

## Short version of CV

### PIERRE-A. CLAVIEN, MD, PhD, FACS, FRCS

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**Date of birth:** November 23, 1957  
**Place of birth:** Geneva, Switzerland  
**Married:** 1986, Sylvie Buchs  
**Children:** Aurelia, born in Toronto, 1989  
Caroline, born in Durham, NC, 1995  
Frederic, born in Durham, NC, 1997

**Degrees:** 1976 H.S. Diploma, College of Geneva, Switzerland  
1982 M.D. Geneva Medical School, Switzerland  
1990 FMH (Swiss Board of Surgery)  
1992 Ph.D. University of Toronto, Ontario

#### Training

##### Postgraduate Training:

- MD for the International Committee of the Red Cross.  
Missions in Peru and El Salvador (Sept 1982-March 1983)
- Residency in Surgery (1983-1988)  
Department of Surgery. Hospital of Morges, Switzerland, Department of Surgery, University Hospital of Basel, Department of Surgery. University Hospital of Geneva.
- HPB-Liver Transplantation Fellowship (1992-1993), Toronto General Hospital sick children

##### Research Training:

Ph.D. program at the University of Toronto (July 1989-June 1992). Supervisor: SM Strasberg

#### Clinical and Academic Appointments:

Clinical Associate, Liver Transplantation/ Hepatobiliary Surgery Toronto General Hospital & Hospital for Sick Children, University of Toronto (July-Dec. 1993)  
Assistant Professor of Surgery, Department of Thoracic and General Surgery  
Duke University, Durham, North Carolina. (Jan 1994-1997)  
Director Liver Transplantation Program, Department of Thoracic and General Surgery  
Duke University Medical Center. Durham, North Carolina (Jan 1994-2000)  
Associate Professor of Surgery, Department of Thoracic and General Surgery Duke University,  
Durham, North Carolina (1997-1999)  
Chief Hepatobiliary Surgery, Department of Thoracic and General Surgery, Duke University,  
Durham, North Carolina (Feb 1996-June 2000)  
Director, Division of Transplantation, Department of Thoracic and General Surgery, Duke University,  
Durham, North Carolina (Jan. 1997-June 2000)  
Full Professor (Tenured) Dept of Thoracic and General Surgery Duke University, Durham, North  
Carolina (June 1999-present)  
Professor and Chairman, Dept of Visceral- and Transplant Surgery, University Hospital of Zurich,  
Switzerland (May 2000-present)

#### Special Appointments:

Associate Editor: Liver Transplantation and Surgery (2000-2004); Journal of Hepatology (2004-present), Annals of Surgery 2004 (ESA issue), American Journal of Transplantation (2005-present)

Editorial Boards: Gastroenterology, Hepatology, Transplantation, Surgery, Current Opinion in Organ Transplantation, Advances in Gastroenterology, Hepatology, & Nutrition, Hepato-Gastroenterology, HPB Surgery, World Journal of Surgery, Der Chirurg, Annals of Surgery

**National and International Committees:** >40

Council European section of International Hepato-Pancreato-Biliary Association (E-IHPBA 2001-present)  
Council International Hepato-Pancreato-Biliary Association (IHPBA 2002-present)  
Member International Surgical Group (ISG) (2003-present)  
Council The British Journal of Surgery Society (BJS) (2003-present)  
Council of the National Institute of Research of Switzerland (SNF) (2004-present)  
Secretary General European Surgical Association (ESA) (2004-present)  
Secretary General European Hepato-Pancreato-Biliary Association (2005-present)

**Honors and Awards:** >20

**Research Funding, more than 17 major competitive grants including:**

- NIH, R1. Mechanisms of endothelial cell death in the ischemic liver. PI: P-A Clavien. (\$980'000) 1997-2004
- SWISS NATIONAL FUNDS. Receptors in hepatic ischemia. PI: P-A Clavien. (\$ 750'000) 2000-2005 and (\$ 540'000) 2005-2008.

**Publications**

Over 200 journal articles on hepatobiliary surgery; 30 book chapters; and 5 books as Editor, 1 Atlas of surgery (in preparation).

