatectomy Registry): The Belgian RALP Consortium. Development and external validation of a nomogram to predict lymph node invasion after robot-assisted radical prostatectomy. *Urol Oncol*. 2020 Feb;38(2):37.
13. Akand M, Muilwijk T, Cornelissen J, Van Bruwaene S, Vander Eeck K, Baekelandt F, Mattelaer P, Van Reusel R, **Van Cleynenbreugel B**, Joniau S, Van Der Aa F. Development of a Prospective Data Registry System for Non-muscle-Invasive Bladder Cancer Patients Incorporated in the Electronic Patient File System. *Front Oncol*. 2019 Dec 11;9:1402.
14. Poelaert F, Joniau S, Roumeguère T, Ameye F, De Coster G, Dekuyper P, Quackels T, **Van Cleynenbreugel B**, Van Damme N, Van Eycken E, Mottrie A, Lumen N; Belgian RALP Consortium. Current Management of pT3b Prostate Cancer After Robot-assisted Laparoscopic Prostatectomy. *Eur Urol Oncol*. 2019 Feb;2(1):110-117.
15. **Van Cleynenbreugel B**, De Bruyn H, Vos G, Everaerts W, Albersen M, Srirangam S. Reduction of Warm Ischemia Time by Preoperative Three-Dimensional Visualization in Robot-Assisted Laparoscopic Partial Nephrectomy. *Urology: Research and Therapeutics Journal*. 2019; 2(1):123.
16. de Oliveira TR, **Van Cleynenbreugel B**, Pereira S, Oliveira P, Gaspar S, Domingues N, Leitão T, Palmas A, Lopes T, Van Poppel H. Laparoscopic Training in Urology Residency Programs: A Systematic Review. *Curr Urol*. 2019 May 10;12(3):121-126.
17. Tosco L, De Coster G, Roumeguère T, Everaerts W, Quackels T, Dekuyper P, **Van Cleynenbreugel B**, Van Damme N, Van Eycken E, Ameye F, Joniau S; Be RALP the Belgian RALP consortium. Development and External Validation of Nomograms To Predict Adverse Pathological Characteristics After Robotic Prostatectomy: Results of a Prospective, Multi-institutional, Nationwide series. *Eur Urol Oncol*. 2018 Sep;1(4):338-345.
18. Poelaert F, Joniau S, Roumeguère T, Ameye F, De Coster G, Dekuyper P, Quackels T, **Van Cleynenbreugel B**, Van Damme N, Van Eycken E, Mottrie A, Lumen N; Belgian RALP Consortium. Current Management of pT3b Prostate Cancer After Robot-assisted

- Laparoscopic Prostatectomy. *Eur Urol Oncol*. 2019 Feb;2(1):110-117.
19. Veneziano D, Ploumidis A, Proietti S, Tokas T, Kamphuis G, Tripepi G, **Van Cleynenbreugel B**, Gozen A, Breda A, Palou J, Sarica K, Liatsikos E, Ahmed K, Somani BK; ESU Training Group. Validation of the endoscopic stone treatment step 1 (EST-s1): a novel EAU training and assessment tool for basic endoscopic stone treatment skills-a collaborative work by ESU, ESUT and EULIS. *World J Urol*. 2019 Mar 27
 20. Somani BK, **Van Cleynenbreugel B**, Gözen AS, Skolarikos A, Wagner C, Beatty J, Barmoshe S, Gaya Sopena JM, Kalogeropoulos T, Faba OR, Salas RS, Schmidt M, Siena G, Pini G, Palou J, Geraghty R, Veneziano D. Outcomes of European Basic Laparoscopic Urological Skills (EBLUS) Examinations: Results from European School of Urology (ESU) and EAU Section of Uro-Technology (ESUT) over 6 Years (2013-2018). *Eur Urol Focus*. 2019 Jan 17
 21. Milenkovic U, Akand M, Moris L, Demaegd L, Muilwijk T, Bekhuis Y, Laenen A, **Van Cleynenbreugel B**, Everaerts W, Van Poppel H, Dumez H, Albersen M, Joniau S. Impact of neo-adjuvant chemotherapy on short-term complications and survival following radical cystectomy. *World J Urol*. 2018 Dec 5.
