



## Alberto Arezzo

### OFFICE

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## Profile

General Surgeon and Digestive Endoscopists for operative procedures, mainly dedicated to clinical activity, with an academic role and deeply involved in several research projects sponsored by the European Commission and private companies.

## Experience

### ASSISTANT PROFESSOR OF SURGERY, UNIVERSITY OF TUEBINGEN, GERMANY - 1997 - 1999

Scientist at the Section for Minimally Invasive Surgery at the Eberhart Karls University of Tuebingen, Germany, Dir. Prof. Med. Gerhard Buess, pioneer of endoscopic surgery. There he learned tips and tricks of laparoscopy and was educated to Transanal Endoscopic Microsurgery directly from the inventor as mentor. Tuebingen was also an unique environment to be introduced to an international top level research activity, mainly in the field of development of new technologies. In order to report results of research activities he learned how to write a scientific paper, producing in few years a consistent number of relevant papers in international journals.

### ASSISTANT SURGEON, ASL I LIGURIA, ITALY - 1999 - 2004

where he consolidated experience in endoscopic surgery with more than a thousand procedures, including emergencies. There he established a new Dept. of Digestive Endoscopy, training colleagues and nurses. At the same time he performed about 20.000 ultra-sound exams.

### ASSISTANT SURGEON, EVANGELIC INTERNATIONAL HOSPITAL, GENOA, ITALY - 2004 - 2007

where he led the Dept. of Endoscopic Surgery with more than a thousand procedures, including emergencies. He participated to the activity of the Service of Digestive Endoscopy, mainly performing operative procedures, such as difficult polypectomies, mucosectomies (EMR), endoscopic submucosal dissections (ESD), bleeding control by bipolar coagulation or Ovesco clip application and stenting for unresectable esophageal and colorectal cancers. At the same time he performed another 10.000 ultra-sound exams.

### ASSISTANT PROFESSOR OF SURGERY, UNIVERSITY OF TURIN, ITALY - 2007 - 2014

where, at the Dept. of Surgical Sciences, Dir. Prof. Mario Morino, pioneer of endoscopic surgery, he is covering a special role for Endoscopic Surgery. Till now he performed more than a thousand procedures, mainly colorectal surgery, open, laparoscopic and transanal, including emergencies. He is considered an international expert in the field of proctology and Transanal Endoscopic Microsurgery. Other fields of interest and clinical activity are gall bladder and biliary tract, liver, stomach and esophago-gastric junction, spleen, small bowel, adrenal glands. He is participating to the activity of the Service of Digestive Endoscopy, mainly performing operative procedures, such as difficult polypectomies, mucosectomies (EMR), endoscopic submucosal dissections (ESD), bleeding control by band ligation, glue injection, sclerosis agents injection or Ovesco clip application and stenting for unresectable esophageal and colorectal cancers, even when obstructing the bowel. He is regularly on duty as a young fellow in the Emergency room and Digestive Endoscopist.

### ASSOCIATE PROFESSOR OF SURGERY, UNIVERSITY OF TURIN, ITALY - 2014 - TODAY

On October 1st 2014 he became Associate Professor of Surgery, at the same Dept. of Surgical Sciences, Dir. Prof. Mario Morino., covering the same duties, plus regularly on duty as a senior fellow in the Emergency room and Digestive Endoscopist.

## Academic

### ASSISTANT PROFESSOR OF SURGERY, UNIVERSITY OF TUEBINGEN, GERMANY - 1997 - 1999

where he worked as Faculty and Tutor of the courses of Advanced Laparoscopic Surgery and Transanal Endoscopic Microsurgery at the Training Center, Dir. Prof. Med. Gerhard Buess.

### ASSOCIATE PROFESSOR OF SURGERY, UNIVERSITY OF TURIN, ITALY - 2007 - TODAY

where, at the Dept. of Surgical Sciences, Dir. Prof. Mario Morino, he is Teacher of Emergency Surgery at the VI year of the School of Medicine, since his settlement. Similarly he is teacher and tutor of courses at the School of Surgery, such as Scientific English, Surgical Anatomy and Digestive Surgery. He is the Vice-Coordinator of the PhD Course in Technology Applied to Surgical Sciences, a 3 years international course training surgeons of different specialties to research activity in novel technology development. He is member of the PhD Course in Biotechnology and Surgical Sciences, a 3 years international course training surgeons of different specialties to research activity in novel technology development, in conjunction with the Politecnico di Torino, the local University School of Engineering. He is Faculty and Tutor of the II Level University Master course in Advanced Laparoscopy for MDs. He is Coordinator, Faculty and Tutor of the II Level University Master course in Operative



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Digestive Endoscopy for MDs. He is Coordinator, Faculty and Tutor of the I Level University Master course in Digestive Endoscopy for nurses.

