

CURRICULUM VITAE (Synthesis)

**Prof. UMBERTO CILLO – MD – FEBS, Professor of General Surgery
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Date of birth: June 27th, 1962
Place of birth: Padua, Italy

CAREER, EDUCATION and TRAINING

- Since November 2011: Full Professor of General Surgery and Director of the Hepatobiliary Surgery and Liver Transplantation Unit, Department of Surgical, Oncological and Gastroenterological Sciences, University of Padua, Padua - Italy.
- 2004 - 2011: Associate Professor and Director and Director of the Hepatobiliary Surgery and Liver Transplantation Unit, Department of Surgical, Oncological and Gastroenterological Sciences, University of Padua, Padua - Italy
- 2002-2004: Associate Professor of General Surgery, University of Padua, Italy.
- 1998-2002: Research Professor, Surgical Clinic I, Department of General Surgery and Organ Transplantation, University of Padua, Italy
- Since 1999 Supervisor of the Research Lab, Surgical Clinic I Department of General Surgery and Organ Transplantation, University of Padua, Italy
- 1992-1998: Attending Physician at the Institute of Surgical Clinic I Department of General Surgery and Organ Transplantation, University of Padua, Italy
- 1994: Residency in Emergency Surgery at the University of Padua (cum laude).

- 1990-1992: Research Associate in Transplantation at the University of Pittsburgh (Pennsylvania - USA) - School of Medicine, Institute of Transplantation, directed by Prof. Thomas E. Starzl, Supervisor John J. Fung.
- 1990: Visiting Fellow at the Institute of Internal Medicine of the University of Monaco (Germany) (Supervisor: Prof. U. Sauerbruch): focus on biliary lithotripsy.
- 1989: M.D. Degree at Padova University, School of Medicine (cum laude)

MEMBERSHIPS and INSTITUTIONAL APPOINTMENTS

- Since 2017 President of the Italian Society of Organ and Tissue Transplantation (S.I.T.O.)
- Member of the Council of European Society for Organ Transplantation (ESOT)
- Since 2017 Member Consulta Tecnica del Centro Nazionale Trapianti
- President of ESOT Congress 2021
- 2011-2016 Coordinator of the “Italian College of Liver Transplant Surgeons”.
- Since 2016 Health Technology Assessment at the Padova University, Member
- 2016 Observatory for Teaching and Clinical Networks University of Padova School of Medicine, Member
- 2011-2015 Coordinator of the I-BELT (Italian Board of Experts in the FIELD of Liver Transplantation)
- Since 2014 Coordinator of the Clinical Management Guideline Group for Hepatobiliary Tumors, Oncologic Network - Regione Veneto – Italy
- Since 2014 Coordinator PDTA Tumor liver and biliary tree, Veneto
- Since 2014 Scientific Commission for the evaluation of the anti HCV direct acting DAA of the Italian Superior for Institute Health (I.S.S.), Member
- Since 2013 Coordinator of the Research and Development Commission, Department of Surgical Oncological and Gastroenterological Sciences, School of Medicine University of Padua
- Since 2013 President of the *no profit* Association “30 Nodi per il fegato – Onlus”
- Since 2007 Italian Representative in the European Board of Surgery, Division of Transplantation of the UEMS.
- Since 2003 PhD Teaching Committee “Surgical and Technological Applications”, University of Padua, Member
- 2009-2013 Council Member of the Italian Foundation for Research in Hepatology (F.I.R.E.)
- 2008-2010 Council Member of the Italian Society of Organ and Tissue Transplantation (S.I.T.O.)

- 2006-2009 Council Member of the Italian Association for Study of the Liver (A.I.S.F.)
- 2004-2007 Relationships with Public and Private Institutions, School of Medicine-University of Padua, Member
- 2004 2006 Italian Study Group on Living Donor. Liver Transplantation of the Italian Association for Liver Study A.I.S.F., Member
- 2004-2006 Study Group on Hepatocyte Transplantation, North Italy Transplant program, Milan, Member.
- 2003-2005 General Secretary of the “Triveneta Surgical Society”
- 1996-2004 deputy-Secretary of the Italian Society of Surgical Pathophysiology (SIFIPAC)
- 2000-2002 Coordinator for the Solid Organ Transplantation Group – Italian Society of Young Surgeons *SPGC*.
- Member of a number of National and International Medical Scientific Societies (International Liver Transplant Society - Membership Committee (2013-14 – ILTS; European Society for Organ Transplantation ESOT; International Hepato-pancreato-biliary Association IHPBA; AISF; SITO; SIC; NITp; SICE; SICU).

RESEARCH

First author or co-author of 273 ISI publications, 4 Monographs on liver transplantation and Hepato-Pancreatic-Biliary Surgery, 18 Chapters.