 22. Veneziano D, Canova A, Arnolds M, Beatty JD, Biyani SC, Dehò F, Fiori C, Hellawell G, Langenhuijsen JF, Pini G, Rodriguez Faba O, Siena G, Skolarikos A, Tokas T, **Van Cleynenbreugel B**, Wagner C, Tripepi G, Somani B, Lima E. The Performance Improvement (Pi) score: an algorithm to objectively score performance improvement during E-BLUS hands on training (HoT) sessions. An ESUT project. *BJU Int*. 2018 Nov 15
 23. Florin HJ, Snoeck R, **Van Cleynenbreugel B**, Albersen M. Treatment of intraurethral condylomata acuminata with surgery and cidofovir instillations in two immunocompromised patients and review of the literature. *Antiviral Res*. 2018 Oct;158:238-243
 24. Veneziano D, Ploumidis A, Proietti S, Tokas T, Kamphuis G, Tripepi G, **Van Cleynenbreugel B**, Gozen A, Breda A, Palou J, Sarica K, Liatsikos E, Ahmed K, Somani BK; European School of Urology training group. Evolution and Uptake of the Endoscopic Stone Treatment Step 1 (EST-s1) Protocol: Establishment, Validation, and Assessment in a Collaboration by the European School of Urology and the Uro-Technology and Urolithiasis Sections. *Eur Urol*. 2018 Sep;74(3):401-402.
 25. Somani BK, **Van Cleynenbreugel B**, Gozen A, Palou J, Barmoshe S, Biyani S, Gaya JM, Hellawell G, Pini G, Oscar FR, Sanchez Salas R, Macek P, Skolarikos A, Wagner C, Eret V, Haensel S, Siena G, Schmidt M, Klitsch M, Vesely S, Ploumidis A, Proietti S, Kamphuis G, Tokas T, Geraghty R, Veneziano D. The European Urology Residents Education Programme Hands-on Training Format: 4 Years of Hands-on Training Improvements from the European School of Urology. *Eur Urol Focus*. 2018 Mar 14. pii: S2405-4569(18)30080-4.
 26. Kiliç Ö, Akand M, **Van Cleynenbreugel B**. Retrograde intrarenal surgery for renal stones - Part 2. *Turk J Urol*. 2017 Sep;43(3):252-260.
 27. Ahmed K, Patel S, Aydin A, Veneziano D, **Van Cleynenbreugel B**, Gözen AS, Skolarikos A, Sietz C, Lahme S, Knoll T, Redorta JP, Somani BK, Sanguedolce F, Liatsikos E, Rassweiler J, Khan MS, Dasgupta P, Sarica K. European Association of Urology Section of Urolithiasis (EULIS) Consensus Statement on Simulation, Training, and Assessment in Urolithiasis. *Eur Urol Focus*. 2018 Jul;4(4):614-620.
 28. Albisinni S, Joniau S, Quackels T, De Coster G, Dekuyper P, **Van Cleynenbreugel B**, Van Damme N, Van Eycken E, Ameye F, Roumeguère T; Be-RALP Registry (Belgian Robotic-Assisted Laparoscopic Prostatectomy Registry). Current trends in patient enrollment for robotic-assisted laparoscopic prostatectomy in Belgium. *Cancer*. 2017 Nov 1;123(21):4139-4146.
 29. **Van Cleynenbreugel B**, Kiliç Ö, Akand M. Retrograde intrarenal surgery for renal stones - Part 1. *Turk J Urol*. 2017 Jun;43(2):112-121.
 30. Veneziano D, Ahmed K, **Van Cleynenbreugel B**, Gözen AS, Palou J, Sarica K, Liatsikos EN,

- Sanguedolce F, Honeck P, Alvarez-Maestro M, Papatsoris A, Kallidonis P, Greco F, Breda A, Somani B. Development methodology of the novel Endoscopic stone treatment step 1 (EST s1) training/assessment curriculum. *J Endourol.* 2017 Jul 10.
