

Curriculum Vitae

Massimiliano Bissolati , M.D.

Personal Data

Name : Massimiliano Bissolati

Date of Birth : 17-11-1983

Place of Birth: Vimercate

Citizen : Italian

Marital Status : Married

Permanent Address : Via Aristotele 21/F, Seveso (MB), Italy

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Education

1997-2002 Liceo Ginnasio Classico e di Ricerca San Raffaele, Milan
Maturità classica: 100/100 cum laude.

2002-2008 Doctor of Medicine (MD), Università Vita-Salute San Raffaele, Milan
Medical degree score: 110/110 magna cum laude.

2009-2015 Residency Program in General Surgery
Università Vita-Salute San Raffaele, Milan
Degree score: 70/70 cum laude.

Personal Experience

2004-2008	Internship Department of General Surgery S. Raffaele Scientific Institute Università Vita-Salute San Raffaele, Milan
2009-2015	Resident , Department of General Surgery S. Raffaele Scientific Institute Università Vita-Salute San Raffaele, Milan
2011-2014	Assistant in Emergency Room, Surgical area Surgical Department S. Raffaele Scientific Institute, Milan
October 2013	Visiting Surgeon in Gastric Cancer Surgery Division Directed by Prof. H.K. Yang Seoul National University Hospital Seoul, South Korea
2011-2021	Organ procurement team leader Transplant Unit Surgical Department S. Raffaele Scientific Institute, Milan
2015-2016	Consultant surgeon Gastrointestinal and Transplant Surgery Unit S. Raffaele Scientific Institute, Milan
2016-2018	Staff surgeon Gastrointestinal and Transplant Surgery Unit S. Raffaele Scientific Institute, Milan
2018-2021	Staff senior surgeon Transplant and Metabolic-Bariatric Surgery Unit S. Raffaele Scientific Institute, Milan
2021-present	Consultant surgeon S.C. Chirurgia II Ospedale San Gerardo, Monza
2021-present	Cornea procurement team leader Monza Eye Bank Ospedale San Gerardo, Monza

Society Membership

AISP (Associazione Italiana per lo Studio del Pancreas) 2004-2010

GIRCG (Gruppo Italiano Ricerca Cancro Gastrico) 2009-2016

Found recruitment and institutional relationship committee (2013-2016)

SIC (Società Italiana di Chirurgia) 2009-present

SICO (Società Italiana di Chirurgia Oncologica) 2009-2016

SITO (Società Italiana per i Trapianti di Organo) 2015-present

SICOB (Società Italiana Chirurgia dell'Obesità) 2021-present

Postgraduate Courses

Minimally Invasive and Endoluminal Bariatric and Metabolic Surgery

Advanced Course

IRCAD, Strasbourg University

Strasbourg, France

December 2-4, 2021

Advanced Trauma Live Support (ATLS provider)

Department of General Surgery

San Raffaele Scientific Institute

Milan, Italy

May 2009

Advanced Laparoscopic Course for Esophago-Gastric Surgery

AIMS Academy

Milan, Italy

June 2012

Advanced Laparoscopic Course for Esophago-Gastric Surgery

AIMS Academy

Milan, Italy

June 2013

Awards and Honors

Successfully passed the 2009 Foundation of Medicine examination of the National Board of Medical Examiners (NBME), with score: 717.

2010 AISP travel grant for 2011 EPC Congress for best oral presentation (XXXIV AISP Congress 2010, Peschiera del Garda, Italy): "Circulating tumor cells in resectable pancreatic cancer: 12 month follow-up for 11 patients".

Podium Presentation (CXIV SIC Congress 2012, Rome, Italy): "HER-2 expression as prognostic factor for neoadjuvant chemotherapy in gastric and esophago-gastric junction adenocarcinoma".

