

CURRICULUM VITAE

A. Personal Data

Name: Martin Christian Schumacher

Date and place of birth: March 9, 1968, Basel (Switzerland)

Married, two daughters born 2005 and 2011

Professional Address: Martin C. Schumacher, MD
Urologie Zentrum
Hirslanden Klinik Aarau
Schänisweg
CH - 5001 Aarau, Switzerland

Phone: +41 62 836 72 06

E-mail: martin.schumacher@uro-hirslanden.ch

B. Education

- 1995: Federal Diploma in Medicine (Lausanne)
- 1999: Basic surgery examination (Union der Schweizerischen Gesellschaften für Chirurgie)
- 2001: International Diploma for Mountain Medicine
- 2002: MD-Thesis: "Salt-sensitivity of blood pressure and decreased 11 β -hydroxysteroid dehydrogenase type 2 activity after renal transplantation" (under the supervision of PD Dr. P. Ferrari)
- 2003: Diploma European Urological Examination Part I (EBU)
- 2005: Diploma Urological Examination (practical and oral exam) (Swiss Society of Urology – FMH: Facharzt Urologie)
- 2006: Diploma European Urological Examination Part II (EBU)
Fellow of the European Board of Urology (FEBU)
- 2011: Diploma Swiss Society of Urology - Facharzt operative Urologie

C. Professional Activity

- 1996 – 1997: Resident in Surgery, Prof. P. Hahnloser and Dr. P. Petropoulos, Surgical Department, Hôpital cantonal de Fribourg, Switzerland
- 1997 – 1998: Resident in Orthopaedics, Prof. R. Jakob, Surgical Department, Hôpital cantonal de Fribourg, Switzerland
- 1998 – 1999: Resident in Surgery, Dr. P. Petropoulos, Surgical Department, Hôpital cantonal de Fribourg, Switzerland
- 1999 – 2000: Research, Prof. F. Frey (Division of Nephrology and Hypertension) and Prof. U. Studer (Urology), University Hospital Bern, Switzerland
- 2000 – 2001: Resident in Nephrology, Prof. F. Frey, Division of Nephrology and Hypertension, University Hospital Bern, Switzerland
- 2001 – 2006: Resident and consultant in Urology, Prof. U. Studer, Inselspital, University Hospital Bern, Switzerland
- 2006 – 2011: Research and resident/consultant in Urology, Prof. P. Ekman and Prof. N. P. Wiklund and Ingrid Ehrén, Karolinska Universitetssjukhuset; Clinical Cancer Epidemiology Prof. G. Steineck, Stockholm, Sweden
- 2008 – 2011: Head of the Bladder cancer / Cystectomy team at Karolinska University Hospital, Consultant in Urology, Stockholm, Sweden
- 2011 – 2015: Consultant in Urology (part-time clinical work) at Karolinska University Hospital, Stockholm, Sweden
- 2011 - Consultant in Urology, Urologie-Zentrum, Hirslanden Klinik Aarau, Switzerland
- 2014 - President of all physicians at the Hirslanden Klinik Aarau

D. Membership

- 1996: Swiss Society of Physicians (FMH)
- 1998: Swiss Society of Mountain Medicine (SSGM)
- 2005: Swiss Society of Urology (SGU)
Swiss Society of Ultrasound Diagnostics (SUD)
- 2006: Member of the European Association of Urology (EAU)
- 2008: Svensk Urologi Förening (SUF)
- 2010: Svensk Läkarförbundet
- 2019: International Neuro-Urology Society (INUS)

E. Prize

1. Prize: Astra Zeneca Hypertonie Forschungspreis (40'000.- SFR);
30.11.2002 to 1.12.02, Lugano, Schweiz;
Der Schweizerischen und Belgischen Gesellschaft für Hypertonie
- Topic: Salt-sensitivity of blood pressure and decreased 11 β -hydroxysteroid dehydrogenase type 2 activity after renal transplantation

F. Grants

- 2006 **Stiftelsen Johanna Hagstrand och Sigfried Linnérs Minne**
SEB Enskilda Banken, Stiftelser & Företag, 106 40 Stockholm
Amount: 92'000 SEK
Topic: Polyunsaturated fatty acids and prostate cancer risk
- 2007 **Dagmar Ferbs Memorial Found**, 128 64 Sköndal
Amount: 35'000 SEK
Topic: Epigenetic changes in initiation and development of prostate cancer and its application for early diagnosis
- Stiftelsen Johanna Hagstrand och Sigfrid Linnérs Minne**
SEB Enskilda Banken, Stiftelser & Företag, 106 40 Stockholm
Amount: 170'000 SEK
Topic: Polyunsaturated fatty acids and prostate cancer risk
- 2008 **Percy Falks Stiftelse**
Amount: 50'000 SEK
Topic: Polyunsaturated fatty acids and prostate cancer risk
- Stiftelsen Johanna Hagstrand och Sigfrid Linnérs Minne**
SEB Enskilda Banken, Stiftelser & Företag, 106 40 Stockholm
Amount: 210'000 SEK
Topic: Polyunsaturated fatty acids and prostate cancer risk
- 2009 **Johan Hedins Forsknings Stiftelse**
Amount: 15'000 SEK
Topic: Multicenter 5-ALA bladder cancer study
- 2010 **Johan Hedins Forsknings Stiftelse**
Amount: 15'000 SEK
Topic: Prostate cancer

G. Administrative responsibilities and functions

Head of the Bladder cancer / Cystectomy team at Karolinska University Hospital, Stockholm, Sweden: 2008 - 2011

- Responsibility for the coordination of all cystectomy procedures in the Stockholm County.
- Establishing post-operative rehabilitation for all cystectomy patients at Stockholms Sjukhem. Planning, risk analysis and successful implementation. Presentation of the concept at the urologic board meeting (SPESAK).
- Standardization of the cystectomy technique, operative manual for doctors and nurses at the Karolinska University Hospital.
- Establishing guidelines for the post-operative management after radical cystectomy at the Karolinska University Hospital.
- Active involvement in establishing a surgical complication registry for the Swedish National Cystectomy Registry
- Standardization of neoadjuvant chemotherapy in patients with muscle-invasive bladder cancer together with the Oncology Department at Radiumhemmet.
- Homepage: Topic bladder cancer (epidemiology, symptoms, diagnosis and treatment). Patient information available (brochure).

Consultant, Urology Department, University Hospital Bern, Switzerland: 2004 - 2006

- Editing of the urologic manual for residents and consultants of the Urology Department, comprising administrative directives, and emergency duties, overview of urological diseases, treatment guidelines and follow-up schemes.
- Coordination of teaching activities for medical students at the Urology Department.
- Composition of the urological teaching courses at the nurses' school in Bern.
- Responsibility for the purchase of all new operative instruments and equipment.
- Homepage renewal, designing and continuous updating for the Department of Urology.

