

CURRICULUM VITAE

Pierpaolo Sileri, MD, MS, PhD

Birth date

Rome, August 25, 1972

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EDUCATION and TRAINING

UNDERGRADUATE

1986-1991 Institute for Scientific Studies "Francesco della Madonna" Rome, Italy.

GRADUATE

2002-2005 PhD in "Technology, informatics and robotics in Surgery", School of Medicine University of Rome "Tor Vergata", Rome, Italy

2003-2005 Colorectal Surgery, Specialist Registrar, John Radcliffe Hospital, Oxford, UK

1998-2004 Residency in General Surgery, University of Rome "Tor Vergata", Rome, Italy

2000- 2001 Master of Science (Department of Surgery), Graduate College, University of Illinois at Chicago, Chicago, IL (USA)

1991-1998 School of Medicine, University of Rome "Tor Vergata", Rome, Italy.

PROFESSIONAL TRAINING AND EXPERIENCE

03/2014-ongoing: Director IInd Degree Academic Master, Laparoscopic Colorectal Surgery, University of Rome Tor Vergata

03/2013-ongoing: Director IInd Degree Academic Master, Rectal Cancer Surgery and Integrated Therapies, University of Rome Tor Vergata

06/2012-ongoing: Consultant Colorectal Surgeon, Comando Generale, Arma dei Carabinieri (Headquarter, Italian Armed Forces, Corps of Carabineers) Rome

10/2011-ongoing: Vice-Clinical Director Unit UOC B, Policlinico Tor Vergata, Roma, Assistant Professor of Surgery, University of Rome Tor Vergata

02/2005-ongoing: Attending Surgeon, Policlinico Tor Vergata, Roma, Italy, Assistant Professor of Surgery, University of Rome Tor Vergata

11/2003-02/2005 Specialist Registrar Colorectal Surgery, John Radcliffe Hospital, University of Oxford (UK)

11/2001- 10/2002 Instructor of Surgery, College of Medicine, Department of Surgery, Division of Transplant Surgery, University of Illinois at Chicago, (USA)

10/1999- 11/2001 Post-doctoral Research Associate, College of Medicine, Department of Surgery, Division of Transplant Surgery, University of Illinois at Chicago, (USA)

11/1998 – 10/2005 Resident in Surgery, Department of Surgery, College of Medicine University of Rome "Tor Vergata", Rome, Italy.

1998 (July-Sept.) Visiting research fellow, TE Starzl Transplantation Institute, University of Pittsburgh, PA, USA

1997 (July-Aug.) Visiting research student, TE Starzl Transplantation Institute, University of Pittsburgh, PA, USA

1994 -1997 Intern student in Surgery, Department of Surgery, College of Medicine, University of Rome "Tor Vergata", Rome, Italy.

1991-1993 Intern student in Medical Physics, Department of Internal Medicine, University of Rome "Tor Vergata" Rome, Italy.

HONORS AND AWARDS

2013: Cavaliere Ordine al Merito della Repubblica Italiana. President of the Italian Republic.

2011: Best Podium Presentation. Laparoscopic Ventral Mesh Rectopexy. Cleveland Clinic Symposium. Ft Lauderdale

2010: Resident and Fellow Award for the study 'Radiofrequency haemorrhoidectomy versus Milligan-Morgan: our prospective randomized study. Society Surgery Alimentary Tract, Digestive Disease Week 2010

2004: Fellowship Travel Grant. Royal Society of Medicine, Colorectal Section. Overseas meeting in Granada

2002: Urban Health Program an Temple University School of Medicine for the outstanding service in mentoring and training students in the biomedical sciences (University of Illinois at Chicago, Physician Scientist Training Program Summer 2002).

2001: Urban Health Program an Temple University School of Medicine for the outstanding service in mentoring and training students in the biomedical sciences (University of Illinois at Chicago, Minority Access to research Careers, MARC Program Summer 2001).

2001: Transplantation Society; 2001 Transplant Odyssey. Istanbul, Turkey, August 20-23. Young Investigator Award for the study: "Corticosteroids enhance hepatic injury following ischemia/reperfusion".

1999: Society of Laparo-Endoscopic Surgeons: Medical Education Development Award.

1999: American Society of Transplant Surgeons, 25th annual Meeting, Chicago (IL) May 19-21. Young Investigator Award for the study: "Bacterial translocation in intestinal transplant recipients".