2014 GIRCG travel grant for 2015 IGCC for for best abstract: "Resection margins involvement in gastric and esophago-gastric junction cancer: an italian multicentre retrospective risk-factors analysis"

Best Abstract Prize (XIII San Raffaele Transplant Meeting): "Machine perfusion allows optimal graft function in case of kidney trasplantation with prolonged cold ischemia time"

Grants

Co-PI for Young Researcher (under 40 years) Ricerca Finalizzata 2019 of Ministero della salute. Project code: GR-2019-12368679. "INVESTIGATION OF CD8 T CELL-MEDIATED MECHANISMS OF INSULIN-RESISTANCE IN HUMAN OBESITY AND TYPE 2 DIABETES"

Reviewer for the following journals

- Case reports in surgery (NLM ID: 101580191)
- Tumor Biology (NLM ID: 8409922)
- Minimally invasive therapy & allied technologies (NLM ID: 9612996)
- World journal of gastroenterology (NLM ID: 100883448)
- Medicine (NLM ID: 2985248R)
- Updates in surgery (ISSN: 2038-131X)

Surgical experience as first surgeon (period 2009-present)

Bariatric surgery

- 69 surgical procedures (sleeve gastrectomy, gastric bypass, VLAGB removal)

Transplantation surgery

- 123 kideny transplantations (SKT, DKT and living donor)
- 1 simultaneous kidney-pancreas transplantation (SKP)
- 38 pancreas or kidney-pancreas procurements
- 80 kidney procurements

- >100 kidney or pancreas back-table surgery

Vascular access surgery

- 197 surgical procedures (A-V fistulas preparation, closure or revision)

Urological surgery

- 2 bilateral nephroureterectomies
- 3 ureteral anastomoses

General surgery (minor/medium surgery)

- 200 procedures (including colectomies, small bowel resections, hernioplasty, incisional hernia repair, cholecystectomy, appendectomy, proctological surgery)