31. **Van Cleynenbreugel BSEP**, Gözen AS, Tokas T. The value of simulation-based training in the path to laparoscopic urological proficiency. *Curr Opin Urol.* 2017 Jul;27(4):337-341.
 32. Elsen S, Lerut E, Van Der Aa F, **Van Cleynenbreugel B**, Van Poppel H, De Witte P. Evans blue-mediated white-light detection of non-muscle-invasive bladder cancer: A preclinical feasibility and safety study using a rat bladder urothelial cell carcinoma model. *Mol Clin Oncol.* 2016 Dec;5(6):678-688
 33. Vanhie A, Meuleman C, Tomassetti C, Timmerman D, D'Hoore A, Wolthuis A, **Van Cleynenbreugel B**, Dancet E, Van den Broeck U, Tsaltas J, Renner SP, Ebert AD, Carmona F, Abbott J, Stepniewska A, Taylor H, Saridogan E, Mueller M, Keckstein J, Pluchino N, Zupi E, Dunselman G, Abrao MS, Chapron C, D'Hooghe T. Reply: Should we also work on an international informed consent for endometriosis surgery? *Hum Reprod.* 2017 Feb;32(2):480-481
 34. Baten E, Akand M, Floyd MS Jr, **Van Cleynenbreugel B**, Albersen M, Everaerts W, Van Poppel H, Van Der Aa F, Joniau S. Evaluation of conservative approach in the management of ureteroenteric strictures following radical cystectomy with Bricker ileal conduit: a single-center experience. *Scand J Urol.* 2016 Dec;50(6):439-444.
 35. De Sutter T, Akand M, Albersen M, Everaerts W, **Van Cleynenbreugel B**, De Ridder D, Goethuys H, Moris L, Milenkovic U, Van Poppel H, Van Der Aa F, Joniau S. The N-shaped orthotopic ileal neobladder: functional outcomes and complication rates in 119 patients. *Springerplus.* 2016 May 17;5:646
 36. Vanhie A, Meuleman C, Tomassetti C, Timmerman D, D'Hoore A, Wolthuis A, **Van Cleynenbreugel B**, Dancet E, Van den Broeck U, Tsaltas J, Renner SP, Ebert AD, Carmona F, Abbott J, Stepniewska A, Taylor H, Saridogan E, Mueller M, Keckstein J, Pluchino N, Janik G, Zupi E, Minelli L, Cooper M, Dunselman G, Koh C, Abrao MS, Chapron C, D'Hooghe T. Consensus on Recording Deep Endometriosis Surgery: the CORDES statement. *Hum Reprod.* 2016 Nov;31(11):2660.
 37. Callewaert G, Bosteels J, Housmans S, Verguts J, **Van Cleynenbreugel B**, Van der Aa F, De Ridder D, Vergote I, Deprest J. Laparoscopic versus robotic-assisted sacrocolpopexy for pelvic organ prolapse: a systematic review. *Gynecol Surg.* 2016;13:115-123.
 38. De Beule T, Carels K, Tejpar S, **Van Cleynenbreugel B**, Oyen R, Maleux G. Prostatic biopsy-related rectal bleeding refractory to medical and endoscopic therapy definitively managed by catheter-directed embolotherapy: a case report. *J Med Case Rep.* 2015 Oct 29;9:242.
 39. van der Poel H, Brinkman W, **Van Cleynenbreugel B**, Kallidonis P, Stolzenburg JU, Liatsikos E, Ahmed K, Brunckhorst O, Khan MS, Do M, Ganzer R, Murphy DG, Van Rij S, Dundee PE, Dasgupta P. Training in minimally invasive surgery in urology: European Association of Urology/International Consultation of Urological Diseases consultation. *BJU Int.* 2016 Mar;117(3):515-30
 40. Veneziano D, Minervini A, Beatty J, Fornara P, Gozen A, Greco F, Langenhuisen JF, Lunelli L, Overgaauw D, Rassweiler J, Rocco B, Salas RS, Shariat S, Sweet RM, Simone G, Springer C, Tuccio A, **Van Cleynenbreugel B**, Weibl P, Cozzupoli P. Construct, content and face validity of the camera handling trainer (CHT): a new E-BLUS training task for 30° laparoscope navigation skills. *World J Urol.* 2016 Apr;34(4):479-84.