ACCADEMIC TEACHING

2014-ongoing Chair of Surgical Anatomy, Medical Engineering School, University of Rome Tor Vergata, Rome

2014-ongoing Director II nd degree Master Laparoscopic Colorectal Surgery, University of Rome Tor Vergata, Rome, Italy

2013-ongoing Director II nd degree Master Rectal Cancer and Integrated therapies. University of Rome Tor Vergata, Rome

2011-ongoing Director Rectal Prolapse Surgery-Hands on Courses' University of Rome Tor Vergata, Rome, Italy

2010-2011 Director 'Pelvic Floor Surgery-Hands on Courses' Director, University of Rome Tor Vergata, Rome, Italy

2010-ongoing 'General Surgery' "Internal Medicine-Nephrology" Residency Program, University of Rome Tor Vergata,

2009-ongoing "Stoma: Surgery and care", Hands on courses, School of Nursing, University of Rome Tor Vergata

2008-ongoing 'General Surgery' School of Nursing-Obstetrics' University of Rome Tor Vergata, Rome, Italy

2007-ongoing 'Colorectal Surgery-Techniques in colorectal resection' "General Surgery", University of Rome Tor Vergata

2006-ongoing GI Surgery Innovations, PhD Program in Surgical Sciences, School Medicine, University of Rome Tor Vergata,

2005-2007 'Anorectal Disease Surgery' "General Surgery" Residency Program, University of Rome Tor Vergata, Rome

2005-2007 'Anorectal Disease Surgery', "Gastrointestinal Surgery" Residency Program, University of Rome Tor Vergata

Book Chapters:

1) 'Stapled hemorrhoidectomy: from pathology to clinical outcome' in Hemorrhoids: symthoms, diagnosis and treatment. Sileri P et al., Edited by Philip D. Salinitri and Benjamin M. Raspallo, Novapublisher NJ, USA

2) "Donor selection and management" (Chapter 8 pp111-118) in "Transplantation of the pancreas" edited by Drs. Gruessner and Sutherland. Authors: Benedetti E., Sileri P. Springer-Verlag New York, Inc, New York, USA 2004.

3) "Complication of pancreas transplantation" (chapter 13, pp 155-165) in "Pancreas and Islet Transplantation" edited by Drs. Nadey Hakim, Robert Stratta and Derek Gray. Authors: Benedetti E., Sileri P., Gruessner A., Cicalese L. Oxford University Press, 2002, Oxford, UK, 2002

4) Sileri et al. Minimally invasive surgery for rectal prolapse: Laparoscopic procedures in Laparoscopic in Techniques in Minimally Invasive Rectal Surgery, Springer, USA

Books:

1) Pelvic Floor Disorders: Surgical Approach (Updates in Surgery) Series: Updates in Surgery. Publisher: Springer; 2014 edition (October 7, 2013) ISBN-10: 8847054400 ISBN-13: 978-8847054400.

2) Anal Fissure: symthoms, diagnosis and treatment. Editors: Pierpaolo Sileri and Achille Gaspari, Raspallo, Novapublisher NJ, USA

Publications (only peer reviewed, since 2009):

1) De Simone V, Franzè E, Ronchetti G, Colantoni A, Fantini MC, Di Fusco D, Sica GS, Sileri P, MacDonald TT, Pallone F, Monteleone G, Stolfi C. Th17-type cytokines, IL-6 and TNF- α synergistically activate STAT3 and NF- κ B to promote colorectal cancer cell growth. Oncogene. 2014 Sep 1. doi: 10.1038/nc.2014.286.

2) Caruso R, Marafini I, Franzè E, Stolfi C, Zorzi F, Monteleone I, Caprioli F, Colantoni A, Sarra M, Sedda S, Biancone L, Sileri P, Sica GS, MacDonald TT, Pallone F,