Since 1.11.07 he was qualified as Assistant Professor of Surgery.

Since 1.11.08 he was qualified as Aggregate Professor of Surgery.

Since 1.10.14 he was qualified as Associate Professor of Surgery.

## Research

- in 1997 discussed a thesis on robotics and positioning systems for endoscopic surgery at the University of Tuebingen, at the end of a technology development of several prototypes in partnership with the Karlsruhe Nuclear Research Center (Germany) named ARTEMIS (7 DoF robot manipulator), FIPS (4 DoF remote controlled optic positioning system) and TISKA (4 DoF passive retractor positioning system) later acquired by Karl Storz Endoskope (Tuttlingen) for further development and marketing
- since 1997 partner of several different projects in the field of flexible endoscopy with Boston Scientific, Microvasive Endoscopy (Boston, MA, USA) on endoluminal GERD treatment, colonic large polyps resection, endoluminal clips and stapling
- 1997-1999 main investigator of a research project on robotics in endoscopic surgery with Karl Storz Endoskope GmbH (Tuttlingen, Germany)
- 1997-1999 coordinator of a Research Project on Gastro Esophageal Reflux with Willy Ruesch GmbH (Kernen, Germany)
- since 1999 coordinator of a Research Project on robotics in endoscopic surgery with the National Forschung Zentrum Karlsruhe and Innomedic company (Germany)
- since 2003 partner of OVESCO GmbH, (Tuebingen, Germany) for the 2test and clinical employment of a new large nitinol clip for flexible endoscopy.
- from 1.12.01 to 30.11.03 partner of an international consortium for a Research Project named CLEANTEST on Cleaning, sterilization and design of instruments for endoscopic surgery sponsored by the European Community within the V TMR (FP5).
- from 1.3.2002 Consultant for Boston Scientific Microvasive Endoscopy (Boston, MA, USA)
- since 1.9.2003 Consultant for Ethicon Endosurgery (Johnson & Johnson Medical) Italy
- 2003 - 2005 Consultant for Bbraun Aesculap (Tuttlingen, Germany) for the development and clinical trial of ENDOFREEZE (4 DoF passive retractor positioning system)
- since 1.5.2005 Consultant for Johnson & Johnson Medical Europe, Inscope Division
- since 1.09.06 partner of an international consortium for a Research Project named VECTOR on development of a robotic capsule for GI endoscopy sponsored by the European Community, sponsored by the European Community within the VI TMR (FP6) for a total of 9.000.000 euros of contribution.
- since 2006 partner of several different projects in the field of flexible endoscopy with NOVINEON GmbH (Tuebingen, Germany) with special regards to Endoluminal Flexible Surgery and NOTES.
- since 1.3.09 Coordinator of the ESCO-study (Endoscopic Stenting for Colonic Obstruction), international multicenter randomized controlled trial sponsored by the European Association for Endoscopic Surgery ([www.escostudy.zapto.org](http://www.escostudy.zapto.org))
- since 1.09.2009 Consultant for Johnson & Johnson Medical Europe, Titan project
- since 1.4.2010 Consultant for Bbraun Aesculap, (Tuttlingen, Germany)
- since 1.6.2011 Coordinator of the MUSIC-study (MULTI-PORT VS. SINGLE-PORT CHOLECYSTECTOMY), international multicenter randomized controlled trial sponsored by the European Association for Endoscopic Surgery with a research grant of 50.000 euros ([www.music.world.it](http://www.music.world.it))
- since 1.09.2011 Consultant for Johnson & Johnson Medical USA, Gemini project
- since 1.10.2011 Coordinator of the *Polymeric films and magnetic forces for gallbladder retraction during a fully transluminal cholecystectomy* sponsored by the EURONOTES FOUNDATION with a research grant of 20.000 euros
- since 1.1.2012 partner of an international consortium for a Research Project named STIFF-FLOP on STIFFness controllable Flexible and Learn-able Manipulator for surgical OPERations sponsored by the European Community within the VII TMR (FP7), as scientific responsible both for the University of Turin and the European Association for Endoscopic Surgery, for a total of 7.350.000 euros of contribution.
- since 1.3.2012 Coordinator of the TEMENDO-study (Transanal Endoscopic Microsurgery vs. ENDOscopic Submucosal Dissection for large rectal adenomas), international multicenter randomized controlled trial sponsored by the European Association for Endoscopic Surgery ([www.temendo.zapto.org](http://www.temendo.zapto.org))
- since 1.11.2014 Consultant for Bbraun GmbH, Germany
- since 1.03.2015 Consultant for Teleflex Medical, Morrisville, NC, USA



