




Name	Kazuki Sumiyama	
Country	Japan	
Organization	Department of Endoscopy, The Jikei University School of Medicine	
Current Position	Professor	

Educational Background

Mar. 1998	Graduated from The Jikei University School of Medicine
May 1998	Passed the 92nd National Medical Practitioners Qualifying Examination
May 1998	Began residency in the Department of Endoscopy as a junior resident at Jikei University Hospital
Mar. 2000	Completed junior residency
Apr. 2000	Entered the PhD Course in Medical Research, The Jikei University School of Medicine Graduate School
Nov. 2003	Graduated from PhD course and awarded PhD degree (Doctor of Medicine)

Professional Experiences

Dec. 2003	Research associate, Department of Endoscopy, The Jikei University School of Medicine Graduate School and Clinical Staff Member, Department of Endoscopy, Jikei University Hospital
Apr. 2005	Postdoctoral Research Fellow and Advanced Endoscopy Fellow at the Division of Gastroenterology and Hepatology, Mayo Clinic College of Medicine Developmental Endoscopy Unit (US)
Mar. 2007	Completed sabbatical research program
Apr. 2007	Clinical Staff Member, Department of Endoscopy, Jikei University Aoto Hospital
Apr. 2009	Clinical Staff Member, Department of Endoscopy, Jikei University Hospital
Dec. 2012	Instructor, Endoscopy Course, The Jikei University School of Medicine
Jan. 2013	Clinical chief, Division of Endoscopy, Jikei University Hospital
Apr. 2015	Department of Endoscopy, Jikei University School of Medicine
May.2015	Director, Division of Endoscopy, Jikei University Hospital Professor, Professor, Department of Gastroenterological Endoscopy, The Jikei University School of Medicine Graduate School

Professional Organizations

Apr. 2005	International Active Member of the American Society of Gastrointestinal Endoscopy
Dec. 2008	Member of NOTES Research Association White Paper Working Group
Jan. 2010	Organizer, Needlescopic surgery meeting
Dec. 2010	Organizer, EMR/ESD Research Association
Jan. 2012	Councilor, Japan Gastroenterological Endoscopy Society, Kanto Chapter
Apr. 2012	Councilor, Japanese Society of Gastroenterology, Kanto Chapter
Feb. 2013	Member of Editorial Board of Gastroenterological Endoscopy, Japan Gastroenterological Endoscopy Society
May 2013	Councilor, Japan Gastroenterological Endoscopy Society
Aug. 2013	World Endoscopy Organization, Upper GI Cancer Committee
Jan. 2014	Organizer, Laparoscopy and Endoscopy Cooperative Surgery
Jan. 2014	Organizer, Japan Gastric Cancer Association ESD Research Association
May 2015	Organizer, J-CASE Research Association
Oct. 2015	Councilor, Japan Society of Computer Aided Surgery
May.2016	Organizer, Standardization of Peri-procedural Management Research for Endoscopic Diagnosis and Therapy, Japan Gastroenterological Endoscopy Society



Jul.2016	Member of Optimal Usage of Japan Endoscopy Database (JED) Project Committee, Japan Gastroenterological Endoscopy Society
Jul.2016	Member of Medical Terminology Committee, Japan Gastroenterological Endoscopy Society
Jun.2017	Member of Academic Program Committee, Japan Society for Abdominal Emergency Medicine
Jul.2017	Member of 100th Anniversary Magazine Committee, Japan Gastroenterological Endoscopy Society
Aug.2017	Councilor, Japan Society of Smooth Muscle Research