- Monteleone G. Defective expression of SIRT1 contributes to sustain inflammatory pathways in the gut. *Mucosal Immunol.* 2014 May 21. doi:10.1038/mi.2014.35.
- 3)Cupi ML, Sarra M, Marafini I, Monteleone I, Franzè E, Ortenzi A, Colantoni A, Sica G, Sileri P, Rosado MM, Carsetti R, MacDonald TT, Pallone F, Monteleone G. Plasma cells in the mucosa of patients with inflammatory bowel disease produce granzyme B and possess cytotoxic activities. *J Immunol.* 2014 Jun 15;192(12):6083-91
- 4)Stolfi C, De Simone V, Colantoni A, Franzè E, Ribichini E, Fantini MC, Caruso R, Monteleone I, Sica GS, Sileri P, MacDonald TT, Pallone F, Monteleone G. A functional role for Smad7 in sustaining colon cancer cell growth and survival. *Cell Death Dis.* 2014 Feb 20;5:e1073. doi: 10.1038/cddis.2014.49. PubMed PMID: 24556688
- 5)Sileri P, Capuano I, Franceschilli L, Giorgi F, Gaspari AL. Modified laparoscopic ventral mesh rectopexy. *Tech Coloproctol.* 2013 Nov 21. [Epub ahead of print]
- 6)Sileri P, Giarratano G, Franceschilli L, Limura E, Perrone F, Stazi A, Toscana C, Gaspari AL. Ligation of the Intersphincteric Fistula Tract (LIFT): A Minimally Invasive Procedure for Complex Anal Fistula: Two-Year Results of a Prospective Multicentric Study. *Surg Innov.* 2013 Nov 6. [Epub ahead of print] PubMed PMID:24201738.
- 7)Sileri P, Franceschilli L, De Lorenzo A, Mezzani B, Todisco P, Giorgi F, Gaspari AL, Jacoangeli F. Defecatory disorders in anorexia nervosa: a clinical study. *Tech Coloproctol.* 2013 Sep 13. [Epub ahead of print] PubMed PMID: 24030784.
- 8)Del Vecchio Blanco G, Cretella M, Paoluzi OA, Caruso A, Mannisi E, Servadei F, Romeo S, Grasso E, Sileri P, Giannelli M, Biancone L, Palmieri G, Pallone F. Adenoma, advanced adenoma and colorectal cancer prevalence in asymptomatic 40- to 49-year-old subjects with a first-degree family history of colorectal cancer. *Colorectal Dis.* 2013 Sep;15(9):1093-9. doi: 10.1111/codi.12263. PubMed PMID:23627814.
- 9)Fiaschetti V, Pastorelli D, Squillaci E, Funel V, Rascioni M, Meschini A, Salimbeni C, Sileri P, Franceschilli L, Simonetti G. Static and dynamic evaluation of pelvic floor disorders with an open low-field tilting magnet. *Clin Radiol.* 2013 Jun;68(6):e293-300. doi: 10.1016/j.crad.2012.11.013. Epub 2013 Mar 26. PubMed PMID: 23541093.
- 10)D'Ugo S, Franceschilli L, Cadeddu F, Leccesi L, Blanco Gdel V, Calabrese E, Milito G, Di Lorenzo N, Gaspari AL, Sileri P. Medical and surgical treatment of haemorrhoids and anal fissure in Crohn's disease: a critical appraisal. *BMC Gastroenterol.* 2013 Mar 11;13:47. doi: 10.1186/1471-230X-13-47.
- 11)Sileri P, Boehm G, Franceschilli L, Giorgi F, Perrone F, Stolfi C, Monteleone G, Gaspari AL. Collagen matrix injection combined with flap repair for complex anal fistula. *Colorectal Dis.* 2012 Dec;14 Suppl 3:24-8. doi: 10.1111/codi.12046. PubMed PMID: 23136821.
- 12)Ahmad M, Sileri P, Franceschilli L, Mercer-Jones M. The role of biologics in pelvic floor surgery. *Colorectal Dis.* 2012 Dec;14 Suppl 3:19-23.
- 13)Franceschilli L, D'Ugo S, de Luca E, Cadeddu F, Milito G, di Lorenzo N, Gaspari AL, Sileri P. Role of 0.4% glyceryl trinitrate ointment after haemorrhoidectomy: results of a prospective randomised study. *Int J Colorectal Dis.* 2013 Mar;28(3):365-9. doi: 10.1007/s00384-012-1544-1. Epub 2012 Aug 5. PubMed PMID: 22864620.
- 14)Sarra M, Cupi ML, Monteleone I, Franzè E, Ronchetti G, Di Sabatino A, Gentileschi P, Franceschilli L, Sileri P, Sica G, Del Vecchio Blanco G, Cretella M, Paoluzi OA, Corazza GR, Pallone F, Monteleone G. IL-15 positively regulates IL-21 production in celiac disease mucosa. *Mucosal Immunol.* 2013 Mar;6(2):244-55.