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## International Patents

- A miniature robotic device applicable to a flexible endoscope for the surgical dissection of gastro-intestinal tract surface neoplasms (WO 2014147556 A1)
- A connecting device for creating an anastomosis between a hollow organ and a conduit (WO 2013004263 A1)
- A device for transluminal diversion of bile (WO 2012007044 A1)
- System and method for modifying the location at which biliopancreatic secretions interact with the gastrointestinal tract (WO 2012007050 A1)

## Scientific Societies activity

He is currently member of

- UEG, United European Gastroenterology
- EAES, European Association for Endoscopic Surgery
- SMIT, Society for Medical Innovation and Technology
- ESGE, European Society for Gastrointestinal Endoscopy
- ASGE, American Society for Gastrointestinal Endoscopy
- ESCP, European Society for ColoProctology
- ECTA, Eurasian Colorectal Technology Association
- EATS, European Association for Transluminal Surgery
- SICE, Italian Society for Endoscopic Surgery
- SIED, Italian Society for Digestive Endoscopy
- SICCR, Italian Society for ColoRectal Surgery
- SICTECA, Italian Society of Technologic and Computer Assisted Surgery

He is member of the UEG e-learning Task Force

He is member of the UEG Future Trends Committee

He is member of Technology Committee of the EAES

He is member of the Board of the SMIT

He is coordinator of the EURONOTES Clinical Registry ([www.euronotes.world.it](http://www.euronotes.world.it))

He is responsible of the ECTA website ([www.ectamed.org](http://www.ectamed.org))

He is responsible of the SIED website ([www.sied.it](http://www.sied.it))

He is responsible of the SICCR videolibrary ([www.siccr.org](http://www.siccr.org))

He is responsible of the SICCR Laparoscopy and Endoscopy Section

## Journals activity

He was former Assistant Editor of the Journal Techniques in Coloproctology, Springer Verlag Ed., official journal of ECTA and SICCR, IF 2.0

He is currently member of the Editorial Board of Surgical Endoscopy, Springer Verlag Ed., official journal of SAGES & EAES, IF 3.2

He is currently member of the Editorial Board of Minimally Invasive Therapy and Allied Technologies (MITAT), Taylor & Francis Ed., official journal of SMIT, IF 1.1

He is currently member of the Editorial Board of the UEG Journal, SAGE Ed., official journal of UEG, IF 2.1

He is currently member of the Editorial Board of the World Journal of Gastrointestinal Surgery

He is reviewer of the Journals:

- Annals of Surgery
- Gastrointestinal Endoscopy
- Endoscopy
- British Journal of Surgery
- Surgical Endoscopy
- Techniques in Coloproctology
- Minimally Invasive Therapy and Allied Technologies (MITAT)
- Colorectal Disease



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## Education

- University of Genoa, Italy - Degree Medical School cum laude 1992
- University of Genoa, Italy / University of Tuebingen, Germany - Degree School of Surgery cum laude 1997

## Prizes

- 1991 & 1992 Fellowship of the Italian Secretariat of Students in Medicine (SISM)
- 1993 Prize "Ettore Ruggeri" of the Italian Society of Surgery (SIC)
- 1996 Fellowship of the Deutscher Akademischer Austausch Dienst (DAAD)
- 1998 Prize of the European Association of Endoscopic Surgery (EAES)
- 1999 Prize City of San Remo, for a Lecture on Coloproctology
- 1999 Research Fellowship of Karl Storz Endoskope, for a study on robotics
- 1999 Prize "Paride Stefanini" of the Italian Society of Endoscopic Surgery (SICE)
- 2010 Research Grant of the European Association of Endoscopic Surgery (EAES)
- 2010 Research Grant of the EURONOTES Foundation
- 2011 Prize of the European Association of Endoscopic Surgery (EAES)
- 2012 Prize of the Technology Committee of the European Association of Endoscopic Surgery (EAES)
- 2012 Olympus Prize of the European Association of Endoscopic Surgery (EAES)
- 2012 Prize Life Sciences - Italian Venture Capitalist FORUM
- 2013 Prize of the START UP Company Challenge Piedmont, Italy

## Stages, Congresses and Courses

- 13 Stages, 8 in foreign departments
- 198 Congresses, 91 International
- 70 Courses, 20 International

## Publications & Lectures

- 122 journal publications on Scopus (Scopus Author ID: 6701795382); H-index 21.
- 110 Abstract to congresses, only since 2008
- 150 Lectures and presentations at Congresses, 89 International
- 13 Video presentations to International Congresses
- 2 International Seminars

## Interests

New Technologies for Endoscopic Surgery and Flexible Endoscopy

Torino, June 1st 2015