H. Publications

2019:

Nicolas Diehm, Stefanie Marggi, Yasushi Ueki, Dagmar Schumacher, Hak Hong Keo, Christian Regli, Dai Do Do, Tilmann Moeltgen, Philipp Grimsehl, Stephen Wyler, Heinz Schoenhofen, Lorenz Räber, and Martin Schumacher. **Endovascular Therapy for Erectile Dysfunction – Who Benefits Most? Insights from a Single-center Experience.** Journal of Endovascular Therapy, accepted!

2018:

Diehm N, Do DD, Keo HH, Boerlin J, Regli C, Schumacher M, Jungmann PM, Raeber L, Baumann F. **Early Recoil After Balloon Angioplasty of Erection-Related Arteries in Patients With Arteriogenic Erectile Dysfunction.** J Endovasc Ther. 2018 Dec;25(6):710-715.

Tomas Thiel, Charlotta Ryk, Lotta Renström-Koskela, Gunnar Steineck, Martin C. Schumacher, N. Peter Wiklund, Petra J. de Verdier. **Intravesical BCG-treatment causes a long lasting reduction of recurrence and progression in patients with high-risk non-muscle invasive bladder cancer.** Submitted

2017:

Baumann F, Hehli D, Makaloski V, Schumacher M, Schönhofen H, Diehm N. **Erectile dysfunction - overview from a cardiovascular perspective.** Vasa. 2017 Aug;46(5):347-353

Collins JW, Hosseini A, Adding C, Nyberg T, Koupparis A, Rowe E, Perry M, Issa R, Schumacher MC, Wijburg C, Canda AE, Balbay M, Decaestecker K, Schwentner C, Stenzl A, Edeling S, Pokupić S, D'Hondt F, Mottrie A, Wiklund PN. **Corrigendum re: "Early Recurrence Patterns Following Totally Intracorporeal Robot-assisted Radical Cystectomy: Results from the EAU Robotic Urology Section (ERUS) Scientific Working Group"** [Eur Urol 2017;71:723-6]. Eur Urol. 2017 Sep;72(3)

Baumann F, Hehli D, Makaloski V, Schumacher M, Schönhofen H, Diehm N. **Erectile dysfunction - overview from a cardiovascular perspective.** Vasa. 2017 Aug;46(5):347-353

Collins JW, Hosseini A, Adding C, Nyberg T, Koupparis A, Rowe E, Perry M, Issa R, Schumacher MC, Wijburg C, Canda AE, Balbay MD, Decaestecker K, Schwentner C, Stenzl A, Edeling S, Pokupić S, D'Hondt F, Mottrie A, Wiklund PN. **Early Recurrence Patterns Following Totally Intracorporeal Robot-assisted Radical Cystectomy: Results from the EAU Robotic Urology Section (ERUS) Scientific Working Group.** Eur Urol. 2017 May;71(5):723-726.

2016:

Nicolas Diehm, **Martin C. Schumacher**. Erektile Dysfunktion und kardiovaskuläre Medizin. Mehr als ein One-Night-«Stent» CARDIOVASC 2016; Vol. 15, Nr. 3

Justin W. Collins, Hiten Patel, Christofer Adding, Magnus Annerstedt, Prokar Dasgupta, Shamim M. Khan, Walter Artibani, Richard Gaston, Thierry Piechaud, James W. Catto, Anthony Koupparis, Edward Rowe, Matthew Perry, Rami Issa, John McGrath, John Kelly, **Martin Schumacher**, Carl Wijburg, Abdullah E. Canda, Meviana D. Balbay, Karel Decaestecker, Christian Schwentner, Arnulf Stenzl, Sebastian Edeling, Sasa Pokupić, Michael Stockle, Stefan Siemer, Rafael Sanchez-Salas, Xavier Cathelineau, Robin Weston, Mark Johnson, Fredrik D'Hondt, Alexander Mottrie, Abolfazl Hosseini, Peter N. Wiklund. Enhanced Recovery After Robot-assisted Radical Cystectomy: EAU Robotic Urology Section Scientific Working Group Consensus View. Eur Urol 70 (2016) 649–660

2015:

Charlotta Ryk, Lotta Renström Koskelka, Thomas Thiel, N. Peter Wiklund, Gunnar Steineck, **Martin C. Schumacher**, Petra J. De Verdier. Outcome after BCG treatment for bladder cancer may be influenced by polymorphisms in the NOS2 and NOS3 genes. Redox Biol. 2015 Dec;6:272-7.

Sherif A, Hasan MN, Radecka E, Rodriguez AL, Shabo S, Karlsson M, **Schumacher MC**, Marits P, Wingqvist O. Pilot study of adoptive immunotherapy with sentinel node-derived T cells in muscle-invasive urinary bladder cancer. Scand J Urol. 2015 Jul 4:1-10.

Martin C. Schumacher, Eva Radecka, Magnus Hellström, Hans Jacobsson, Anders Sundin. ¹¹C-Acetate PET/CT imaging of prostate cancer lymph node metastases correlated with histopathological findings after extended lymphadenectomy. Scand J Urol. 2015 Feb;49(1):35-42.

2014:

Collins JW, Hosseini A, Sooriakumaran P, Nyberg T, Sanchez-Salas R, Adding C, **Schumacher MC**, Wiklund NP. Tips and tricks for intracorporeal robot-assisted urinary diversion. Curr Urol Rep. 2014 Nov;15(11):457.

Collins JW, Tyritzis S, Nyberg T, **Schumacher MC**, Laurin O, Adding C, Jonsson M, Khazaeli D, Steineck G, Wiklund P, Hosseini A. Robot-assisted radical cystectomy (RARC) with intracorporeal neobladder - what is the effect of the learning curve on outcomes? BJU Int. 2014 Jan;113(1):100-7.

Amir Sherif, Mudhar N Hasan, Eva Radecka, Alvaro Lozano Rodriguez, Sarab Shabo, Mona Karlsson, **Martin C. Schumacher**, Per Marits, Ola Wingqvist. Metinell node based adoptive T-cell

immunotherapy in advanced urothelial urinary bladder cancer - a pilot study. Objective responses and survival. Scand J Urol. 2014 (submitted)

2013:

Tyritzis SI, Hosseini A, Collins J, Nyberg T, Jonsson MN, Laurin O, Khazaeli D, Adding C, Schumacher M, Wiklund NP. **Oncologic, Functional, and Complications Outcomes of Robot-assisted Radical Cystectomy with Totally Intracorporeal Neobladder Diversion.** Eur Urol. 2013 Jun 6

Collins JW, Tyritzis S, Nyberg T, Schumacher M, Laurin O, Khazaeli D, Adding C, Jonsson MN, Hosseini A, Wiklund NP. **Robot-assisted Radical Cystectomy: Description of an Evolved Approach to Radical Cystectomy.** Eur Urol. 2013 Oct;64(4):654-63

2011:

Martin N. Jonsson, L. Christofer Adding, Abolfazl Hosseini, Martin C. Schumacher, Daniela Volz, Andreas Nilsson, Stefan Carlsson, N. Peter Wiklund. **Robot-Assisted Radical Cystectomy with Intracorporeal Urinary Diversion in Patients with Transitional Cell Carcinoma of the Bladder** *Eur Urol.* 2011 Nov;60(5):1066-73

Mudhar N. Hasan, Martin C. Schumacher, Peter N. Wiklund. **Robotic-assisted reconstructive Urology.** *Curr Opin Urol.* 2011 Nov;21(6):483-7

Christofer Adding, Andreas Nilsson, Stefan Carlsson, Martin Jonsson, Martin Schumacher, Abolfazl Hosseini, Peter Wiklund, Tommy Nyberg, Gunnar Steineck. **Införandet av ett utvecklingsprogram för kirurgisk behandling av prostata cancer vid Karolinska Sjukhuset i Solna.** Svensk Läkartidningen 2011.

