

Curriculum vitae**PD Dr. med. et phil. Vanessa M. Banz Wüthrich****Personal Information**

Date of Birth 30.05.1977
Nationality Swiss-Belgian
Marital status Married, three sons
Mother tongue English, Swiss German, Flemish
Other languages German and French (fluent), Italian (basic)
Work Address Department of Visceral Surgery and Medicine
Inselspital, University Hospital Bern, Switzerland
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Professional experience

April 2016- Bern University Hospital, University of Bern, Switzerland,
Department for Visceral Surgery and Medicine
Position: Staff surgeon (Leitende Ärztin)

Oct 2010- Mar 2016 Bern University Hospital, University of Bern, Switzerland,
Department for Visceral Surgery and Medicine
Position: Staff surgeon (Oberärztin)

Oct 2009- Sep 2010 Hepatopancreaticobiliary and Liver Transplant Unit, Queen Elizabeth
Hospital Birmingham, United Kingdom
Position: Staff surgeon (Specialist registrar)

Oct 2008- Sep 2009 Liver Research Group, Professor Adams, Institute of Biomedical
Research, University of Birmingham, United Kingdom
Position: Research fellow

Jun 2006- Sep 2008 Bern University Hospital, University of Bern, Switzerland,
Department for Visceral Surgery and Medicine
Position: Resident in surgery

Jan 2004- Dec 2005 Kantonsspital Luzern, Switzerland
Department of General Surgery
Position: Resident in surgery

Vanessa Banz
Jan 2002- Dec 2003

Kantonsspital Olten, Switzerland
Department of General Surgery
Resident in surgery

Curriculum vitae

Position:

Surgical certification

2016	Schwerpunkt Viszeralchirurgie
2015	Venia docendi / Habilitation
2010	MD PhD
2008	Facharzt FMH Chirurgie
2005	Medical thesis (Promotion)
2001	Federal medical diploma, Faculty of Medicine, University Basel
1995-2001	Medical School, University of Basel and Paris, Switzerland/France

Board Memberships

Since 2015	Swiss Transplant Cohort Study (STCS)
2010 - 2015	Swissknife (Editorial Board)

Memberships

Since 2015	Swiss Society of Thoracoscopic and Laparoscopic Surgery (SALTC)
Since 2012	Swiss Transplantation Society
Since 2008	European Association for the Study of Liver Diseases (EASL)
Since 2008	European Organization for Organ Transplantation (ESOT)
Since 2005	Swiss Surgical Society (SGC / SSC)

Publications

Original articles

- 1 Beldi G, Bisch-Knaden S, **Banz V**, Mühlemann K, Candinas D Impact of intraoperative behavior on surgical site infections.
Am J Surg. 2009 Aug;198(2):157-62.
- 2 **Banz V**, Studer P, Inderbitzin D, Candinas D.
Validation of the estimation of physiologic ability and surgical stress (E-PASS) score in liver surgery.
World J Surg. 2009 Jun;33(6):1259-65.
- 3 **Banz V**, Inderbitzin D, Fankhauser R, Studer P, Candinas D.

