



prof. MUDr. Alexander Ferko, CSc.

Clinical leader at Bory Hospital

PERSONAL INFORMATION

Date of birth: 4. 7. 1967
Marital status: married (Hana)
Children: son Alexander (1988), daughter Marianna (1991)
Employer: Bory Hospital, Ivana Kadlečíka 2, 841 03 Bratislava, Slovak republic
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EDUCATION

- **1981-1985** Gymnasium of P. J. Šafárik in Rožňava
 - **1985-1992** Military Medical Academy of J. E. Purkyně in Hradec Králové and the Faculty of Medicine of Charles University in Hradec Králové.
 - **1992** MD. (Military Medical Academy in Hradec Králové and Medical Faculty of Charles University in Hradec Králové)
 - **1995** CSc. "Endoluminal treatment of abdominal aortic aneurysms with stent graft"
 - **1995** Level I attestation in surgery
 - **1999** Fellowship in Hepatobiliary Surgery (6 months), Dept. of Liver/Pancreas Transplantation and Hepatobiliary Surgery, Health Sciences University, Prof. Rabkin, Portland, Oregon, USA
 - **2000** BATLS course, VLA JEP Hradec Králové
 - **2000** Level II attestation in surgery
 - **2001** Associate Professor - Habilitation in Surgery, Military Medical Academy in Hradec Králové (Current status of endoluminal treatment of abdominal aortic aneurysms)
 - **2009** Professor Charles University Prague
 - **2012** Licence of the Czech Medical Chamber for the performance of the following functions: chief physician and chief medical officer
 - **2013** Board exam in Oncological Surgery
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SELECTED PROFESSIONAL COURSES AND INTERNSHIPS

- **1993** School of War Medicine, Rijeka, Croatia
- **1994** Wound Ballistics Course, Cranfield University, Great Britain
- **1996** Dept. of Liver/Pancreas Transplantation and Hepatobiliary Surgery, Oregon Health Sciences University, Portland, Oregon, USA
- **1997** Hepatobiliary School – Postgraduate Course in Hepatobiliary Surgery, International Society of Hepato-Pancreato-Biliary Surgery, Ljubljana, Slovenia
- **1997** Department of Hepatobiliary and Liver Transplant Surgery Groningen, The Netherlands
- **2001** Course - "Leadership Program in Regional Disaster Response and Trauma system Management". USAF Mobile Education Team, Hradec Králové
- **2006** Liver Surgery Course, Hammersmith Hospital, London, UK (prof. Nagy Habib)
- **2007** Open TME Masterclass, Paris, Elancourt, France
- **2007** Training Course for Laparoscopic Colorectal Surgery, Asia Endosurgery Task Force, Tokyo, Japan
- **2008** Master Class on Laparoscopic Colorectal Surgery, Ecole Européenne de Chirurgie, Paris, France
- **2008** European NOTES workshop, Erasmus, Universitait Medinische Centrum, Rotterdam, The Netherlands
- **2010** Course in laparoscopic colorectal surgery, American College of Surgeons, International Society of Laparoscopic Colorectal Surgery, Fort Lauderdale, Florida, USA
- **2011** Dept. of Surgery, University of Bordeaux, France (prof. Rullier)
- **2011** Certified Course, Endorectal Ultrasonography, Dusseldorf, Germany
- **2012** Laparoscopic Colorectal Surgery Workshop, St. Mark Hospital, London, Great Britain
- **2016** Certified Course, daVinci Robotic Surgery, EEC, Paris, France
- **2018** Certified Course on Laparoscopic pancreatic Surgery, Freiburg

OTHER SIGNIFICANT STAYS ABROAD

- **2001** Head of Department - Emergency & Accident Medicine, British-Dutch-Czech Hospital, SFOR II, MIMU Role 3, Sipovo, Bosnia & Herzegovina, 3 months
 - **2002** Deputy Commander, 11th Field Hospital, Chief Surgeon, Field Hospital, Kabul, Afghanistan, 3 months
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FUNCTIONS HELD