Martin C. Schumacher, Brett Laven, Fredrik Petersson, Tommy Cederholm, Eric Onelöv, Peter Ekman, Charles Brendler. **A comparative study of tissue (ω)-6 and (ω)-3 polyunsaturated fatty acids (PUFA) in benign and malignant pT2a radical prostatectomy specimens.** *Urol Oncol.* 2011 Mar 31.

Andreas E. Nilsson, Martin C. Schumacher, Stefan Carlsson, Tommy Nyberg, N. Peter Wiklund, Gunnar Steineck. **Age at surgery, educational level and long-term urinary incontinence after radical prostatectomy.** *BJU Int.* 2011 Nov;108(10):1572-7.

Martin C. Schumacher. **Conference Summary and Highlights: Prostate cancer: Screening, Prevention and Therapy - Lessons learnt from Current Trials WHO International Consultation,**

Stockholm, 2010. Orion Pharma Journal of Urology 2011, Issue 1 / Volume 15: 2-9.

Martin C. Schumacher, Martin N. Jonsson, Abolfazl Hosseini, Tommy Nyberg, Vassilis Poulakis, Nikolaos P. Pardalidis, Hubert John, Peter N. Wiklund. **Surgery-related complications of robot-assisted radical cystectomy with intracorporeal urinary diversion.** Urology. 2011 Apr;77(4):871-6. Epub 2011 Jan 22

Ola Bratt, **Martin C. Schumacher**: **Natural history of prostate cancer, active surveillance.** Acta Oncol. 2011 Jun;50 Suppl 1:116-9.

2010:

Martin C. Schumacher: **Open radical cystectomy - time for a paradigm shift towards robotic radical cystectomy?** Orion Pharma Journal of Urology 2010, Issue 1/ Volume 14: 2-9.

Burkhard FC, Thalmann GN, Studer UE, Schumacher M, Danuser HJ, Zingg EJ. **Ileum Neoblase nach Studer.** Aktuelle Urol. 2010 Jan;41(1):67-77; Quiz 78-9.

Schumacher MC, Holmäng S, Davidsson T, Friedrich B, Pedersen J, Wiklund NP. **Transurethral Resection of Non-Muscle-Invasive Bladder Transitional Cell Cancers With or Without 5-Aminolevulinic Acid Under Visible and Fluorescent Light: Results of a Prospective, Randomized, Multicentre Study.** Eur Urol. 2010; 57: 293-299.

Stefan Carlsson, Andreas E Nilsson, Martin C Schumacher, Martin N Jonsson, Daniela S Volz, Gunnar Steineck, N Peter Wiklund. **Surgery-related complications in open retropubic versus robot-assisted radical prostatectomies – Results from the Karolinska University Hospital, Sweden.** Urology. 2010 May;75(5):1092-7

2009:

Thorstenson A, Schumacher MC, Wiklund NP, Jonsson MN, Larsson P, Wijkström H, Onelöv E, Steineck G, De Verdier PJ. **Diagnostic random bladder biopsies: Reflections from a population-based cohort of 538 patients.** Scand J Urol Nephrol. 2009 Dec 3.

Hiromi Hanaka, Sven-Christian Pawelzik, John-Inge Johnsen, Marija Rakonjac, Kan Terawaki, Agnes Rasmuson, Baldur Sveinbjörnsson, Martin C. Schumacher, Mats Hamberg, Bengt Samuelsson, Per

Johan Jakobsson, Per Kogner, Olof Rådmark. **Microsomal prostaglandin E synthase 1 determines tumor growth *in vivo* of prostate and lung cancer cells.** Proc Natl Acad Sci U S A. 2009 Oct 27.

Martin C. Schumacher, Martin N. Jonsson and N. Peter Wiklund. **Does extended lymphadenectomy preclude laparoscopic or robot-assisted radical cystectomy in advanced bladder cancer?** Curr Opin Urol 2009, 19:527-532

Schumacher MC, Jonsson MN, Wiklund NP: **Robotic Cystectomy.** Scand Journal of Surgery 98:1-17, 2009-04-02

2008:

Achim Fleischmann, Sylviane Schobinger, Martin Schumacher, George N. Thalmann, Urs E. Studer. **Survival in surgically treated, nodal positive prostate cancer patients is predicted by histopathological characteristics of the primary tumor and its lymph node metastases.** Prostate. 2009 Mar 1;69(4):352-62.

Martin C. Schumacher and Urs E. Studer. **Ureteral frozen sections during radical cystectomy for transitional cell carcinoma of the bladder - to do or not to do?** BJU Int. 2009 May;103(9):1149-50

Fleischmann A, Schobinger S, Markwalder R, Schumacher M, Burkhard F, Thalmann GN, Studer UE. **Prognostic factors in lymph node metastases of prostatic cancer patients: the size of the metastases but not extranodal extension independently predicts survival.** Histopathology. 2008 Oct;53(4):468-75.

Martin C. Schumacher, Fiona C. Burkhard, George N. Thalmann, Achim Fleischmann, Urs E. Studer. **Good outcome for patients with few lymph node metastases after radical retropubic prostatectomy.** Eur Urol. 2008 Aug;54(2):344-52

2007:

Claudia Meissner, Gianluca Giannarini, Martin C. Schumacher, Harriet Thoeny, Urs E. Studer and Fiona C. Burkhard. **The efficiency of intravenous urography as a follow-up investigation to detect upper urinary tract tumors after cystectomy for urothelial cancer.** J Urol. 2007 Dec;178(6):2287-90

Martin C. Schumacher, Brett Laven, Alicja Wolk, Charles B. Brendler, Peter Ekman. **Do omega-3 dietary fatty acids lower prostate cancer risk? A review of the literature.** Current Urol 2007;1:2-10

Gianluca Giannarini, Martin C. Schumacher, George N. Thalmann, Alain Bitton, Achim Fleischmann, Urs E. Studer. **Elective management of transitional cell carcinoma of the distal ureter: can kidney-sparing surgery be advised?** BJU Int. 2007 Aug;100(2):264-268

2006:

Martin C. Schumacher, Michael Scholz, Erik S. Weise, Achim Fleischmann, George N. Thalmann and Urs E. Studer. **Is there an indication for frozen section examination of the ureteral margins during cystectomy for transitional cell carcinoma of the bladder?** J Urol 2006, Dec; 176(6):2409-2413