Main Scientific Publications

- 1) Sumiyama K, Suzuki N, Kakutani H, Hino S, Tajiri H, Suzuki H, et al. A novel 3-dimensional EUS technique for real-time visualization of the volume data reconstruction process. *Gastrointest Endosc* 2002; 55: 723-8.
- 2) Kakutani H, Hino S, Ikeda K, Mashiko T, Sumiyama K, Uchiyama Y, et al. Use of the curved linear-array echo endoscope to identify gastrosplenic shunts in patients with gastric fundal varices. *Endoscopy* 2004; 36: 710-4.
- 3) Sumiyama K, Kaise M, Nakayoshi T, Kato M, Mashiko T, Uchiyama Y, et al. Combined use of a magnifying endoscope with a narrow band imaging system and a multibending endoscope for en bloc EMR of early stage gastric cancer. *Gastrointest Endosc* 2004; 60: 79-84.
- 4) Sumiyama K, Tajiri H. Three-dimensional linear endoscopic ultrasound. *Am J Gastroenterol* 2005; 100: 2597.
- 5) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Deters JL, Knipschild MA, et al. Pilot study of the porcine uterine horn as an in vivo appendicitis model for development of endoscopic transgastric appendectomy. *Gastrointest Endosc* 2006; 64: 808-12.
- 6) Tamai N, Kaise M, Nakayoshi T, Katoh M, Sumiyama K, Gohda K, et al. Clinical and endoscopic characterization of depressed gastric adenoma. *Endoscopy* 2006; 38: 391-4.
- 7) Yonezawa J, Kaise M, Sumiyama K, Goda K, Arakawa H, Tajiri H. A novel double-channel therapeutic endoscope ("R-scope") facilitates endoscopic submucosal dissection of superficial gastric neoplasms. *Endoscopy* 2006; 38: 1011-5.
- 8) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Deters JL, Knipschild MA. Endoscopic full thickness closure of large gastric perforations by tissue anchors. *Gastrointest Endosc* 2007; 65: 134-9.
- 9) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Knipschild MA. Transesophageal mediastinoscopy by submucosal endoscopy with mucosal flap safety valve (SEMF) technique. *Gastrointest Endosc* 2007; 65: 679-83.
- 10) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Knipschild MA, Marler RJ. Submucosal endoscopy with mucosal flap safety valve (SEMF). *Gastrointest Endosc* 2007; 65: 688-94.
- 11) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Knipschild MA, Kalloo AN, et al. Transgastric cholecystectomy: Transgastric accessibility to the gallbladder improved with SEMF method and a novel multi-bending therapeutic endoscope. *Gastrointest Endosc* 2007; 65: 1028-34.
- 12) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Knipschild MA, Chung S, et al. Pilot study of transesophageal endoscopic epicardial coagulation by submucosal endoscopy with mucosal flap safety valve (SEMF) technique. *Gastrointest Endosc* 2008; 67: 497-501.
- 13) Sumiyama K, Gostout CJ, Rajan E, Bakken TA, Knipschild MA. Chemically assisted endoscopic mechanical submucosal dissection. *Gastrointest Endosc* 2008; 67: 534-8.
- 14) Aihara H, Sumiyama K, Saito S, Tajiri H, Ikegami M. Numerical analysis of autofluorescence intensity of neoplastic and non-neoplastic colorectal lesions by using a novel videoendoscopy system. *Gastrointest Endosc* 2009; 69: 726-73.
- 15) Sumiyama K, Tajiri H, Kato F, Imura T, Ono K, Ikeda K, et al. Pilot study for in vivo cellular imaging of the muscularis propria and ex vivo molecular imaging of myenteric neurons (with video). *Gastrointest Endosc* 2009; 69: 1129-34.
- 16) Imazu H, Sumiyama K, Ikeda K, Uchiyama Y, Aihara H, Kakutani H, et al. A pilot study of EUS-guided hot saline injection for pancreatic tissue. *Endoscopy* 2009; 41: 598-602.