- **2001-2006** Head of the Department of War Surgery, Military Medical Academy, Hradec Králové. At the same time Chief Surgeon of the Army of the Czech republic
- **2006-2015** Head of the Surgical Clinic of the Hradec Králové University Hospital
- **2015-2016** Head of Department, Hepato-Pancreato-Biliary Surgery
- **2014-2015** Deputy Director of the Hradec Králové Hospital for Surgical Departments
- **2015-2016** Head of the project "Reconstruction and centralization of surgical disciplines"
- **2017 2022** Deputy Head, Surgical Clinic and Transplantation Centre, Comenius University Bratislava, Jessenius Medical Faculty, and UN Martin

TEACHING AND EDUCATIONAL ACTIVITIES

UNDERGRADUATE TEACHING

- Master's degree programme in general medicine and dentistry - surgical propedeutics, surgery, disaster medicine.

POSTGRADUATE TEACHING

- Teaching in pre-test courses
- Establishment of the Aesculap Academy in Hradec Králové in cooperation with B. Braun
- Acquisition of the "Centre of Excellence for Laparoscopic Colorectal Surgery" in cooperation with Johnson & Johnson
- Organization of Life Transmissions with the participation of foreign surgeons (Prof. Heald, Prof. Rullier, Prof. Bassani)

CLINICAL ACTIVITY

Onco-surgery with a focus on hepatopancreatobiliary surgery and colorectal surgery, laparoscopic surgery, and robotic surgery. Surgeon with erudition and clinical experience of 24 years in the field of abdominal surgery and especially onco-surgery and HPB surgery. During my clinical practice I have been involved in scientific activities and focused on the implementation of new treatment methods. In collaboration with my colleagues, I had the opportunity to present a procedure on the aorta that is cited as a priority in the world (Endovascular treatment of juxtarenal aortic aneurysms using stent graft). In collaboration with my colleagues, I have introduced many other procedures into clinical practice both nationally and at the hospital level.

MEMBERSHIP OF COMMITTEES AND COMMISSIONS

- Guarantor of the Department of Oncosurgery, Surgery (until 2016)
- In 2018 elected to the committee of the Slovak Surgical Society
- ESCP-member
- IHPBA-member
- Guarantor of the Department of Surgery of the Royal Hradec Králové Region (until 2016)
- Member of the attestation committee for the field of surgery (Ministry of Health of the Czech Republic)
- Member of the attestation committee for onco-surgery (Ministry of Health of the Czech Republic)
- Member of the approbation committee (MZ CR)
- Member of the Board of Doctoral Studies in Surgery, Charles University in Prague
- Member of the Scientific Council of the Faculty of Medicine, Charles University Hradec Králové (until 2017)
- Chairman of the State Examination Committee in the field of surgery, Faculty of Medicine, Charles University Hradec Králové (until 2017)
- Member of the editorial board of Rozhledy v chirurgii (until 2017)
- Member of the editorial board of Acta Medica, Hradec Králové
- Chairman of the SOR of the Department of Surgery, Faculty of Surgery, Charles University Hradec Králové
- Member of the Committee of the CCHS CSL JEP (2016)
- Until 2006 Chief Surgeon of the ACR
- Member of the Scientific Council of the Jessenius Medical Faculty of Charles University in Martin

SCIENTIFIC ACTIVITY AND PUBLISHING

Author and co-author of more than 100 journal articles. Author of 5 monographies, where 2 monographies were co-authored with an international team of authors. Arterial aneurysms - with the participation of Prof. Pavčnik, Portland, Dotter Institute, OHSU, USA. Jan Brunkwal and Martin Malina, Dept. of Vascular Surgery, Malmo, Sweden, prof. Hervé Rousseau, prof. Joffre, Dept. of Radiology, Angiology et Cardiovascular Surgery, Toulouse, France. The book "Principles of War Surgery" was co-authored by prof. Timothy Hoddgets and prof. P. Barker (Royal Medical Military Centre, Birmingham, UK).