Publications

- 1) Fioralba Pindoizzi, Carlo Socci, Massimiliano Bissolati, Monica Marchi, Elisabetta Devecchi, Alessandro Saibene, Caterina Conte. Role of nutritional ketosis in the improvement of metabolic parameters following bariatric surgery. 2022 Jan 15;13(1):54-64
- 2) Massimiliano Bissolati, Raffaele Cerchione, Alessia Terulla, Caterina Corsini, Yong Ha Lee, Antonio Secchi, Carlo Socci. Renal Resistance Trend During Hypothermic Machine Perfusion Correlates With Preimplantation Biopsy Score in Transplantation of Kidneys From Extended Criteria Donors. *Transplant Proc.* 2021 May 5;S0041-1345(21)00235-9.
- 3) Stefano Crippa, Giulio Belfiori, Massimiliano Bissolati, Stefano Partelli, Michele Pagnanelli, Domenico Tamburrino, Giulia Gasparini, Corrado Rubini, Giuseppe Zamboni, Massimo Falconi. Recurrence after surgical resection of pancreatic cancer: the importance of postoperative complications beyond tumor biology. *HPB (Oxford)*. 2021 Apr 20;S1365-182X(21)00104-0.
- 4) Cardellini S, Socci C, Bissolati M, Pindoizzi F, Giovanzana A, Saibene A, Bosi E, Battaglia M, Petrelli A. Enrichment of Tc1 Cells and T Cell Resistance to Suppression Are Associated With Dysglycemia in the Visceral Fat in Human Obesity. *BMJ Open Diabetes Res Care* 2020 Apr;8(1):e000772.
- 5) Bissolati M, Pindoizzi F, Guarneri G, Adamenko O, Giannone F, Mazza M, Maggi G, Rosati R, Secchi A, Socci C. Hypothermic Machine Perfusion as an Alternative to Biopsy Assessment in Transplantation of Kidneys Donated After Cardiocirculatory Death: A Pilot Study. *Transplant Proc* 2019 Nov;51(9):2890-2898.
- 6) Bissolati M, Gazzetta PG, Caldara R, Guarneri G, Adamenko O, Giannone F, Mazza M, Maggi G, Tomanin D, Rosati R, Secchi A, Socci C. Renal Resistance Trend During Hypothermic Machine Perfusion Is More Predictive of Postoperative Outcome Than Biopsy Score: Preliminary Experience in 35 Consecutive Kidney Transplantations. *Artif Organs*. 2018 Mar 30.
- 7) Rosa F, Quero G, Fiorillo C, Bissolati M, Cipollari C, Rausei S, Chiari D, Ruspi L, de Manzoni G, Costamagna G, Doglietto GB, Alfieri S. Total vs proximal gastrectomy for adenocarcinoma of the upper third of the stomach: a propensity-score-matched analysis of a multicenter western experience (On behalf of the Italian Research Group for Gastric Cancer-GIRCG). *Gastric Cancer*. 2018 Feb 8.
- 8) Stella M, Bissolati M, Gentile D, Arriciati A. Impact of surgical experience on management and outcome of pancreatic surgery performed in high- and low-volume centers. *Updates Surg.* 2017 Sep;69(3):351-358.
- 9) Crippa S, Pezzilli R, Bissolati M, Capurso G, Romano L, Brunori MP, Calculli L, Tamburrino D, Piccioli A, Ruffo G, Fave GD, Falconi M. Active Surveillance Beyond 5 Years Is Required for Presumed Branch-Duct Intraductal Papillary Mucinous Neoplasms Undergoing Non-Operative Management. *Am J Gastroenterol*. 2017 Jul;112(7):1153-1161.
- 10) Gazzetta PG, Bissolati M, Saibene A, Ghidini CGA, Guarneri G, Giannone F, Adamenko O, Secchi A, Rosati R, Socci C. Bariatric Surgery to Target Obesity in the Renal Transplant Population: Preliminary Experience in a Single Center. *Transplant Proc.* 2017 May;49(4):646-649.
- 11) Chiari D, Orsenigo E, Guarneri G, Baiocchi GL, Mazza E, Albarello L, Bissolati M, Molfino S, Staudacher C; Gruppo Italiano Ricerca Cancro Gastrico (GIRCG). Effect of neoadjuvant chemotherapy on HER-2 expression in surgically treated gastric and oesophagogastric junction carcinoma: a multicentre Italian study. *Updates Surg.* 2017 Mar;69(1):35-43.