Major contributions:

- Clavien P-A, Sanabria J, Strasberg SM. Proposed classification of complications of surgery with examples of utility in cholecystectomy. **Surgery** 1992;111:518-526.
- Clavien P-A, Sanabria J, Mentha G, Borst F, Buhler L, Roche B, Tibshirani R, Rohner A, Strasberg SM. Recent results of elective open cholecystectomy in a North American and a European center. Comparison of complications and risk factors. **Ann Surg** 1992; 216:618-626.
- Weber M, Dindo D, Demartines N, Ambühl PM, Clavien P-A. Kidney transplantation from donors without a heartbeat. **N Engl J Med** 2002, 347: 248-255.
- Dindo D, Müller MK, Weber M, Clavien P-A. Obesity in general elective surgery: **Lancet** 2003, 361:2032-2035.
- Kohli V, Gao W, Camargo Jr CA, Clavien PA. Calpain is a mediator of preservation-reperfusion injury in rat liver transplantation. **Proceedings of the National Academy of Science of USA (PNAS)**. 1997;94: 9354-9359.
- Clavien P.A, Camargo CA, Langer B, Levy GA, Greig PD. Definition and classification of negative outcomes in organ transplantation. Application in liver transplantation. What's new in "General Surgery" section. **Ann Surg** 1994: 220: 109-120. (Original and Leading Article)
- Gao W, Washington MK, Bentley RC, Clavien P-A. Antiangiogenic agents protect liver sinusoidal lining cells from cold preservation injury in rat liver transplantation. **Gastroenterology**. 1997;113: 1692-1700.
- Gao W, Bentley RC, Madden J, Clavien P-A. Apoptosis of sinusoidal endothelial cells is a critical mechanism of preservation injury in rat liver transplantation. **Hepatology**. 1998; 27: 6: 1652-1660.
- Sindram D, Porte RJ, Hoffman MR, Bentley RC, Clavien P-A. Synergism between platelets and leukocytes in inducing endothelial cell apoptosis in the cold ischemic rat liver: a Kupffer cell mediated injury. **The FASEB Journal** 2001; 15:1230-1232.
- Rüdiger HA, Clavien P-A. Tumor necrosis factor  $\alpha$ , but not FAS, mediates hepatocellular apoptosis in the murine ischemic liver. **Gastroenterology** 2002, 122: 202-210.
- Selzner N, Selzner M, Odermatt B, Tian Y, Van Rooijen N, Clavien P-A. ICAM-1 triggers liver regeneration through leukocyte recruitment and Kupffer cell-dependent release of TNF- $\alpha$ /IL-6 in mice. **Gastroenterology** 2003, 124:692-700.
- Clavien P-A, Rüdiger HA, Selzner M, Kadry Z, Graf R. A prospective randomized study of ischemic preconditioning in 100 consecutive patients undergoing major liver resection under inflow occlusion. **Ann Surg** 2003, 238:843-852.

- Dindo D, Demartines N, Clavien P-A. Classification of surgical complications: A new proposal with evaluation in a cohort of 6336 patients and results of a survey. **Ann Surg** 2004, 240:205-213.
- Selzner M, Hany TF, Wildbrett P, McCormack L, Kadry Z, Clavien P-A. Does the novel PET/CT imaging modality impact on the treatment of patients with metastatic colorectal cancer to the liver? **Ann Surg** 2004; 240:1027-34.
- Selzner N, Selzner M, Graf R, Ungethuem U, Fitz JG, Clavien P-A. Water induces autocrine stimulation of tumor cell killing through ATP release and P2 receptor binding. **Cell Death and Differentiation** 2004, 1-9.
- Lesurtel M, Graf R, Aleil B, Walther DJ, Tian Y, Jochum W, Gachet Ch, Bader M, Clavien P-A. Platelet-derived serotonin mediates liver regeneration. **Science** 2006, 312:104-7.
- Tian Y, Jochum W, Georgiev P, Moritz W, Graf R, Clavien P-A. Kupffer cell dependent TNF- $\alpha$  signaling mediates injury in the arterialized small-for-size liver transplantation in the mouse. **Proceedings of the National Academy of Science of USA (PNAS)** 2006, 103:4598-4603.