Fiona C. Burkhard, Martin C. Schumacher, Urs E. Studer. **An extended pelvic lymph node dissection should be performed in most patients if radical prostatectomy is truly indicated.** Nat. Clin Pract. Urol 2006 Sept. 3 (9):454-455

Richard E. Hautmann, Björn G. Volkmer, Martin C. Schumacher, Urs E. Studer. **Long-term results of standard procedures in urology: The orthotopic ileal neobladder.** World J Urol 2006, Aug.24(3):305-314

Martin Schumacher, Fiona C. Burkhard, George N. Thalmann, Achim Fleischmann, Urs E. Studer. **Is pelvic lymph node dissection necessary in patients with a serum PSA < 10ng/ml undergoing radical prostatectomy for prostate cancer?** Eur Urol 2006, Aug.50(2):272-279

Yu Z. Schumacher M, Dick B, Frey FJ, Frey BM, Vogt B. **Analbuminemic Nagase Rats: Blood Pressure Response to Dietary Salt Challenge.** Nephron Physiol. 2006 Jun 19;104(2):p81-p86

Payam S. Pahlavan, Corry Smallegange, Michael A. Adams, Martin C. Schumacher. **Kidney Transplantation Procedures in Rats: Assessments, Complications and Management.** Microsurgery 2006;26(5):404-11.

Burkhard FC, Kessler TM, Fleischmann A, Thalmann GN, Schumacher M, Studer UE. **Nerve sparing open radical retropubic prostatectomy--does it have an impact on urinary continence?** J Urol. 2006 Jul;176(1):189-95.

Urs E. Studer, Fiona C. Burkhard, Martin Schumacher, Thomas M. Kessler, Harriet Thoeny, Achim Fleischmann, George N. Thalmann **Twenty years experience with an ileal orthotopic low pressure bladder substitute – Lessons to be learned.** J Urol 2006 July 176 (1): 161-166

M. Schumacher, U. E. Studer, H. Danuser. **Antegrade endopyelotomy for treatment of uretero-pelvic junction obstruction in transplanted kidneys.** J Endourol 2006, May 20(5): 305-308

H. Müller, N. Bürki, S. Gillesen, N. Gürteler, H. Imhof, U. Keller, E. Messmer, M. Schumacher, E. Trutmann. **Von Hippel Lindau – Erkrankung zur Erfassung und Betreuung Betroffener.** Swiss Medical Forum 2006; 6:70-76

Schumacher M, Thalmann GN, Studer UE. **Die radikale Prostatektomie zur Therapie des lokalisierten Prostatakarzinomes.** Therapeutische Umschau Feb. 2006; 163(2):143-150

2005:

Martin Schumacher, Fiona C. Burkhard, Urs E. Studer. **Le curage ganglionnaire dans le cancer de la prostate.** Ann Urol (Paris). 2005 Oct;39(5):197-202. French

Fiona C. Burkhard, Martin Schumacher, Urs E. Studer. **The Role of Lymphadenectomy in Prostate cancer.** Nat. Clin Pract 2005, July, Vol 2 No 7: 336-342

Yu Z, Schumacher M, Frey BM, Frey FJ, Vogt B: **Regulation of Epithelial Sodium Channel in Puromycin Aminonucleoside-Induced Unilateral Experimental Nephrotic Syndrome in Normal and Analbuminemic Nagase Rats.** Nephron Physiol 2005 ;101:p51-p62

Schumacher M, Burkhard FC, Studer UE. **The role of pelvic lymphadenectomy in prostate cancer.** Urologe A. 2005 May 4;

Kessler TM, Danuser H, Schumacher M, Studer UE, Burkhard FC. **Botulinum A toxin injections into the detrusor: an effective treatment in idiopathic and neurogenic detrusor overactivity?** Neurourol Urodyn. 2005;24(3):231-6.

Burkhard FC, Schumacher M, Thalmann GN, Studer UE. **Is pelvic lymphadenectomy really necessary in patients with a serum prostate-specific antigen level of <10 ng/ml undergoing radical prostatectomy for prostate cancer?** BJU Int. 2005 Feb;95(3):275-8.

2004:

Martin Schumacher, Stephan Madersbacher, George N. Thalmann, Regula Markwalder, Urs E. Studer. **Die radikale Zystektomie mit ausgedehnter pelviner Lymphadenektomie beim invasiven Blasenkarzinom.** Urologische Nachrichten 2004.

2003:

Schumacher M, Van Vliet BN, Ferrari P. Kidney transplantation in rats: an appraisal of surgical techniques and outcome. *Microsurgery.* 2003;23(4):387-94. Review.

Ermolli M, Schumacher M, Lods N, Hammoud M, Marti HP. Differential expression of MMP-2/MMP-9 and potential benefit of an MMP inhibitor in experimental acute kidney allograft rejection. *Transpl Immunol.* 2003 Apr-Jun;11(2):137-45.

2002:

Schumacher M, Frey FJ, Montani JP, Dick B, Frey BM, Ferrari P. Salt-sensitivity of blood pressure and decreased 11beta-hydroxysteroid dehydrogenase type 2 activity after renal transplantation. *Transplantation.* 2002 Jul 15;74(1):66-72.

Hahnloser D, Schumacher M, Cavin R, Cosendey B, Petropoulos P. Risk factors for complications of laparoscopic Nissen fundoplication. *Surg Endosc.* 2002 Jan;16(1):43-7.

I. Book chapters

Surgical anatomy of pelvic lymph nodes. Martin C. Schumacher. Department of Urology, Hirslanden Klinik Aarau. Book Chapter: *Robotic Surgery 2nd Edition*, Springer Verlag. (in press 2017 / 2018)

Martin C. Schumacher and Amir M. Sherif. **Autologous immunotherapy as a novel treatment for bladder cancer.** Karolinska University Hospital, Dept. of Urology, Stockholm, Sweden, Hirslanden Klinik Aarau, Urology, Aarau, Switzerland. 2012. Book Chapter: *Bladder cancer*. In *Tech - Open Access Publisher*.

Robot-assisted radical cystectomy as a treatment modality for patients with muscle-invasive bladder cancer. Martin C. Schumacher. Department of Urology, Karolinska University Hospital, Stockholm, Sweden, 2011. Book Chapter: *Bladder cancer*. In *Tech - Open Access Publisher*.

Surgical anatomy of pelvic lymph nodes. Martin C. Schumacher. Department of Urology, Karolinska University Hospital, Stockholm, Sweden, 2011. Book Chapter: *Robotic Surgery 2nd Edition*, Springer Verlag.