 41. Soria F, Morcillo E, Serrano A, Cansino R, Rioja J, Fernandez I, de la Cruz J, **Van Cleynenbreugel B**, Sanchez-Margallo FM. Development and Validation of a Novel Skills Training Model for Retrograde Intrarenal Surgery. *J Endourol.* 2015 Nov;29(11):1276-81.
 42. Dirix P, Vingerhoedt S, Joniau S, **Van Cleynenbreugel B**, Haustermans K. Hypofractionated palliative radiotherapy for bladder cancer. *Support Care Cancer.* 2016 Jan;24(1):181-6.
 43. Elsen S, Lerut E, **Van Cleynenbreugel B**, van der Aa F, van Poppel H, de Witte PA.

- Biodistribution of Evans blue in an orthotopic AY-27 rat bladder urothelial cell carcinoma model: implication for the improved diagnosis of non-muscle-invasive bladder cancer (NMIBC) using dye-guided white-light cystoscopy. *BJU Int.* 2015 Sep;116(3):468-77.
44. Ahmed K, Khan R, Mottrie A, Lovegrove C, Abaza R, Ahlawat R, Ahlering T, Ahlgren G, Artibani W, Barret E, Cathelineau X, Challacombe B, Coloby P, Khan MS, Hubert J, Michel MS, Montorsi F, Murphy D, Palou J, Patel V, Piechaud PT, Van Poppel H, Rischmann P, Sanchez-Salas R, Siemer S, Stoeckle M, Stolzenburg JU, Terrier JE, Thüroff JW, Vaessen C, Van Der Poel HG, **Van Cleynenbreugel B**, Volpe A, Wagner C, Wiklund P, Wilson T, Wirth M, Witt J, Dasgupta P. Development of a standardised training curriculum for robotic surgery: a consensus statement from an international multidisciplinary group of experts. *BJU Int.* 2015 Jul;116(1):93-101.
 45. Wyn I, Debiec-Rychter M, **Van Cleynenbreugel B**, Sciot R. Cellular angiofibroma of the prostate: a rare tumor in an unusual location. *Case Rep Pathol.* 2014;2014:871530.
 46. Rosa B, Gruijthuisen C, **Van Cleynenbreugel B**, Sloten JV, Reynaerts D, Poorten EV. Estimation of optimal pivot point for remote center of motion alignment in surgery. *Int J Comput Assist Radiol Surg.* 2015 Feb;10(2):205-15.
 47. Hay D, Khan MS, Van Poppel H, **Van Cleynenbreugel B**, Peabody J, Guru K, Challacombe B, Dasgupta P, Ahmed K. Current status and effectiveness of mentorship programmes in urology: a systematic review. *BJU Int.* 2015 Sep;116(3):487-94.
 48. Meuleman C, Tomassetti C, Wolthuis A, **Van Cleynenbreugel B**, Laenen A, D'Hoore A, D'Hooghe T. Increasing the Quality of Surgery for Deep Endometriosis Should Be Based on Homogenous Clinical Patient Phenotype, Surgical Experience, and Standardized Outcome Reporting in Multicenter Multisurgeon Prospective Trials. *Ann Surg.* 2015 Jul;262(1):e26-8.
 49. Brinkman WM, Tjiam IM, Schout BM, Muijtjens AM, **Van Cleynenbreugel B**, Koldewijn EL, Witjes JA. Results of the European Basic Laparoscopic Urological Skills examination. *Eur Urol.* 2014 Feb;65(2):490-6.