- Long-term quality of life after hepatic resection: health is not simply the absence of disease.
World J Surg. 2009 Jul;33(7):1473-80.
- 4 **Banz V**, Medová M, Keogh A, Furer C, Zimmer Y, Candinas D, Stroka D.
Hsp90 transcriptionally and post-translationally regulates the expression of NDRG1 and maintains the stability of its modifying kinase GSK3beta.
Biochim Biophys Acta. 2009 Oct;1793(10):1597-603.
- 5 **Banz V**, Butt MU, Zimmermann H, Jeger V, Exadaktylos AK.
Free abdominal fluid without obvious solid organ injury upon CT imaging: an actual problem or simply over-diagnosing?
J Trauma Manag Outcomes. 2009 Dec 15;3:10.
- 6 Patsenker E, Wilkens L, **Banz V**, Osterreicher CH, Weimann R, Eisele S, Keogh A, Stroka D, Zimmermann A, Stickel F.
The alphavbeta6 integrin is a highly specific immunohistochemical marker for cholangiocarcinoma.
J Hepatol. 2010 Mar;52(3):362-9.
- 7 **Banz V**, Christen B, Paul K, Martinolli L, Candinas D, Zimmermann H, Exadaktylos AK.
Gender, age and ethnic aspects of analgesia in acute abdominal pain: is analgesia even across the groups?
Intern Med J. 2012 Mar;42(3):281-8
- 8 **Banz V**, Sperisen O, de Moya M, Zimmermann H, Candinas D, Mouggiakakou SG, Exadaktylos AK.
A 5-year follow up of patients discharged with non-specific abdominal pain: out of sight, out of mind?
Intern Med J. 2012 Apr;42(4):395-401.
- 9 **Banz V**, Paul K, de Moya M, Zimmermann H, Candinas D, Exadaktylos AK.
Ignoring non-specific abdominal pain in emergency department patients may be related to decreased quality of life. A follow up of an underestimated problem.
Swiss Med Wkly. 2011 Feb 18;141
- 10 Deyle S¹, **Banz V**¹, Wagner M, Becker K, Inderbitzin D, Gloor B, Candinas D.
Estimation of physiologic ability and surgical stress score does not predict immediate outcome after pancreatic surgery.
Pancreas. 2011 Jul;40(5):723-9
- ¹ **both authors contributed equally to the publication**
- 11 **Banz V**, Gsponer T, Candinas D, Güller U.
Population-based analysis of 4113 patients with acute cholecystitis: defining the optimal time-point for laparoscopic cholecystectomy.
Ann Surg. 2011 Dec;254(6):964-70.
- 12 Maeder MB, Germann S, **Banz V**, Amsler F, Driscoll P, Zimmermann H, Exadaktylos AK.
Swiss multidisciplinary and multilingual experience of the Advanced Trauma Life Support course: lessons for Europe.
Eur J Emerg Med. 2012 Aug;19(4):220-5.
- 13 **Banz V**, Croagh D, Coldham C, Tanière P, Buckels J, Isaac J, Mayer D, Muiesan P, Bramhall S, Mirza DF.
Factors influencing outcome in patients undergoing portal vein resection for adenocarcinoma of the pancreas.
Eur J Surg Oncol. 2012 Jan;38(1):72-9.
- 14 Gass M, Rosella L, **Banz V**, Candinas D, Güller U.
Bilateral total extraperitoneal inguinal hernia repair (TEP) has outcomes similar to those for unilateral TEP: population-based analysis of prospective data of 6,505 patients.
Surg Endosc. 2012 May;26(5):1364-8.
- 15 Tabbara M, Evangelopoulos N, Raio L, **Banz V**, Zimmermann H, Kim-Fuchs C, Exadaktylos AK.
Transvaginal ultrasound in fertile patients with suspected appendicitis: an experience report of current practice.
Emerg Med Int. 2012;2012:481797.
- 16 Oo YH¹, **Banz V**¹, Kavanagh D, Liaskou E, Withers DR, Humphreys E, Reynolds GM, Lee-Turner L, Kalia

N, Hubscher SG, Klenerman P, Eksteen B, Adams DH.

CXCR3-dependent recruitment and CCR6-mediated positioning of Th-17 cells in the inflamed liver.

J Hepatol. 2012 Nov;57(5):1044-51.

¹ **both authors contributed equally to the publication**

17 Gass M, **Banz V**, Rosella L, Adamina M, Candinas D, Güller U.

TAPP or TEP? Population-based analysis of prospective data on 4,552 patients undergoing endoscopic inguinal hernia repair.

World J Surg. 2012 Dec;36(12):2782-6.

18 Galli R, **Banz V**, Fenner H, Metzger J.

Laparoscopic approach in perforated appendicitis: increased incidence of surgical site infection?

Surg Endosc. 2013 Aug;27(8):2928-33.

19 Malinka T¹, **Banz V**¹, Wagner J, Candinas D, Inderbitzin D.

Incision length for kidney transplantation does not influence short- or long-term outcome: a prospective randomized controlled trial.

Clin Transplant. 2013 Sep;27(5):E538-45

¹ **both authors contributed equally to the publication**

20 Marinoni I, Kurrer AS, Vassella E, Dettmer M, Rudolph T, **Banz V**, Hunger F, Pasquinelli S, Speel EJ, Perren A.

Loss of DAXX and ATRX are Associated with Chromosome Instability and Reduced Survival of Patients with Pancreatic Neuroendocrine Tumors.

Gastroenterology. 2013 Oct 19.