Robotic Urinary Diversion: Technique, Current Status and Outcomes. Abolfazl Hosseini, Martin C. Schumacher, Martin N. Jonsson and N. Peter Wiklund. Department of Urology, Karolinska University Hospital, Stockholm, Sweden, 2009. Book Chapter: Robotic Urological Surgery. Springer Verlag. Hemal AK and Menon M 2009

Intracorporeal Robot assisted urinary diversion. Martin N. Jonsson, Martin C. Schumacher, Abolfazl Hosseini and N. Peter Wiklund. Department of Urology, Karolinska University Hospital, Stockholm, Sweden, 2009. Book Chapter: Roswell Park Cancer Institute Video Manual of Robotic Surgery. Ileal neobladder. Khurshid A. Guru 2009

Emergencies in continent urinary diversion: Martin Schumacher, Fiona C. Burkhard, Urs E. Studer. Department of Urology, University of Bern, Bern, Switzerland 2005. Book chapter: Emergencies in Urology, M. Hohenfellner and R. A. Santucci, Springer Verlag 2007

Lymph node dissection in prostate cancer: Fiona C. Burkhard, Martin Schumacher, Urs E. Studer. Department of Urology, University of Bern, Bern, Switzerland 2006; Book chapter: Prostate cancer: Principles and practice, Roger Kirby 2006

The Role of Lymphadenectomy in Prostate cancer: Fiona C. Burkhard, Martin Schumacher, Urs E. Studer. Department of Urology, University of Bern, Bern, Switzerland 2005
Book chapter: Prostate cancer: Principles and practice, Roger Kirby 2005

Wie verhindere ich Komplikationen nach orthotoper Harnableitung. M. Schumacher, U. E. Studer. Urologische Universitätsklinik, Bern, Schweiz 2005
Buchbeitrag: „Komplikationen in der Urologie“ Band 2, Steinkopff Verlag, Darmstadt 2005

Ileale Neoblase nach Studer. U.E. Studer, M. Schumacher, H-J. Danuser, E.J. Zingg.
Buchbeitrag: Albers, Heidenreich, Leyh: Urologische Standardoperationen, George Thieme Verlag, 2005

J. Editorial comment

Technique of kidney transplantation in the mouse with antireflux urinary reconstruction. Paulo N. Martins. International Braz J Urol 2006, Vol 32(6): 713-720 - comment by Martin C. Schumacher pp: 719-720

Infomed-screen Mai/Juni – Jahrgang 15 / Nummer 3: **Behavioral Therapy With or Without Biofeedback and Pelvic Floor Electrical Stimulation for Persistent Postprostatectomy Incontinence.** Goode PS et al. JAMA 2011. January; 305:151-9. - comment by Martin C. Schumacher pp: 17.

K. Published Abstracts

2017:

Collins JW, Hosseini A, Adding C, Nyberg T, Koupparis A, Rowe E, Perry M, Issa R, **Schumacher MC**, Wijburg C, Canda AE, Balbay M, Decaestecker K, Schwentner C, Stenzl A, Pokupić S, Edeling S, D'Hondt F, Mottrie A, Wiklund PN. **PE75 - A multi-centre review of neoadjuvant chemotherapy administration rates related to Robotic-assisted Radical Cystectomy and the impact on pathological staging.** Eur Urol. Suppl 2017 Sept

2016:

Hosseini A, Collins J.W, Adding C, Nyberg T, Koupparis A, Rowe E, Perry M, Issa R, **Schumacher M**, Wijburg C, Canda A.E, Balbay M, Decaestecker K, Schwentner C, Stenzl A, Edeling S, Pokupić S, D'hondt F, Mottrie A, Wiklund N.P.**PE14 - Oncological outcomes of totally intracorporeal robot-assisted radical cystectomy: Results from the European Association of Urology Robotic Urology Section (ERUS) scientific working group.** Eur Urol. Suppl Volume 15, Issue 7, September 2016, Page 232

Collins J., Hosseini A., Adding C., Nyberg T, Koupparis A., Rowe E., Perry M., Issa R., **Schumacher M**, Wijburg C., Guru K., Canda A.E., Balbay M.D., Decaestecker K., Schwentner C., Stenzl A., Edeling S., Pokupić S., Mottrie A., Wiklund P. **What is the evidence for unusual recurrence patterns following totally intracorporeal robotic-assisted radical cystectomy? Results from the EAU Robotic Urology Section (ERUS) Scientific Working Group.** Eur Urol Suppl 2016;15(3);e625

Collins J., Hosseini A., Adding C., Nyberg T, Koupparis A., Rowe E., Perry M., Issa R., **Schumacher M**, Wijburg C., Guru K., Canda A.E., Balbay M.D., Decaestecker K., Schwentner C., Stenzl A., Edeling S., Pokupić S., Mottrie A., Wiklund P. **Early recurrence patterns following totally intracorporeal robotic-assisted radical cystectomy: Updates from the European Association of Urology Robotic Urology Section (ERUS) scientific working group.** Eur Urol Suppl 2016 Volume 15, Issue 7, Page 231

2015:

J.W. Collins, A. Hosseini, C. Adding, T. Nyberg, A. Koupparis, E. Rowe, M. Perry, R. Issa, , **M.C. Schumacher**, C. Wijburg, A.E. Canda, M.D. Balbay, K. Decaestecker, C. Schwentner, A. Stenzl, S. Edeling, S. Pokupić, K. Guru, A. Mottrie, N.P. Wiklund. **Early recurrence patterns following totally intracorporeal Robotic-assisted Radical Cystectomy: Results from the EAU Robotic Urology Section (ERUS) Scientific Working Group.** ERUS 2015, September 15 – 17 September, Bilbao, Spain.

2014:

S. Tyritzis, J. Collins, P. Sooriakumaran, T. Nyberg, M. Jonsson, C. Adding, M. Schumacher, N.P. Wiklund, A. Hosseini. **YJ05: Standardized reporting of the overall success of robot-assisted radical cystectomy with totally intracorporeal neobladder diversion: The neobladder (nb) pentafecta concept.** ERUS 2014, September 17 – 19th. Amsterdam, The Netherlands

2012:

Eva Radecka ¹, Martin C. Schumacher ^{2,3}, Magnus Hellström ², Jacobsson H ¹, Anders Sundin. **11C-Acetate Positron Emission Tomography / Computerized Tomography imaging for prostate cancer lymph node staging; comparison with pathologic findings after lymphadenectomy.** SIU 2012, September 30 to October 4th. Fukuoka Japan.

2011:

Martin C. Schumacher, Eva Radecka, Magnus Hellström, Anders Sundin. **PET/CT med 11C-acetat vid misstanke om lymfkörtelspridning vid prostatacancer.** Urologidagarna 28-30 September 2011 i Uppsala, Sweden.