 50. Geraerts I, Van Poppel H, Devoogdt N, **Van Cleynenbreugel B**, Joniau S, Van Kampen M. Prospective evaluation of urinary incontinence, voiding symptoms and quality of life after open and robot-assisted radical prostatectomy. *BJU Int.* 2013 Nov;112(7):936-43.
 51. Van den Broeck U, Meuleman C, Tomassetti C, D'Hoore A, Wolthuis A, **Van Cleynenbreugel B**, Vergote I, Enzlin P, D'Hooghe T. Effect of laparoscopic surgery for moderate and severe endometriosis on depression, relationship satisfaction and sexual functioning: comparison of patients with and without bowel resection. *Hum Reprod.* 2013 Sep;28(9):2389-97.
 52. Meuleman C, Tomassetti C, Gaspar Da Vitoria Magro M, **Van Cleynenbreugel B**, D'Hoore A, D'Hooghe T. Laparoscopic treatment of endometriosis. *Minerva Ginecol.* 2013 Apr;65(2):125-42.
 53. Meuleman C, Tomassetti C, Wolthuis A, **Van Cleynenbreugel B**, Laenen A, Penninckx F, Vergote I, D'Hoore A, D'Hooghe T. Clinical outcome after radical excision of moderate-severe endometriosis with or without bowel resection and reanastomosis: a prospective cohort study. *Ann Surg.* 2014 Mar;259(3):522-31.
 54. Geraerts I, Van Poppel H, Devoogdt N, Joniau S, **Van Cleynenbreugel B**, De Groef A, Van Kampen M. Influence of preoperative and postoperative pelvic floor muscle training (PFMT) compared with postoperative PFMT on urinary incontinence after radical prostatectomy: a randomized controlled trial. *Eur Urol.* 2013 Nov;64(5):766-72.
 55. de la Rosette JJ, Opondo D, Daels FP, Giusti G, Serrano A, Kandasami SV, Wolf JS Jr, Grabe M, Gravas S; **CROES PCNL Study Group**. Categorisation of complications and validation of the Clavien score for percutaneous nephrolithotomy. *Eur Urol.* 2012 Aug;62(2):246-55.
 56. Xue W, Pacik D, Boellaard W, Breda A, Botoca M, Rassweiler J, **Van Cleynenbreugel B**, de la Rosette J; **CROES PCNL Study Group**. Management of single large nonstaghorn renal stones in the CROES PCNL global study. *J Urol.* 2012 Apr;187(4):1293-7.
 57. Roelants M, Huygens A, Crnolatac I, **Van Cleynenbreugel B**, Lerut E, Van Poppel H, de Witte

- PA. Evans blue as a selective dye marker for white-light diagnosis of non-muscle-invasive bladder cancer: an in vitro study. *BJU Int.* 2012 Jan;109(2):300-5.
58. Meuleman C, Tomassetti C, D'Hoore A, Buyens A, **Van Cleynenbreugel B**, Fieuw S, Penninckx F, Vergote I, D'Hooghe T. Clinical outcome after CO₂ laser laparoscopic radical excision of endometriosis with colorectal wall invasion combined with laparoscopic segmental bowel resection and reanastomosis. *Hum Reprod.* 2011 Sep;26(9):2336-43.
 59. Meuleman C, D'Hoore A, **Van Cleynenbreugel B**, Tomassetti C, D'Hooghe T. Why we need international agreement on terms and definitions to assess clinical outcome after endometriosis surgery. *Hum Reprod.* 2011 Jun;26(6):1598-9; author reply 1599-600
 60. Vandepitte J, Roelants M, **Van Cleynenbreugel B**, Hettinger K, Lerut E, Van Poppel H, de Witte PA. Biodistribution and photodynamic effects of polyvinylpyrrolidone-hypericin using multicellular spheroids composed of normal human urothelial and T24 transitional cell carcinoma cells. *J Biomed Opt.* 2011 Jan-Feb;16(1):018001.