- 12) Chiari D, Bissolati M, Gazzetta PG, Guarneri G, Tomanin D, Maffi P, Secchi A, Rosati R, Socci C. Pancreas Transplantation From Very Small Pediatric Donor Using the "Cephalic Placement" Technique: A Case Report. *Transplant Proc.* 2016 Mar;48(2):435-7.
- 13) Bissolati M, Orsenigo E, Staudacher C. Minimally invasive approach to colorectal cancer: an evidence-based analysis. *Updates Surg.* 2016 Mar 15. [Epub ahead of print]
- 14) Vignali A, Bissolati M, De Nardi P, Di Palo S, Staudacher C. Extracorporeal vs. Intracorporeal Ileocolic Stapled Anastomoses in Laparoscopic Right Colectomy: An Interim Analysis of a Randomized Clinical Trial. *J Laparoendosc Adv Surg Tech A.* 2016 Feb 26. [Epub ahead of print]
- 15) Bissolati M, Desio M, Rosa F, Rausei S, Marrelli D, Baiocchi GL, De Manzoni G, Chiari D, Guarneri G, Pacelli F, De Franco L, Molfino S, Cipollari C, Orsenigo E. Risk factor analysis for involvement of resection margins in gastric and esophagogastric junction cancer: an Italian multicenter study. *Gastric Cancer.* 2016 Jan 5. [Epub ahead of print]
- 16) Bissolati M, Orsenigo E, Staudacher C. Role of minimally invasive surgery in the treatment of diverticular disease: an evidence-based analysis. *Updates Surg.* 2015 Dec;67(4):353-65.
- 17) Jais B, Rebours V, Malleo G, Salvia R, Fontana M, Maggino L, Bassi C, Manfredi R, Moran R, Lennon AM, Zaheer A, Wolfgang C, Hruban R, Marchegiani G, Fernández Del Castillo C, Brugge W, Ha Y, Kim MH, Oh D, Hirai I, Kimura W, Jang JY, Kim SW, Jung W, Kang H, Song SY, Kang CM, Lee WJ, Crippa S, Falconi M, Gomatos I, Neoptelomos J, Milanetto AC, Sperti C, Ricci C, Casadei R, Bissolati M, Balzano G, Frigerio I, Girelli R, Delhaye M, Bernier B, Wang H, Jang KT, Song DH, Huggett MT, Oppong KW, Pererva L, Kopchak KV, Del Chiaro M, Segersvard R, Lee LS, Conwell D, Osvaldt A, Campos V, Aguero Garcete G, Napoleon B, Matsumoto I, Shinzeki M, Bolado F, Fernandez JM, Keane MG, Pereira SP, Acuna IA, Vaquero EC, Angiolini MR, Zerbi A, Tang J, Leong RW, Faccinnetto A, Morana G, Petrone MC, Arcidiacono PG, Moon JH, Choi HJ, Gill RS, Pavey D, Ouaiissi M, Sastre B, Spandre M, De Angelis CG, Rios-Vives MA, Concepcion-Martin M, Ikeura T, Okazaki K, Frulloni L, Messina O, Lévy P. Serous cystic neoplasm of the pancreas: a multinational study of 2622 patients under the auspices of the International Association of Pancreatology and European Pancreatic Club (European Study Group on Cystic Tumors of the Pancreas). *Gut.* 2016 Feb;65(2):305-12.
- 18) Bissolati M, Sandri MT, Burtulo G, Zorzino L, Balzano G, Braga M. Portal vein-circulating tumor cells predict liver metastases in patients with resectable pancreatic cancer. *Tumour Biol.* 2015 Feb;36(2):991-6.
- 19) Balzano G, Bissolati M, Boggi U, Bassi C, Zerbi A, Falconi M; AISP Study Group on Distal Pancreatectomy. *Updates Surg.* 2014 Dec;66(4):253-63.
- 20) Orsenigo E, Bissolati M, Socci C, Chiari D, Muffatti F, Nifosi J, Staudacher C. Duodenal stump fistula after gastric surgery for malignancies: a retrospective analysis of risk factors in a single centre experience. *Gastric Cancer.* 2014 Jan 8. *Gastric Cancer.* 2014 Oct;17(4):733-44.
- 21) Volonté A, Di Tomaso T, Spinelli M, Todaro M, Sanvito F, Albarello L, Bissolati M, Ghirardelli L, Orsenigo E, Ferrone S, Doglioni C, Stassi G, Dellabona P, Staudacher C, Parmiani G, Maccalli C. Cancer-Initiating Cells from Colorectal Cancer Patients Escape from T Cell-Mediated Immunosurveillance In Vitro through Membrane-Bound IL-4. *J Immunol.* 2014 Jan 1;192(1):523-32.
- 22) De Nardi P, Bissolati M, Cristallo M, Staudacher C. Recurrent giant liposarcoma of the spermatic cord. *Urology.* 2012 Jan;79(1):113-4.