- 15)Sileri P, D'Ugo S, Blanco Gdel V, Lolli E, Franceschilli L, Formica V, Anemona L, De Luca C, Gaspari AL. Solitary metachronous gastric metastasis from pulmonary adenocarcinoma: Report of a case. *Int J Surg Case Rep.* 2012;3(8):385-8. Epub 2012 May 8. PubMed PMID: 22634567;
- 16)Grande M, Sileri P, Attina GM, Villa M, de Luca E, Ciano P, Ciangola CI, Cadeddu F. Nonerosive Gastroesophageal Reflux Disease And Mild Degree Of Esophagitis: Comparison Of Symptoms, Endoscopic, Manometric And Ph-Metric Patterns. *World J Surg Oncol.* 2012 May 16;10(1):84.
- 17)Lorenzo ND, Franceschilli L, Allaix ME, Asimakopoulos A, Sileri P, Gaspari AL. Radiofrequency versus ultrasonic energy in laparoscopic colorectal surgery: a metaanalysis of operative time and blood loss. *Surg Endosc.* 2012 May 12. [Epub ahead of print] PubMed PMID: 22580873.
- 18)Sileri P, Franceschilli L, Gaspari AL. Saving time stitching thick biological mesh during laparoscopic ventral rectopexy. *Tech Coloproctol.* 2012 Apr 24.
- 19)Stolfi C, Franzè E, Monteleone I, Caruso R, Franceschilli L, Sileri P, Sica GS, Gaspari AL, Del Vecchio Blanco G, Pallone F, Monteleone G. 2-Methoxy-5-amino-N-hydroxybenzamide, a derivative of mesalamine, inhibits colon cancer cell growth through cyclo-oxygenase-2-dependent and -independent mechanisms. *Clin Sci (Lond).* 2012 Sep 1;123(5):295-306.
- 20)Sileri P, Franceschilli L, de Luca E, Lazzaro S, Angelucci GP, Fiaschetti V, Pascenic C, Gaspari AL. Laparoscopic ventral rectopexy for internal rectal prolapse using biological mesh: postoperative and short-term functional results. *J Gastrointest Surg.* 2012 Mar;16(3):622-8. Epub 2012 Jan 7.
- 21)Cadeddu F, Sileri P, Grande M, De Luca E, Franceschilli L, Milito G. Focus on abdominal rectopexy for full-thickness rectal prolapse: meta-analysis of literature. *Tech Coloproctol.* 2012 Feb;16(1):37-53. Epub 2011 Dec 15.
- 22)Sileri P, Franceschilli L, Angelucci GP, D'Ugo S, Milito G, Cadeddu F, Selvaggio I, Lazzaro S, Gaspari AL. Ligation of the intersphincteric fistula tract (LIFT) to treat anal fistula: early results from a prospective observational study. *Tech Coloproctol.* 2011 Dec;15(4):413-6. Epub 2011 Nov 1,
- 23)Sileri P, Cadeddu F, D'Ugo S, Franceschilli L, Del Vecchio Blanco G, De Luca E, Calabrese E, Capperucci SM, Fiaschetti V, Milito G, Gaspari AL. Surgery for fistula-in-ano in a specialist colorectal unit: a critical appraisal. *BMC Gastroenterol.* 2011 Nov 9;11:120. PubMed PMID: 22070555;
- 24)Stolfi C, Rizzo A, Franzè E, Rotondi A, Fantini MC, Sarra M, Caruso R, Monteleone I, Sileri P, Franceschilli L, Caprioli F, Ferrero S, MacDonald TT, Pallone F, Monteleone G. Involvement of interleukin-21 in the regulation of colitis-associated colon cancer. *J Exp Med.* 2011 Oct 24;208(11):2279-90. Epub 2011 Oct 10.
- 25)Sileri P, Franceschilli L, Cadeddu F, De Luca E, D'Ugo S, Tognoni V, Camperchioli I, Benavoli D, Di Lorenzo N, Gaspari AL, Gentileschi P. Prevalence of defaecatory disorders in morbidly obese patients before and after bariatric surgery. *J Gastrointest Surg.* 2012 Jan;16(1):62-6; discussion 66-7. Epub 2011 Sep 24.
- 26)Kalimutho M, Del Vecchio Blanco G, Di Cecilia S, Sileri P, Cretella M, Pallone F, Federici G, Bernardini S. Differential expression of miR-144* as a novel fecal-based diagnostic marker for colorectal cancer. *J Gastroenterol.* 2011 Dec;46(12):1391-402. Epub 2011 Aug 24. PubMed PMID: 21863218.
- 27)Kalimutho M, Di Cecilia S, Del Vecchio Blanco G, Roviello F, Sileri P, Cretella M, Formosa A, Corso G, Marrelli D, Pallone F, Federici G, Bernardini S. Epigenetically silenced miR-34b/c as a novel faecal-based screening marker for colorectal cancer. *Br J Cancer.* 2011 May 24;104(11):1770-8.