21 VCAM-1 expression by biliary epithelium promotes persistence of inflammation by inhibiting effector T cell apoptosis.

Afford SC, Humphreys EH, Reid DT, Russell CL, **Banz V**, Oo Y, Vo T, Jenne C, Adams DH, Eksteen B.

Hepatology. 2013 Dec 12.

22 Factors affecting screening for hepatocellular carcinoma.

Al Hasani F, Knoepfli M, Gemperli A, Kollar A, **Banz V**, Kettenbach J, Jüni P, Dufour JF.

Ann Hepatol. 2014 Mar-Apr;13(2):204-10.

23 Laparoscopically assisted ventriculoperitoneal shunt placement: a prospective randomized controlled trial

Schucht P¹, **Banz V**¹, Trochsler M, Iff S, Krähenbühl A, Reinert M, Beck J, Raabe A, Candinas D

J Neurosurg. 2015 May;122(5):1058-67

¹ **both authors contributed equally to the publication**

24 A novel ultrasound-based registration for Image-guided laparoscopic liver ablation

Fusaglia M, Tinguely P, **Banz V**, Weber S, Lu H

Surg Innov. 2016 Aug;23(4):397-406

25 Intraoperative image-guided navigation system: development and applicability in 65 patients undergoing liver surgery

Banz V, Müller P, Tinguely P, Inderbitzin D, Ribes D, Peterhans M, Candinas D, Weber S

Langenbecks Arch Surg. 2016 Jun;401(4):495-502

26 Effect of music on surgical hand disinfection: a video-based intervention study

Gautschi N, Marschall J, Candinas D, **Banz V**

J Hosp Infect. 2017 Apr;95(4):352-354

27 Automated low-flow ascites pump for the treatment of cirrhotic patients with refractory ascites

Stirnemann G, **Banz V**, Storni F, De Gottardi A

Therap Adv Gastroenterol 2017 Feb;10(2):383-292

28 Laparoscopic image-based navigation for microwave ablation of liver tumors- A multi-center study

Tinguely P, Fusaglia M, Freedman J, **Banz V**, Weber S, Candinas D, Nilsson H

Surg Endosc. 2017 Mar;24

29 Presence of bone marrow micro-metastases in stage I-III colon cancer patients is associated with worse disease-free and overall survival

Viehl C, Weixler B, Güller U, Dell-Kuster S, Rosenthal R, Ramser M, **Banz V**, Langer I, Terracciona L,

Sauter G, Oertli D, Zuber M
Cancer Med. 2017 Apr;12

- 30 A sustaining rod increases necrosis of loop ileostomies: a randomized controlled trial
Zindel J, Gyax C, Studer P, Kauper M, Candinas D, **Banz V**¹, Brügger L¹
Int J Colorectal Dis. 2017 Apr;19

¹ **both authors contributed equally to the publication**

Case Reports

- 1 **Banz V**, Mahler K, Treumann T, Metzger J.
Image of the month. Choledochal cyst, Todani type I.
Arch Surg. 2007 Oct;142(10):1007-8
- 2 **Banz V**, Olliff S, Taniere P, Mayer D, Isaac J.
Liver tumours in patients with Abernethy malformation.
ANZ J Surg. 2011 Sep;81(9):640-1
- 3 Stroka D, Keogh A, Vu D, Fort A, Stoffel M, Kühni-Boghenbor K, Furer C, **Banz V**, Demarmels Biasutti F, Lämmle B, Candinas D, Nerman-Arbez M
In vitro rescue of FGA deletion by lentiviral transduction of an afibrinogenemic patient's hepatocytes
J Thromb Haemost. 2014 Nov;12(11):1874-9
- 4 **Banz V**, Baechtold M, Weber S, Peterhans M, Inderbitzin D, Candinas D
Computer planned, image-guided combined resection and ablation for bilobar colorectal liver metastases
World J Gastroenterol. 2014 Oct;28;20(40):14992-6

Letters to the Editor

- 1 **Banz V**, Gsponer T, Candinas D, Güller U.
Reply to: Population-Based Analysis of 4113 Patients With Acute Cholecystitis: Defining the Optimal Time Point for Laparoscopic Cholecystectomy. Ann Surg. 2012 Dec 14.