- 17) Sumiyama K, Tajiri H, Gostout CJ, Kawamura M, Imazu H, Ohya TR, et al. Chemically assisted submucosal injection facilitates endoscopic submucosal dissection of gastric neoplasms. *Endoscopy* 2010; 42: 627-32.
- 18) Ikeda K, Sumiyama K, Tajiri H, Yasuda K, Kitano S. Evaluation of a new multitasking platform "EndoSAMURAI" for endoscopic full-thickness resection (EFTR). *Gastrointest Endosc* 2011; 73: 117-22.
- 19) Ohya TR, Sumiyama K, Takahashi-Fujigasaki J, Dobashi A, Saito S, Tajiri H. In vivo histologic imaging of the muscularis propria and myenteric neurons with probe-based confocal laser endomicroscopy in porcine models (with videos). *Gastrointest Endosc* 2011; 75: 405-10. **【corresponding author】**
- 20) Nakajima K, Moon JH, Tsutsui S, Miyazaki Y, Yamasaki M, Yamada T, (Sumiyama K) et al. Esophageal submucosal dissection under steady pressure automatically controlled endoscopy (SPACE): a randomized preclinical trial (with video). *Endoscopy* 2012; 44(12): 1139-48.
- 21) Dobashi A, Sumiyama K, Gostout CJ, Ohya TR, Kobayashi M, Imazu H, et al. Can mechanical balloon dissection be applied to cleave fibrotic submucosal tissues? A pilot study in a porcine model. *Endoscopy*. 2013; 45(8): 661-6. **【corresponding author】**
- 22) Sumiyama K, Kiesslich R, Ohya TR, Goetz M, Tajiri H. In vivo imaging of enteric neuronal networks in human using confocal laser endomicroscopy. *Gastroenterology* 2012; 143(5): 1152-3.
- 23) Sumiyama K, Toyozumi H, Ohya TR, Dobashi A, Hino S, Kobayashi M, et al. A double-blind, block randomized, placebo-controlled trial to identify the chemical assistance effect of mesna submucosal injection for gastric endoscopic submucosal dissection, *Gastrointest Endosc* 2014; 79(5): 756-64.
- 24) Sorita A, Ziemer R, Hoshino Y, Sumiyama K, Newman JS. Baron Takaki and Mayo Family: The Long-lasting Bond between Japan and Mayo Clinic. *Mayo Clinic Proceedings* 2016 Jan ; 91(1) : e13-6.
- 25) Goda K, Dobashi A, Yoshimura N, Aihara H, Kato M, Toyozumi H, (Sumiyama K) et al. Dual-focus versus conventional magnification endoscopy for the diagnosis of superficial squamous neoplasms in the pharynx and esophagus. *Endoscopy* 2016 Apr; 48(4): 321-9.
- 26) Kobayashi M, Neumann H, Hino S, Vieth M, Abe S, Nakai Y, (Sumiyama K) et al. Influence of reviewers' clinical backgrounds on interpretation of confocal laser endomicroscopy findings. *Endoscopy* 2016 Jun; 48(6):521-9.
- 27) Dobashi A, Sumiyama K, Gostout CJ. Simplified prophylaxis of mucosal resection site defects. *Gastrointest Endosc* 2016 Jun; 83(6):1265-6.
- 28) Kobayashi M, Sumiyama K, Shimojima N, Ieiri S, Okano H, Kamba S, et al. Technical Feasibility of Visualizing Myenteric Plexus Using Confocal Laser Endomicroscopy. *J Gastroenterol Hepatol* 2017 Sep; 32(9): 1604-10.
- 29) Tamai N, Aihara H, Kato M, Isshi K, Sumiyama K. Competency assessment for gastric endoscopic submucosal dissection using an endoscopic part-task training box. *Surg Endosc*. 2018 Oct 17. doi: 10.1007/s00464-018-6548-7. [Epub ahead of print]
- 30) Dobashi A, Goda K, Furuhashi H, Matsui H, Hara Y, Kamba S, Kobayashi M, Sumiyama K, Hirooka S, Hamatani S, Rajan E, Ikegami M, Tajiri H. Diagnostic efficacy of dual-focus endoscopy with narrow-band imaging using simplified dyad criteria for superficial esophageal squamous cell carcinoma. *J Gastroenterol* . 2018 Nov 8. doi: 10.1007/s00535-018-1527-2. [Epub ahead of print]