 61. Meuleman C, Tomassetti C, D'Hoore A, **Van Cleynenbreugel B**, Penninckx F, Vergote I, D'Hooghe T. Surgical treatment of deeply infiltrating endometriosis with colorectal involvement. *Hum Reprod Update.* 2011 May-Jun;17(3):311-26.
 62. Roelants M, **Van Cleynenbreugel B**, Van Poppel H, Lerut E, de Witte PA. Use of fluorescein isothiocyanate-human serum albumin for the intravesical photodiagnosis of non-muscle-invasive bladder cancer: an in vitro study using multicellular spheroids composed of normal human urothelial and urothelial cell carcinoma cell lines. *BJU Int.* 2011 Aug;108(3):455-9.
 63. Roelants M, **Van Cleynenbreugel B**, Lerut E, Van Poppel H, de Witte PA. Human serum albumin as key mediator of the differential accumulation of hypericin in normal urothelial cell spheroids versus urothelial cell carcinoma spheroids. *Photochem Photobiol Sci.* 2011 Jan;10(1):151-9
 64. Vandepitte J, **Van Cleynenbreugel B**, Hettinger K, Van Poppel H, de Witte PA. Biodistribution of PVP-hypericin and hexaminolevulinate-induced PpIX in normal and orthotopic tumor-bearing rat urinary bladder. *Cancer Chemother Pharmacol.* 2011 Apr;67(4):775-81.
 65. Vandepitte J, Maes J, **Van Cleynenbreugel B**, Van Poppel H, Lerut E, Agostinis P, de Witte PA. An improved orthotopic rat bladder tumor model using Dil-loaded fluorescent AY-27 cells. *Cancer Biol Ther.* 2010 Jun 15;9(12):986-93.
 66. Sangeda RZ, Vandepitte J, Huygens A, **Van Cleynenbreugel B**, Van Poppel H, de Witte PA. Prevention of tumor cell reimplantation during transurethral resection: the in-vitro antiadhesive and cytotoxic properties of an irrigant containing polyethylene glycol 400. *Anticancer Drugs.* 2010 Jul;21(6):645-50.
 67. Renard I, Joniau S, **Van Cleynenbreugel B**, Collette C, Naômé C, Vlassenbroeck I, Nicolas H, de Leval J, Straub J, Van Criekinge W, Hamida W, Hellel M, Thomas A, de Leval L, Bierau K, Waltregny D. Identification and validation of the methylated TWIST1 and NID2 genes through real-time methylation-specific polymerase chain reaction assays for the noninvasive detection of primary bladder cancer in urine samples. *Eur Urol.* 2010 Jul;58(1):96-104.
 68. Van Poppel H, Joniau S, **Van Cleynenbreugel B**, Mottaghy FM, Oyen R. Diagnostic evaluation of PSA recurrence and review of hormonal management after radical prostatectomy. *Prostate Cancer Prostatic Dis.* 2009;12(2):116-23.
 69. Meuleman C, D'Hoore A, **Van Cleynenbreugel B**, Beks N, D'Hooghe T. Outcome after multidisciplinary CO₂ laser laparoscopic excision of deep infiltrating colorectal endometriosis. *Reprod Biomed Online.* 2009 Feb;18(2):282-9.
 70. **Van Cleynenbreugel B**, Srirangam SJ, Van Poppel H. High-performance system GreenLight laser: indications and outcomes. *Curr Opin Urol.* 2009 Jan;19(1):33-7.
 71. Geldof K, Maleux G, Heye S, **Van Cleynenbreugel B**, Oyen R. Transcatheter embolization of an isolated lumbar arterial bleeding complicating radical nephrectomy for renal infarction

- with infected perirenal haematoma. *JBR-BTR*. 2008 Sep-Oct;91(5):203-5.
72. Srirangam SJ, **Van Cleynenbreugel B**, van Poppel H. Laparoscopic nephroureterectomy: the distal ureteral dilemma. *Adv Urol*. 2009;316807.