PRIZES AND AWARDS

- 1998 - Minister of Health Award for Research
- 1999 - Maydl Literature Prize of the Czech Surgical Society for the year 1999 for the monograph: Arterial aneurysms. Basics of endovascular and surgical treatment
- NATO Medal for participation in the SFOR mission, 2001
- Medal of the Minister of National Defence of the Czech Republic for participation in the SFOR mission, 2001
- Medal of the Minister of National Defence of the Czech Republic for participation in ISAF, Afghanistan, 2002
- Medal of the Minister of National Defence of the Czech Republic for service abroad, 2002

CITATIONS

- 400 by WOS, 500 by SCOPUS
- H-index 16 by WOS, H-index 18, by SCOPUS

GRANT PROJECTS

- **1993-1995**
Co-investigator
TIPS using spiral Z stent
Grant No. 1463-3 of the Internal Grant Agency of the Ministry of Health.
Grant rated "A"
Spiral Z stent coated with Dacron in the endoluminal treatment of abdominal aortic aneurysm. Department of Health Internal Grant Agency. Grant No. 2685-3. **Grant rated "A"**
- **1998-2000**
Main investigator
Treatment of peripheral artery aneurysms with an endovascular device using an autologous vein-coated stent graft **Ministry of Health IGA Grant No. 4625-3.**
- **2000-2002**
Main investigator
New techniques in the treatment of liver trauma - JATRAUM.
Ministry of Defence Grant No. 03021100001.

- **2003–2005** **Co-investigator**
Justification of subcutaneous suture in surgical wound closure.
Ministry of Defence Grant No. 030111302.
 - **2005–2007** **Co-investigator**
Laparoscopic diagnosis of acute small bowel ischemia using fluorescein and ultraviolet light.
Ministry of Health Grant No. 8460-3.
 - **2005–2010** **Main investigator**
Military-medical aspects of clinical disciplines.
Research project of the Hradec Králové Faculty of Military Medicine MO 0FVZ0000503.
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SINCE 2006

- **2008–2011** **Main investigator**
Preoperative radiochemotherapy in the treatment of colon cancer.
Grant MZ IGA NS/9690-4.
 - **2008–2011** **Co-investigator**
Quality of life and medical costs in patients with pancreatic cancer
Grant MZ IGA 9998-3.
 - **2012–2015** **Main investigator**
Assessing the quality of multimodal care for patients with liver metastases from colorectal cancer in comprehensive cancer centres
Grant MZ IGA NT 13 660-4/2012
 - **2012–2015** **Main investigator**
Parametric monitoring of TME quality as a tool to limit recurrence after rectal cancer surgery
Grant MZ IGA NT/13726-4.
 - **2018–2021** Transanal reinforcement and endoluminal vacuum drainage in the prevention of colorectal anastomosis dehiscence after rectal resection: a multi-institutional prospective randomized trial
Grant MZ SR 2018/16-UKMT-12.
 - **2019–2022** Carcinoma of the rectum. Implementation of parametric indicators for the evaluation of surgical radicality. A pilot national study.
Grant MZ SR 2019/64-UKMT-3.
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APPLIED RESEARCH RESULTS

1. Czech Republic Patent PV 2465-95 (1995) - Reinforcement , X stent, basis of design of stent grafts for aortic and esophageal stents. Production started by ELLA-CZ
2. Czech Republic Patent 1995 PV 2466-9514 - Stent introducer
3. European patent - ileostomy set

Clinical application of research:

- Introduced method of endovascular treatment of aortic aneurysms - CZ priority, further introduced method in two workplaces in the Czech Republic (Na Homolce, Olomouc) and Slovenia (Maribor).
 - Introduced method of endovascular treatment of juxtarenal aneurysms, graft anchored through renal artery spacing. The introduction was considered a world priority.
 - Introduced endovascular treatment of traumatic thoracic aortic lacerations - procedure performed by Hradec Králové team in Brno
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