- 23) Braga M, Bissolati M, Rocchetti S, Beneduce AA, Pecorelli N, Di Carlo V. Oral preoperative antioxidants in pancreatic surgery: a double-blind, randomized, pilot study. *Nutrition*. 2012 Feb;28(2):160-4.
- 24) Pupillo E, Messina P, Logroscino G, Zoccolella S, Chiò A, Calvo A, Corbo M, Lunetta C, Micheli A, Millul A, Vitelli E, Beghi E. Trauma and amyotrophic lateral sclerosis: a case-control study from a population-based registry. *Eur J Neurol*. 2012 Dec;19(12):1509-17. (Collaborator)
- 25) Beghi E, Pupillo E, Messina P, Giussani G, Chiò A, Zoccolella S, Moglia C, Corbo M, Logroscino G; EURALS Group. Coffee and amyotrophic lateral sclerosis: a possible preventive role. *Am J Epidemiol*. 2011 Nov 1;174(9):1002-8. (Collaborator)

Oral presentations

- 1) XXXIV AISP Congress 2010, Peschiera del Garda, Italy: Circulating tumor cells in resectable pancreatic cancer. (Best oral presentation).
- 2) XXXXIII Annual Meeting of the European Pancreatic Club 2011, Magdeburg, Germany: Circulating tumor cells in resectable pancreatic cancer: which prognostic role?
- 3) CXIII SIC Congress 2011, Florence, Italy: Laparoscopic implantation of gastric neurostimulator for severe diabetic gastroparesis: a clinical case.
- 4) CXIII SIC Congress 2011, Florence, Italy: Neoadjuvant-adjuvant chemotherapy with ECF or ECX biweekly regimen compared to a 3-weekly one: an efficacy-toxicity comparison in patients with gastric cancer.
- 5) CXIII SIC Congress 2011, Florence, Italy: Treatment of the adenocarcinoma of the esophago-gastric junction at a single institution.
- 6) CXIII SIC Congress 2011, Florence, Italy: Sentinel node mapping in gastric cancer.
- 7) XXXV SICO Congress 2012, Turin, Italy: Duodenal stump fistula after gastric surgery for malignancy. A retrospective analysis of risk factors in a single centre experience.
- 8) XXXV SICO Congress 2012, Turin, Italy: Near Total Distal Pancreatectomy and Gastric Conduit Resection for Pancreatic Adenocarcinoma after Ivor-Lewis Esophagectomy.
- 9) XXXV SICO Congress 2012, Turin, Italy: Multivisceral resection in gastric adenocarcinoma: when surgery can go further? A retrospective analysis of a single centre experience.
- 10) XXXV SICO Congress 2012, Turin, Italy: Single node metastasis in gastric adenocarcinoma: which prognostic outcome? A retrospective study in a single centre experience.
- 11) CXIV SIC Congress 2012, Rome, Italy: Duodenal stump fistula after gastrectomy for gastric cancer: outcomes and risk factors analysis in a single centre experience.
- 12) CXIV SIC Congress 2012, Rome, Italy: HER2 expression as prognostic factor for neoadjuvant chemotherapy in gastric and esophago-gastric junction adenocarcinoma. (Podium presentation).