Amir Sherif, Eva Radecka, Mudhar N.Hasan, Sarab Shabo, Per Marits, Mona Karlsson, Magnus Thörn, Martin C. Schumacher, Ola Wingqvist. **CT-evaluation of the first eighteen patients with advanced urothelial urinary bladder cancer scheduled to undergo T-cell based adoptive immunotherapy.** EAU 2011

Jonsson M.N., Schumacher M.C., Hosseini A., Adding C., Nilsson A.E., Carlsson S., Wiklund N.P. **Oncologic outcome after robot-assisted radical cystectomy with intracorporeal urinary diversion technique.** EAU 2011

2010:

Andreas E. Nilsson, Martin C. Schumacher, Stefan Carlsson, Tommy Nyberg, N. Peter Wiklund, Gunnar Steineck. **Age at surgery, educational level and long-term urinary incontinence after radical prostatectomy.** ERUS Bordeaux 2010

Nilsson A.E., Schumacher M.C., Carlsson S., Steineck G.N., Wiklund N.P. **Age at surgery and educational level affects long-term urinary incontinence after radical prostatectomy.** EAU 2010

Jonsson M.N., Schumacher M.C., Hosseini A., Thorstenson A., Nilsson A.E., Wiklund N.P. **Robot-assisted radical cystectomy with intracorporeal urinary diversion in patients with bladder cancer - oncological and functional results.** EAU 2010

2009:

Andreas Thorstenson, Martin N. Johnsson, Lars Henningsohn, Abolofazi Hosseini, Martin Schumacher, N. Peter Wiklund and Hans Wijkström. **Timing of Complications after Radical Cystectomy for Bladder Cancer.** SIU 2009

Jonsson MN, Schumacher MC, Hosseini A, Thorstenson A, Haendler L, Nilsson AE, Carlsson S, Wiklund NP. Robot-assisted radical cystectomy with totally intracorporeal urinary diversion in patients with transitional cell carcinoma of the bladder. EAU 2009

Schumacher M.C., Holmäng S., Davidsson T., Friedrich B., Pedersen J., Wiklund N.P. **Transurethral resection of non-muscle-invasive bladder transitional cell cancers with or without 5-ALA under visible and fluorescent light – Multicenter Phase III clinical trial.** EAU 2009

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Schumacher M.C., Holmäng S., Davidsson T., Friedrich B., Pedersen J., Wiklund N.P. **Transurethral resection of non-muscle-invasive bladder transitional cell cancers with or without 5-ALA under visible and fluorescent light – Multicenter Phase III clinical trial.** AUA 2009

2008:

Schumacher MC, Thorstenson A, Wiklund P, Larsson P, Wijkström H, Onelöv E, Steineck G. **Long-term follow-up in patients with T1 transitional cell bladder neoplasms: results from a population-based study.** EAU 2008

Schumacher MC, Thorstenson A, Wiklund P, Larsson P, Wijkström H, Onelöv E, Steineck G. **Long-term follow-up in patients with T1 transitional cell bladder neoplasms: results from a population-based study.** AUA 2008

Schumacher MC, Ryk C, Seddighzadeh M, Tribukait B, Wiklund P, Onelöv E, Steineck G, de Verdier PJ. **Urinary bladder neoplasms; at least four different types, clinically as well as micro pathologically.** EAU 2008

Schumacher MC, Danuser H, Burkhard FC, Frey F*, Studer UE. **Long-term results in renal transplant patients with vesico-ureteral reflux and recurrent urinary tract infections treated with re-ureterocystoneostomy using the Lich-Grégoir technique.** EAU 2008

2006:

Heidenreich A, Ohlmann C, Engelmann U, Schumacher M, Studer U. E.

Partin tables do not adequately predict the risk of lymph node involvement in patients undergoing radical prostatectomy for clinically localised prostate cancer. EAU 2006

Giannarini G, Schumacher M, Bitton A., Fleischmann A. , Studer U. E.

Management of transitional cell carcinoma of the distal ureter: can elective organ-sparing surgery be advised? AUA 2006, J Urol 2006, Vol 174, No 4, Suppl May (83)

Schumacher M., Burkhard F. C., Fleischmann A., Studer U. E.

When performing extended lymph node dissection, twice the number of positive nodes were removed than with limited lymph node dissection in patients undergoing radical prostatectomy. AUA 2006, J Urol 2006, Vol 174, No 4, Suppl May (1601)

Schumacher M., Scholz M., Thalmann G. N., Burkhard F.C., Fleischmann A., Studer U.E.

Is there an indication for frozen section analysis of the ureteral margin during cystectomy for transitional cell carcinoma of the bladder? AUA 2006, J Urol 2006, Vol 174, No 4, Suppl May (1244)

Schumacher M., Burkhard F. C., Kessler Th., Studer U. E.

Specific complications with ileal orthotopic bladder substitutes: How to avoid to treat them. AUA 2006, J Urol 2006, Vol 174, No 4, Suppl May (149)

Schumacher M.; Scholz M.; Thalmann G.N.; Burkhard F.C.; Markwalder R.; Studer U.E.

Ist der Ureter-Schnellschnitt bei der radikalen Zystektomie beim invasiven Urothelkarzinom notwendig? DGU 2006: V 19.3

Schumacher M.; Giannarini G.; Thalmann G.N.; Fleischmann A.; Studer U.E. **Urothelkarzinome des distalen Ureters – darf eine nierenerhaltende Operation durchgeführt werden?** DGU 2006: V 19.4

2005:

Burkhard F., Schumacher M., Markwalder R., Studer U.E.

The “low risk” patient with prostate cancer – truth or myth? Eur Urol Suppl. 4 (Nr. 3): Abstract 25, 2005

Schumacher M., Kurtz F., Schmutz R., Studer U.E., Danuser H.

Higher treatment efficacy with the HM3 or treatment comfort with the Modulith SLX for urinary stones: what would the patient choose? J Urol vol. 173 Nr. 4: Abstract 1686, 2005

Kessler T.M., Danuser H., Schumacher M., Studer U.E., Burkhard F.C.

Botulinum A toxin injections into the detrusor: An effective treatment in idiopathic and neurogenic detrusor overactivity? J Urol vol. 173 Nr. 4: Abstract 1123, 2005

Schumacher M., Frey F., Studer U.E., Danuser H.

Re-Ureterocystoneostomy using the Lich-Gregoir technique in renal transplanted patients presenting with vesico-ureteral reflux and recurrent urinary tract infections J Urol vol. 173 Nr. 4: Abstract 1550, 2005

Pasch A, Bonny O, Eisenberger U, Schumacher M, Frey FJ.

Bone density is inversely related to 1,25-Vitamin D3 levels during low calcium diet in stone formers. ASN 2005

2004:

Schumacher M., Vogt B., Frey F., Studer U.E. Danuser H.

Re-Ureterocystoneostomy using the Lich-Gregoir technique in renal transplantated patients presenting with vesico-ureteral reflux and recurrent urinary tract infections. Eur Urol Suppl. 3 (Nr. 2): Abstract 6, 2004

Schumacher M., Burkhard F., Markwalder R., Studer U.E.

Lymph node metastases in patients with prostate cancer and with a PSA >10ng/ml?. Eur Urol Suppl. 3 (Nr. 2): Abstract 57, 2004

Schumacher M., Burkhard F., Markwalder R., Studer U.E.