- 28)Monteleone I, Rizzo A, Sarra M, Sica G, Sileri P, Biancone L, MacDonald TT, Pallone F, Monteleone G. Aryl hydrocarbon receptor-induced signals up-regulate IL-22 production and inhibit inflammation in the gastrointestinal tract. *Gastroenterology.* 2011 Jul;141(1):237-48, 248.e1. Epub 2011 Apr 16.
- 29)Franceschilli L, Stolfi VM, D'Ugo S, Angelucci GP, Lazzaro S, Picone E, Gaspari A, Sileri P. Radiofrequency versus conventional diathermy Milligan-Morgan hemorrhoidectomy: a prospective, randomized study. *Int J Colorectal Dis.* 2011 Oct;26(10):1345-50. Epub 2011 Apr 26.
- 30)Kalimutho M, Del Vecchio Blanco G, Cretella M, Mannisi E, Sileri P, Formosa A, Pallone F, Federici G, Bernardini S. A simplified, non-invasive fecal-based DNA integrity assay and iFOBT for colorectal cancer detection. *Int J Colorectal Dis.* 2011 May;26(5):583-92. Epub 2011 Jan 12.
- 31)Grande M, Cadeddu F, Sileri P, Ciano P, Attina GM, Selvaggio I, Milito G. Anal vector volume analysis: an effective tool in the management of pelvic floor disorders. *Tech Coloproctol.* 2011 Mar;15(1):31-7. Epub 2010 Dec 14. PubMed PMID: 21153854.
- 32)Sileri P, Franceschilli L, Del Vecchio Blanco G, Stolfi VM, Angelucci GP, Gaspari AL. Porcine dermal collagen matrix injection may enhance flap repair surgery for complex anal fistula. *Int J Colorectal Dis.* 2011 Mar;26(3):345-9. Epub 2010 Oct 17. PubMed PMID: 20953873.
- 33)Fina D, Franzè E, Rovedatti L, Corazza GR, Biancone L, Sileri PP, Sica G, MacDonald TT, Pallone F, Di Sabatino A, Monteleone G. Interleukin-25 production is differently regulated by TNF- α and TGF- β 1 in the human gut. *Mucosal Immunol.* 2011 Mar;4(2):239-44. Epub 2010 Oct 13.
- 34)Sileri P, Stolfi VM, Franceschilli L, Grande M, Di Giorgio A, D'Ugo S, Attina G, D'Eletto M, Gaspari AL. Conservative and surgical treatment of chronic anal fissure: prospective longer term results. *J Gastrointest Surg.* 2010 May;14(5):773-80. Epub 2010 Mar 2. PubMed PMID: 20195915.
- 35)Sarra M, Monteleone I, Stolfi C, Fantini MC, Sileri P, Sica G, Tersigni R, Macdonald TT, Pallone F, Monteleone G. Interferon-gamma-expressing cells are a major source of interleukin-21 in inflammatory bowel diseases. *Inflamm Bowel Dis.* 2010 Aug;16(8):1332-9. PubMed PMID: 20186935.
- 36)Sileri P, Stolfi VM, Palmieri G, Benavoli D, D'Ugo S, D'Eletto M. Modified stapled transanal rectal resection (Starr) for full thickness excision of rectal tumour. *J Gastrointest Surg.* 2010 Apr;14(4):739-42. PubMed PMID: 20066569.
- 37)Formica V, Massara MC, Portarena I, Fiaschetti V, Grenga I, Del Vecchio Blanco G, Sileri P, Tosetto L, Skoulidis F, Pallone F, Roselli M. Role of CA19.9 in predicting bevacizumab efficacy for metastatic colorectal cancer patients. *Cancer Biomark.* 2009;5(4):167-75. PubMed PMID: 19729826.
- 38)Gentileschi P, Lirofi F, Benavoli D, Sica G, Di Lorenzo N, Venza M, Camperchioli I, D'Eletto I, Sileri P, Gaspari AL. Laparoscopic reoperative approach after open bariatric surgery. *Chir Ital.* 2009 Mar-Apr;61(2):137-41. PubMed PMID: 19536985.
- 39)Sileri P, D'Ugo S, Benavoli D, Stolfi VM, Palmieri G, Mele A, Gaspari AL. Metachronous splenic metastasis from colonic carcinoma five years after surgery: a case report and literature review. *South Med J.* 2009 Jul;102(7):733-5. Review. PubMed PMID: 19487993.
- 40)Sileri P, Del Vecchio Blanco G, Benavoli D, Gaspari AL. Iatrogenic rectal perforation during operative colonoscopy: closure with endoluminal clips. *JSLs.* 2009 Jan-Mar;13(1):69-72. PubMed PMID: 19366545
- 41)Stolfi VM, Micossi C, Sileri P, Venza M, Gaspari A. Retroperitoneal sepsis with mediastinal and subcutaneous emphysema complicating stapled transanal rectal resection (STARR). *Tech Coloproctol.* 2009 Mar;13(1):69-71. Epub 2009 Mar 14. PubMed PMID: 19288238.