 73. De Cicco C, Schonman R, Craessaerts M, **Van Cleynenbreugel B**, Ussia A, Koninckx PR. Laparoscopic management of ureteral lesions in gynecology. *Fertil Steril*. 2009 Oct;92(4):1424-7. 2008
 74. Srirangam SJ, Hickerton B, **Van Cleynenbreugel B**. Management of urinary calculi in pregnancy: a review. *J Endourol*. 2008 May;22(5):867-75.
 75. Huygens A, Crnolatac I, Develter J, **Van Cleynenbreugel B**, Van der Kwast T, de Witte PA. Differential accumulation of hypericin in spheroids composed of T-24 transitional cell carcinoma cells expressing different levels of E-cadherin. *J Urol*. 2008 May;179(5):2014-9. doi: 10.1016/j.juro.2007.12.038. Epub 2008 Mar 19.
 76. Huygens A, Crnolatac I, Maes J, **Van Cleynenbreugel B**, Van Poppel H, Roskams T, de Witte PA. Influence of the glycosaminoglycan layer on the permeation of hypericin in rat bladders in vivo. *BJU Int*. 2007 Nov;100(5):1176-81.
 77. De Cicco C, Ret Dávalos ML, **Van Cleynenbreugel B**, Verguts J, Koninckx PR. Iatrogenic ureteral lesions and repair: a review for gynecologists. *J Minim Invasive Gynecol*. 2007 Jul-Aug;14(4):428-35. Review.
 78. Schatteman P, Chatzopoulos C, Assenmacher C, De Visscher L, Jorion JL, Blaze V, **Van Cleynenbreugel B**, Billiet I, Van der Eecken H, Bollens R, Motttrie A. Laparoscopic nephroureterectomy for upper urinary tract transitional cell carcinoma: results of a Belgian retrospective multicentre survey. *Eur Urol*. 2007 Jun;51(6):1633-8; discussion 1638.
 79. Tang HW, Van Brussel H, Vander Sloten J, Reynaerts D, De Win G, **Van Cleynenbreugel B**, Koninckx PR. Evaluation of an intuitive writing interface in robot-aided laser laparoscopic surgery. *Comput Aided Surg*. 2006 Jan;11(1):21-30.
 80. Huygens A, Kamuhabwa AR, Roskams T, **Van Cleynenbreugel B**, VAN Poppel H, de Witte PA. Permeation of hypericin in spheroids composed of different grade transitional cell carcinoma cell lines and normal human urothelial cells. *J Urol*. 2005 Jul;174(1):69-72.
 81. Huygens A, Kamuhabwa AR, Van Laethem A, Roskams T, **Van Cleynenbreugel B**, Van Poppel H, Agostinis P, De Witte PA. Enhancing the photodynamic effect of hypericin in tumour spheroids by fractionated light delivery in combination with hyperoxygenation. *Int J Oncol*. 2005 Jun;26(6):1691-7.
 82. Joniau S, Benijts J, Van Kampen M, De Waele M, Ooms J, **Van Cleynenbreugel B**, Van Poppel H. Clinical experience with the N-shaped ileal neobladder: assessment of complications, voiding patterns, and quality of life in our series of 58 patients. *Eur Urol*. 2005 May;47(5):666-72; discussion 672-3.
 83. Huygens A, Kamuhabwa AR, **Van Cleynenbreugel B**, van Poppel H, Roskams T, de Witte PA. In vivo accumulation of different hypericin ion pairs in the urothelium of the rat bladder. *BJU Int*. 2005 Feb;95(3):436-41.
 84. Kamuhabwa A, Agostinis P, Ahmed B, Landuyt W, **Van Cleynenbreugel B**, van Poppel H, de Witte P. Hypericin as a potential phototherapeutic agent in superficial transitional cell carcinoma of the bladder. *Photochem Photobiol Sci*. 2004 Aug;3(8):772-80.
 85. **Van Cleynenbreugel B**, Van Poppel H, Oyen R, Leemans A, Baert L. Primary localised amyloidosis of the ureter. *Acta Urol Belg*. 1996 Sep;64(3):43-5. Review.