- 13) CXIV SIC Congress 2012, Rome, Italy: Staging laparoscopy for gastric cancer: better than pre-operative imaging? Retrospective analysis in a single centre experience.
- 14) CXIV SIC Congress 2012, Rome, Italy: Multivisceral resections in gastric cancer: post-operative impact and prognosis factors analysis in a single centre experience.
- 15) CXIV SIC Congress 2012, Rome, Italy: Ruolo della risposta patologica completa dopo chemio-radioterapia neoadiuvante per tumore del retto localmente avanzato. Studio prospettico monocentrico
- 16) CXIV SIC Congress 2012, Rome, Italy: Prognostic outcome in patients with single node metastasis of gastric adenocarcinoma: a retrospective study in a single centre experience.
- 17) XI International Gastric Cancer Congress 2015, San Paolo, Brazil: Effect of neoadjuvant chemotherapy on HER-2 expression in surgically treated gastric and oesophago-gastric junction carcinoma: a multicentre Italian trial.
- 18) XI International Gastric Cancer Congress 2015, San Paolo, Brazil: Risk-factors analysis for resection margins involvement in gastric and esophago-gastric junction cancer: a multicenter gircg study.
- 19) VIII International meeting on transplantation from DCD 2018, Milan, Italy: Renal resistance trend during hypothermic machine perfusion is more predictive of post-operative outcome than biopsy score: preliminary experience in 35 consecutive kidney transplantations
- 20) VIII International meeting on transplantation from DCD 2018, Milan, Italy: Hypothermic machine perfusion as an alternative to biopsy assessment in transplantation of kidneys donated after cardiocirculatory death: a pilot study
- 21) XLII National Congress of Italian Society for Organ Transplantation 2018, Bologna, Italy: Real-time renal resistance trend during hypothermic machine perfusion is reliable in the quality assessment of kidneys from extended criteria donors and can be used in allocation algorithm: single Center experience after 73 procedures
- 22) XLII National Congress of Italian Society for Organ Transplantation 2018, Bologna, Italy: Renal resistance trend during hypothermic machine perfusion is more predictive of postoperative outcome than biopsy score: preliminary experience in 35 consecutive kidney transplantations
- 23) XLII National Congress of Italian Society for Organ Transplantation 2018, Bologna, Italy: Hypothermic machine perfusion as an alternative to biopsy assessment in transplantation of kidneys donated after cardiocirculatory death: a pilot study
- 24) XLII National Congress of Italian Society for Organ Transplantation 2018, Bologna, Italy: Aorto-bifemoral bypass to ensure transplantation in patients with severe vascular calcifications: single center experience

Posters

- 1) XXXI ESPEN Congress 2009, Vienna, Austria: Oral preoperative administration of antioxidants in pancreatic surgery: a double-blind, randomized clinical trial.

- 2) XXXIII AISP Congress 2009, Rozzano, Italy: Circulating tumor cells in resectable pancreatic cancer: a new prognostic marker?
- 3) X International Gastric Cancer Congress 2013, Verona, Italy: Duodenal stump fistula after gastric surgery for malignancies. A retrospective analysis of risk factors in a western centre.
- 4) X International Gastric Cancer Congress 2013, Verona, Italy: Clinical and oncological outcome of patients underwent multivisceral resection for gastric adenocarcinoma. A retrospective analysis in a western centre.
- 5) X International Gastric Cancer Congress 2013, Verona, Italy: Lymph node ratio as prognostic marker in patients with low nodes retrieval after radical surgery for gastric adenocarcinoma. The experience of a western surgical centre.
- 6) X International Gastric Cancer Congress 2013, Verona, Italy: Prognostic significance of single node metastasis in gastric adenocarcinoma. A retrospective study in a single centre experience.
- 7) XXXVII SICO Congress 2014, Padova, Italy: Prognostic value of circulating tumor cells in patients with resectable pancreatic cancer: results of 3 years follow-up after curative surgery.
- 8) XXXVII SICO Congress 2014, Padova, Italy: cytoreductive surgery and hipec in peritoneal relapse of pancreatoblastoma: a case report.
- 9) XI International Gastric Cancer Congress 2015, San Paolo, Brazil: Prognostic impact of resection margins involvement after curative gastrectomy for gastric and esophago-gastric junction cancer and importance of intraoperative frozen section analysis.

Lectures and Congress

- 1) Invited lecture at “Corso di aggiornamento teorico-pratico in coloproctologia per Medici di Medicina Generale 2011” entitled “La stipsi”, 5 November 2011, Segrate, Italy.
- 2) Discussant as expert at “Esophageal Cancer” interactive discussion session, during the congress “Multidisciplinary approach to digestive tract cancer : how I do it”, 9-10 September 2013, Milan, Italy.
- 3) Invited lecture at “XV San Raffaele Transplant Meeting” entitled “Spianare la strada al trapianto”, 11 May 2018, Milan, Italy.
- 4) Invited moderator at the XLII National Congress of Italian Society for Organ Transplantation 2018, Bologna, Italy, for the session “Macchine da perfusione nel trapianto d'organo (fegato e/o rene)”