Book chapters / Reviews

- 1 Schnueriger B, Vorburger SA, **Banz V**, Schoepfer AM, Candinas D.
Diagnosis and management of the symptomatic duodenal diverticulum: a case series and a short review of the literature.
J Gastrointest Surg. 2008 Sep;12(9):1571-6
- 2 **Banz V**, Candinas D.
Imaging for hepato-pancreatico-biliary diseases - a short review.
Ther Umsch. 2009 Jan;66(1):31-8.
- 3 **Banz V**, Jürg Metzger, Bernhard Schüssler
Textbook of Female Urology and Urogynecology Linda Cardazo and David Staskin, 2nd Edition 2006, 3rd Edition 2009
Book Chapter 80, Combined genital and rectal prolapse
- 4 **Banz V**, Jakob SM, Inderbitzin D.
Review article: improving outcome after major surgery: pathophysiological considerations.
Anesth Analg. 2011 May;112(5):1147-55
- 5 **Banz V**, Daniel Inderbitzin, Daniel Candinas
Textbook for Surgical Fellows in Training, Switzerland 2012 / 2013

- 6 **Banz V**, Peterhans M, Ribes D, Daniel Candinas, Stefan Weber
Newer Technologies in Hepatopancreaticobiliary Surgery, Elsevier ECAB Clinical Update: Surgical Gastroenterology and Liver Transplantation, Samiran Nundy and Raj Prasad, 2012
Intra-operative Image Guidance in Liver Surgery
- 7 Peterhans M, Oliveira T, **Banz V**, Candinas D, Weber S.
Computer-assisted liver surgery: clinical applications and technological trends.
Crit Rev Biomed Eng. 2012;40(3):199-220.

Awards / prizes

- 1) Video presentation, SGC, Lausanne 06/2007
"Surgical Technique of Laparoscopic Transgastric Pancreatico-Gastrostomy in Severe Acute Pancreatitis".
Award: SGC Prize for the best Video (CHF 5000)
- 2) Intraoperative hygiene measures and rates of surgical infections in general surgery (CHF 5000)
- 3) Award: JF de Quervain Prize for the best clinical trial 2008, Clinical trials unit Bern. Diverting loop ileostomy: rod versus no rod, a multicentre, randomised, controlled trial (CHF 25'000)
- 4) EAES Karl Storz Award for the best oral presentation, 06/2010
Population-based analysis of 4'113 patients with acute cholecystitis: defining the optimal time-point for laparoscopic cholecystectomy (2500 Euro)
- 5) ELITA Young investigator award, ELITA-ELTR Meeting 02/2011. Indications for and survival after liver retransplantation in Europe: evaluation of the last 28 years (500 Euro)
- 6) ESOT City of Glasgow Travel Grants 09/2011
Second and subsequent liver retransplants in Europe: are we justified to continue? (500 Euro)
- 7) Heuberger Winterthur Jungunternehmerpreis, 2.Rang, 12/2011 (50'000 CHF)
Computer assisted liver surgery
- 8) Prize from the Association of Research in Surgery, SGC, 05/2014 (1250 CHF)
- 9) Young Investigator Bursary for Jacopo Gavini, HCC Summit, EASL, 02/2017 (650 Euro)
Verteporfin potentiates the anti-tumor effect of Sorafenib by inhibiting hepatocellular carcinoma progression through interfering with the autophagic flux

Funding

- 1) SNF, project no. 123134. Stipendium für angehende Forschende. 10/2008-09/2009 Titel: The role of the Th17 axis in human liver allograft rejection.

SNF, project no. 064848	10/2001 - 09/2004	Quality of life evaluation comparing ileocecal interposition versus Roux- prospective randomized multicentre study	137'180 CHF	Co-Applicant
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EASL Sheila Sherlock Entry Level Fellowship 2009	03/2009 - 03/2010	The molecular basis of Th17 CD4 T cell recruitment to the liver	30'000 Euro	Main applicant
SNF, project no. 139968	02/2012 - 07/2012	Computer assistierte und bildgestützte Leberchirurgie-Herausforderungen und Trends	2'000 CHF	Main applicant
Forschungs-Grant für Nachwuchs Forschende des Inselspitals	08/2013 - 08/2015	Targeting YAP1 of the Hippo pathway to control the growth of hepatocellular carcinoma	80'000 CHF	Main applicant
Bernische Krebsliga	08/2015 -aktuell	Targeting YAP for the treatment of hepatocellular carcinoma using verteporfin and Visudyne™: a promising new strategy	100'000 CHF	Main applicant