How important is the removal of the internal iliac lymph nodes in patients undergoing radical prostatectomy? Eur Urol Suppl. 3 (Nr. 2): Abstract 59, 2004

Z'Brun S., Schumacher M., Studer U.E., Hochreiter W.

Chronic prostatitis – a nationwide survey of all urologists in Switzerland. Eur Urol Suppl. 3 (Nr. 2): Abstract 816, 2004

2003:

Gerber R., Nitz C., Schumacher M., Studer U.E., Danuser H.

Spiral-JJ-stent versus standard-JJ-stent in patients with medium size renal stones treated by ESWL: which stent works better? A prospectively randomised trial. Eur Urol Suppl. 2 (Nr. 1): Abstract 46, 2003

Danuser H., Schmutz R., Widmer Ch., Schumacher M., Gerber R., Studer U.E.

How important are the media between the shockwave source and the patient for the efficacy of ESWL? J Urol vol. 169 Nr. 4 Supplement: Abstract 1828, 2003

Schumacher M., Unrau J., Gerber R., Schmutz R., Studer U.E., Danuser H.

ESWL of urinary stones: higher treatment efficacy with the HM3 or more patient comfort with the Modulith SLX: what would the patient choose? J Urol vol. 169 Nr. 4 Supplement: Abstract 1840, 2003

2002:

Schumacher M., Madersbacher St., Thalmann G.N., Markwalder R., Studer U.E.

Radikale Zystektomie mit ausgedehnter pelviner Lymphadenektomie beim invasiven Blasenkarzinom ermöglicht eine niedrige Lokalrezidivrate. Urologe A 41 (Suppl. 1): V6.2, 2002

Schumacher M., Madersbacher St., Burkhard F., Studer U.E.

Funktionelle Langzeitergebnisse nach ilealer Ersatzblase mit einem afferenten tubulären Segment. Urologe A 41 (Suppl. 1): V14.3, 2002

1999:

M. Schumacher, P.Petropoulos.

La Fundoplicature selon Nissen-Rossetti: Apropos de 100 cas. SGC Kongress Davos 1999

L. Oral Presentations at National & International Congresses & Chairmanship

1. Schweizerische Gesellschaft für Urologie (SGU) 2002 – Lausanne – Lymphadenectomy in prostate cancer
2. Deutsche Gesellschaft für Urologie (DGU) 2002 – Wiesbaden – Lymphadenectomy in bladder cancer
3. Schweizerische Gesellschaft für Urologie (SGU) 2003 – Lugano – Lymphadenectomy in prostate cancer
4. European Association of Urology (EAU) 2004 – Vienna – Prostate cancer and renal transplantation
5. Schweizerische Gesellschaft für Urologie (SGU) 2004 Geneva – Prostate cancer and renal transplantation
6. Advances and controversies in Urological Oncology, 2004 – Erice, Italy – Prostate cancer
7. American Association of Urology (AUA) 2005 – San Antonio – Prostate cancer and renal transplantation
8. American Association of Urology (AUA) 2006 – Atlanta – Prostate cancer and cystectomy
9. Deutsche Gesellschaft für Urologie (DGU) 2006 – Hamburg – Ureter tumors and cystectomy
10. Swedish Urology Association (SUF) 2007 – Stockholm – Vice Chairman Prostate cancer session
11. European Association of Urology (EAU) 2008 – Milano – Vice Chairman Prostate cancer session
12. European Association of Endoscopic Surgery (EAES) 2008 – Stockholm – Robot-assisted radical prostatectomy
13. Masterclass Surgery 10/2008 - Stockholm – Prostate cancer and lymphadenectomy
14. European Association of Urology (EAU) 2009 – Stockholm – Chairman Prostate cancer session
15. American Association of Urology (AUA) 2009 – Chicago – Bladder cancer
16. 5th Nordic Course in Urological Oncology, 12. - 15.October 2009 - Stockholm - (Bladder cancer)
17. European Association of Urology (EAU) 2010 – Barcelona – (Chairman Prostate cancer session)
18. Nordic Uro-Oncology Meeting - Bladder cancer - Copenhagen, Denmark, 17th of June 2010 (Extended lymphadenectomy at radical cystectomy)
19. Prostate Cancer: Screening, Prevention and Therapy - Lessons learnt from Current Trials, WHO International Consultation, September 8 - 10, 2010, Stockholm Sweden (Co-Chairman Natural history of prostate cancer, active surveillance)

20. 2nd SPCG Trial meeting (Scandinavian Prostate Cancer Group), Johannesburg Castle, September 30 - October 1, 2010, Stockholm, Sweden (Robotic radical prostatectomy - here to stay?)
21. European Association of Urology (EAU) 2011 – Vienna – Chairman Prostate cancer session
22. ERUS Masterclass Robotic cystectomy 2011 - Stockholm, Sweden - Chairman and oral presentations on pelvic lymph node dissection at cystectomy (in general and robotic approach)
23. European Association of medical Oncology (ESMO - ESO) 2019 – Oral presentation on clinically localized prostate cancer, Berlin Germany

M. Presentations, Meetings on various Urological topics

Cardio-Renal Invited Speaker Seminar Program, March 16th 2001, Room H3454, University of Newfoundland, St John's, Canada: **Blood pressure and 11-beta-hydroxy steroid dehydrogenase.** Martin C. Schumacher, MD.

Von Hippel-Lindau Informationsveranstaltung, 26. April 2003, Seehotel Waldstätterhof, Brunnen, Schweiz: **Behandlung von Nieren- und Nebennierentumoren**, OA Martin C. Schumacher.

Fortbildungsveranstaltung 15. Februar 2005, Tiefenauspital, Bern, Schweiz: **Moderne Behandlung des Nierensteinleidens.** OA Martin C. Schumacher.

Collège International de Chirurgiens, Assemblée annuelle Section Suisse, 22. Octobre 2005, Ecole d'Ingénieurs Fribourg, Suisse: **Traumatologie aus der Sicht des Urologen.** OA Martin C. Schumacher.

Fortbildungsveranstaltung 10. Januar 2006, Regionalspital Burgdorf, Schweiz: **Laparoskopie in der Urologie: Wo und wann soll man? Wo und wann muss man?** OA Martin C. Schumacher.

Teaching course for Ph.D students, May 30th 2007, Karolinska University Hospital, Stockholm Sweden. **Dietary lipids and cancer risk: Epidemiologic evidence?** Martin C. Schumacher, MD.

Talk for the Minister of Health from Irak, Dr. Salih Mahdi Al-Hasnawi, April 23rd 2009, Karolinska University Hospital, Stockholm Sweden. **Centralisation improves outcome in advanced bladder cancer.** Martin C. Schumacher, MD.

Urologiskt Nätverksmöte: Tema Blåscancer (Urologists Stockholm), May 31st 2010, Stockholm, Sweden. Martin C. Schumacher, MD.

N. Teacher Nurses School (Ausbildungszentrum Inselspital, AZI) Bern

Regular teaching courses (25 – 30 hours a year) for nurses from 11/2002 to 06/2006.