The TOTAL Impact factor (JCR) is 1213,626

H-index 40 (Scopus)

The H- index is 48 (Google Scholar)

SCIENTIFIC INTERESTS

- Hepatocarcinoma (clinical and molecular-biological prognostic factors, liquid biopsy, Transplantation and therapeutic benefit, downstaging for LT, laproscopic resection and ablation, recurrence stratification and management)
- Organ allocation in Liver Transplantation (Equity, allocation scoring systems)
- Colo-rectal methastases (Liver Transplantation, chemiohyperthermia, two stage innovative approaches)
- Cholangiocarcinoma (prognostic factors, resection in intermediate/advanced cases, Liver transplantation)
- Immunosuppressive therapy (new immunosuppressors, minimization, tolerance)
- Ischemia-Reperfusion (normo-hypothermic machine perfusion, total hepatic vascular exclusion in the pig and small animal models)

- Hepatic Regeneration (signal transduction, GH-IGF axis)
- Virtual Hepatic Reality (hepatic reconstruction and pre-operative planning, virtual reality in hepatic laparoscopic surgery)
- Tissue Engineering (scaffolds) and mesenchymal stem cell physiology

PECULIAR SCIENTIFIC COMPETENCES

- Principal or Co-investigator in 36 multicentric national and international scientific studies since 2008 (all clinical trials were conducted according to the ICH/GCP requirements and project promoters specific standards)
- received fundings from Padova University, National Center for Transplantation, MIUR, Veneto Region and European Community
- He coordinated since 2011 to 2015 the liver allocation remodeling in Italy through a process including 4 methodologically stringent consensus conferences and a public appraisal. The result of the process is the present liver allocation model active in Italy since January 2016 based on a new scoring system (ISO score) and a blended principle approach (Cillo et al. Am J of Tr, 2015).
- He was part of the national scientific board that produced the Italian guidelines for the clinical management of patients with Hepatocellular Carcinoma (2015 and 2017)
- Prof Cillo coordinated the Region Veneto commission for the clinical management algorithm of patients with hepato-biliary tumors, in the context of the regional oncologic network.

EDITORIAL ACTIVITY

- Member of the Editorial Board of Digestive and Liver Diseases, International Journal of Hepatology, Update in Surgery and Fatti e Cifre.
- Associate Editor of International Journal of Gastrointestinal Cancer,
- Referee for Scientific International Journals: Annals Surgery, Hepatology, J. of Hepatology, Liver Transplantation, American Journal of Transplantation, Transplant International, Tissue Engineering.

TEACHING

- Chair: General Surgery, years V-VI (2011-2018);
- Clinical Methodology and Semeiotics, year IV (2017);
- Medical and Surgical Specialities (2017); School of Medicine - Padova University
- Chair: General Surgery, year II (2012-2018), Residency in General Surgery - Padova University
- Chair: "Liver Transplantation Surgery" (2012-2017), Residency in General Surgery University of Padua.

- Chairs: “Surgical Anatomy”, “Perioperative Treatment”, “Abdominal Organ Transplantation” year II and III (1999-2004), Residency in General Surgery - University of Padua.
- Chair: General Surgery, year II (2004-2008), Residency in Anesthesiology and Intensive Care - Padova University
- Chair: General and Specialized Surgery, year II (2017), Nurse Degree Course – Rovigo, Padova University
- Member of the Teaching Committee at the PhD Courses: “Medical- Surgical and Experimental Sciences”, “Research and Technological Applications in Surgery” and later “Hepatology and Hepatobiliary Surgery and Transplantation” (2003-2017)
- Since 2014: Lecturer for the Master Degree in Medicine and Surgery and for the 5th and 6th year of Residency in General Surgery, School of Medicine – Padua University
- Prof Cillo since 2013 is Director of an International Course on harvesting and preservation techniques for solid organ transplantation “the Donor Course” endorsed by the Italian National Center for Transplantation, ESOT and UEMS.
- He organized a number of National courses on Transplantation and Hepatobiliary Surgery

CLINICAL EXPERIENCE

- Prof Cillo has performed as first surgeon or as tutor over 900 liver transplantations in the adult settings, including split, auxiliary and LDLT.
- He also performed as first surgeon or tutor more than 100 pediatric liver transplants (30% <10 kg)
- He regularly performs interventions of hepatobiliary and pancreatic surgery including major procedures with a particular attitude to the laparoscopic approach (liver resections and ablations - more than 1500 interventions of middle/major hepatobiliary surgery as first surgeon in the last 10 years).
- First to perform auxiliary liver transplants in Italy (2007) and to succeed nationally in the autotransplantation of the liver (ex situ/ex situ liver resections -10 cases performed with no perioperative mortality)
- Prof Cillo leads since 2004 a high volume Liver Transplant and Hepatobiliary Surgery Center in Italy
- AGENAS (National Agency for Health Regional Services) reported that in 2015 (last report) the Padova University Hepatobiliary and Liver Transplant Unit classified first in Italy for number of hepatobiliary oncologic surgical interventions.

July 9th 2018