The annual course comprised the following topics: Pathophysiology of the kidneys, urinary tract and urinary bladder. Renal stones, diagnosis and treatment. Kidney tumors. Prostate pathologies such as BPH / LUTS and prostatitis. Diagnosis and treatment options for prostate cancer. Bladder cancer, its treatment, including an overview on urinary diversions. External genitalia. Sexually transmitted diseases. Management of patients with indwelling catheters, suprapubic catheter, nephrostomy tubes, ureteric stents.

O. Presentations for Nurses

Fortbildungsveranstaltung Pflege, Urologischer Workshop, 17. November 2003, Kantonsspital Aarau, Aarau, Schweiz. **Nierensteine: Ursache, Diagnose und Therapie.** Martin C. Schumacher.

Advanced training for operative nurses and anesthesiologists at C-Op at the Karolinska University Hospital, Stockholm, Sweden, October 8, 2010: **Presentation on radical cystectomy and urinary diversion.**

P. Teacher for Medical students (Faculty of Medicine, Inselspital, Bern)

Regular teaching courses for medical students "**Clinical Skills training**" (10 - 20 hours a year) from 2002 to 2006.

SK 2 Kurs, 30. Juni 2005, Inselspital Bern, Schweiz: **Urologische Tumore (Nierentumore, Blasen- und Urothelkarzinome, Hodentumore, Peniskarzinom),** OA Martin C. Schumacher.

Examinator Staatsexamen 1. Teil, Praktische Prüfung (OSCE), 3. Jahreskurs 04/2005 Humanmedizin, Inselspital Universität Bern, Schweiz: **Abdomenuntersuchung, Nierenkolik,** OA Martin C. Schumacher.

Q. Teacher for Medical students (Faculty of Medicine, Karolinska, Stockholm)

Regular teaching courses for medical students 2009 - 2010: Topic bladder cancer

5th Nordic Course in Urologic Oncology: 12 - 15th October 2009: Topic bladder cancer

**Bladder Cancer Day at the Karolinska Hospital for all Urologists in training in Stockholm County:
4th December 2009**

R. Postgraduate surgical and other courses attended

Mikrochirurgiekurs Teil I / Teil II, Inselspital University of Bern, Switzerland: March 1999 and November 1999

Fachkunde Tierversuche bestätigt, Amt für Landwirtschaft des Kantons Bern und Veterinärdienst am 27.3.2000, Bern Switzerland

Transplantation Operative Procedures, OP-Center Gross-Dölln, Germany: 25.9.2000 - 29.9.2000

Operative Techniken: Sektion Laparoskopie und Endourologie, Zürich: 25.3.2002 - 26.3.2002

Minimally Invasive Operating Techniques in Urology, Hamburg: 9.9.2002 - 12.9.2002

Laparoscopy, retroperitoneoscopy, Laser and Endourology, Heilbronn: 2.12.2002 - 6.12.2002

A selection of topics in anaesthesia for urologic procedures, 16. Berner Anästhesiesymposium, Inselspital University of Bern, Switzerland, September 3rd 2003

Managementgrundlagen-Curriculum für Ärztinnen und Ärzte, Inselspital University of Bern: 29.8.2003 – 6.12.2003

International Training course “Different techniques of nephrectomy”, Tuttlingen: 26.1.2004 - 27.1.2004

Strahlenschutz und Röntgentechnik für Ärzte (Lehrgang A), Paul Scherrer Institute (PSI), Villigen, Switzerland: Diplom 10.9.2004

Fachtagung GCP – Good Clinical Practice, Inselspital University of Bern, Switzerland, 26. January 2006

Symposium “Roboter-assistierte Chirurgie”, Department of Urology, University of Zürich, 3. February 2006

Robotic Surgery Meeting (ERUS), Karolinska University Hospital, Stockholm, Sweden, 7.9.2006 – 9.9.2006

An integration of qualitative and quantitative methods in studying cancer survivors to refine radiotherapy, nursing care or surgery. The hierarchical step model for causation of bias. (Professor Gunnar Steineck), Vaxholm, Sweden, 29.5.2007 - 30.5.2007

Prostate cancer: Presentations by Prof. Patrick Walsh and Prof. Robert Myers. November 29th 2007, Stockholm, Sweden.

Bladder cancer from Pathogenesis to Prevention (WHO), Stockholm, Sweden, 24.4.2008 – 26.4.2008

Ultrasound guided prostate biopsy. Karolinska University Hospital, Stockholm, Sweden, 11.2.2010 – 12.2.2010

Regular multidisciplinary research meetings on ongoing research projects at the Department of Oncology and Pathology, Clinical Cancer Epidemiology, at the Karolinska University Hospital (Solna) together with the Department of Urology at Karolinska University Hospital. March 2007 - December 2010.

4. Deutsches Robotisches Urologie Symposium. Da Vinci Live-Op. 7. - 8. Dezember 2012, Mainz, Germany

S. Current Research projects

Dietary fatty acids and prostate cancer risk. Basic research project focusing on different fatty acids in human prostate specimens (benign and malignant tissues) as possible risk factors for the development of prostate cancer.

Fatty acid synthase (FAS) a possible prognostic marker in patients with prostate cancer. Currently FAS is tested in prostate specimens harbouring benign tissue, PIN (low, high grade) and cancer tissue.

Development of a non-invasive method, multiplex methylation specific PCR (MMSP), for early diagnosis of prostate cancer. Basic research project using urine samples in patients undergoing radical prostatectomy for the diagnosis of prostate cancer cells.

Long-term follow-up study on clinical outcome in patients with bladder cancer. Population-based study of bladder cancer patients operated in Stockholm 1995-1996. Clinical study.

T. Editorial board

From 01/2010 to 12/2011 member of the editorial group of "**The Orion Pharma Journal of Urology**". Journal distributed in Scandinavia (Sweden, Norway and Denmark).

Since 07/2012 member of the editorial group of "**the World Journal of Clinical Urology (WJCU)**".

U. Reviewer Activities

Journal of Urology

Since 2005 reviewer for the American Journal of Urology in the following topics: prostate and bladder cancer.

European Journal Urology:

Since 2006 reviewer for the European Journal of Urology in the following topics: prostate and bladder cancer.

International Journal of Urology:

Since 2011 reviewer for the International Journal of Urology in the following topics: prostate and bladder cancer.

V. Sabbatical

Research project on **salt-sensitivity in hypertension in renal-transplanted rodents** together with Professor Van Vliet, Division of Basic Medical Sciences, Faculty of Medicine, Memorial University of **Newfoundland, Canada**. (4 weeks) August 2010.

W. Member of the WHO Collaborating Center for Urologic Tumors, Stockholm

The WHO Collaborating Center for Urologic Tumors is a section of the Karolinska Institute and the Karolinska University Hospital, Stockholm. It is supported by the King Gustaf V Jubilee Fund.
<http://www.whocenterforurologictumors.ki.se/>

Switzerland, 29th of April 2019

Dr. med. Martin C. Schumacher