B. E. Bouma, S. H. Yun, B. J. Vakoc, M. J. Suter, and G. J. Tearney, "Fourier domain optical coherence tomography: recent advances toward clinical utility," *Current opinion in biotechnology*, vol. 20, pp. 111-8, Feb 2009.

J. G. Fujimoto and D. L. Farkas, *Biomedical Optical Imaging*: Oxford University Press, 2009.

D. Adler, "Applications for Fourier Domain Mode Locked Lasers for Optical Coherence Tomography Imaging," PhD, MIT, 2009.

P. Consolo, G. Strangio, C. Luigiano, G. Giacobbe, S. Pallio, and L. Familiari, "Optical coherence tomography in inflammatory bowel disease: prospective evaluation of 35 patients," *Diseases of the colon and rectum*, vol. 51, pp. 1374-80, Sep 2008.

E. Masci, B. Mangiavillano, L. Albarello, A. Mariani, C. Doglioni, and P. A. Testoni, "Pilot study on the correlation of optical coherence tomography with histology in celiac disease and normal subjects," *J Gastroenterol Hepatol*, vol. 22, pp. 2256-60, Dec 2007.

P. A. Testoni, A. Mariani, B. Mangiavillano, P. G. Arcidiacono, S. Di Pietro, and E. Masci, "Intraductal optical coherence tomography for investigating main pancreatic duct strictures," *Am J Gastroenterol*, vol. 102, pp. 269-74, Feb 2007.

S. H. Yun, G. J. Tearney, B. J. Vakoc, M. Shishkov, W. Y. Oh, A. E. Desjardins, M. J. Suter, R. C. Chan, J. A. Evans, I. K. Jang, N. S. Nishioka, J. F. de Boer, and B. E. Bouma, "Comprehensive volumetric optical microscopy in vivo," *Nature medicine*, vol. 12, pp. 1429-33, Dec 2006.

B. Shen, G. Zuccaro, Jr., T. L. Gramlich, N. Gladkova, P. Trolli, M. Kareta, C. P. Delaney, J. T. Connor, B. A. Lashner, C. L. Bevins, F. Feldchtein, F. H. Remzi, M. L. Bambrick, and V. W. Fazio, "In vivo colonoscopic optical coherence tomography for transmural inflammation in inflammatory bowel disease," *Clinical gastroenterology and hepatology: the official clinical practice journal of the American Gastroenterological Association*, vol. 2, pp. 1080-7, Dec 2004.

S. Yun, G. Tearney, J. de Boer, N. Iftimia, and B. Bouma, "High-speed optical frequency-domain imaging," *Optics express*, vol. 11, pp. 2953-63, Nov 3 2003.

P. R. Pfau, M. V. Sivak, Jr., A. Chak, M. Kinnard, R. C. Wong, G. A. Isenberg, J. A. Izatt, A. Rollins, and V. Westphal, "Criteria for the diagnosis of dysplasia by endoscopic optical coherence tomography," *Gastrointest Endosc*, vol. 58, pp. 196-202, Aug 2003.

U. Seitz, J. Freund, S. Jaeckle, F. Feldchtein, S. Bohnacker, F. Thonke, N. Gladkova, B. Brand, S. Schroder, and N. Soehendra, "First in vivo optical coherence tomography in the human bile duct," *Endoscopy*, vol. 33, pp. 1018-21, Dec 2001.

A. Das, M. V. Sivak, Jr., A. Chak, R. C. Wong, V. Westphal, A. M. Rollins, J. Willis, G. Isenberg, and J. A. Izatt, "High-resolution endoscopic imaging of the GI tract: a comparative study of optical coherence tomography versus high-frequency catheter probe EUS," *Gastrointest Endosc*, vol. 54, pp. 219- 24, Aug 2001.

D. Huang, E. A. Swanson, C. P. Lin, J. S. Schuman, W. G. Stinson, W. Chang, M. R. Hee, T. Flotte, K. Gregory, C. A. Puliafito, and et al., "Optical coherence tomography," *Science*, vol. 254, pp. 1178-81, Nov 22 1991.

Pulmonology

R. L. Blackmon, S. M. Kreda, P. R. Sears, B. S. Chapman, D. B. Hill J. B. Tracy, L. E. Ostrowski and A. L. Oldenburg "Direct monitoring of pulmonary disease treatment biomarkers using plasmonic gold nanorods with diffusion-sensitive OCT" Nanoscale, 2017, 9, 4907-4917

Wijmans L, d'Hooghe JN, Bonta PI, Annema JT "Optical coherence tomography and confocal laser endomicroscopy in pulmonary diseases" *Curr Opin Pulm* Med; 2017 - Volume 23 - Issue 3 - p 275–283

Ming Ding, Yu Chen, Wei-Jie Guan, Chang-Hao Zhong, Mei Jiang, Wei-Zhan Luo, Xiao-Bo Chen, Chun-Li Tang, Yan Tang, Qi-Ming Jian, Wei Wang, Shi-Yue Li, Nan-Shan Zhong "Measuring Airway Remodeling in Patients With Different COPD Staging Using Endobronchial Optical Coherence Tomography"; *CHEST* December 2016; Vol 150, No. 6 (1281-1290)

Elisabete Jorge, Rui Baptista, João Calisto, Henrique Faria, Cristina Silva, Pedro Monteiro, Manuel Pan, Mariano Pêgo "Pulmonary vascular remodeling in mitral valve disease: An optical coherence tomography study" *International Journal of Cardiology* January 15, 2016 Volume 203, Pages 576–578

Chu KK, Mojahed D, Fernandez CM, Li Y, Liu L, Wilsterman EJ, Diephuis B, Birket SE, Bowers H, Martin Solomon G, Schuster BS, Hanes J, Rowe SM, Tearney GJ "Particle Tracking Microrheology Using Micro-Optical Coherence Tomography" *Biophysical Journal*, 2016 Volume 111 , Issue 5 , 1053 – 1063

Kengyeh K. Chu, Carolin Unglert, Tim N. Ford, Dongyao Cui, Robert W. Carruth, Kanwarpal Singh, Linbo Liu, Susan E. Birket, George M. Solomon, Steven M. Rowe, Guillermo J. Tearney "In vivo imaging of airway cilia and mucus clearance with micro-optical coherence tomography" *Biomed. Opt. Express* 2016: 7, 2494-2505

Jorge E, Baptista R, Calisto J, Faria H, Monteiro P, Pan M, Pêgo M "Optical coherence tomography of the pulmonary arteries: A systematic review" *Journal of Cardiology* ,2016 Volume 67, Issue 1, 6 – 14

L.P. Hariri, M. Mino-Kenudson, M. Applegate, et al., "Towards the guidance of transbronchial biopsy: Identifying pulmonary nodules with optical coherence tomography," *CHEST*, Online First, 2013.

L.P. Hariri, M.B. Applegate, M. Mino- Kenudson, E.J. Mark, B.E. Bouma, G.J. Tearney, et al. "Optical Frequency Domain Imaging of Ex vivo Pulmonary Resection Specimens: Obtaining One to One Image to Histopathology Correlation," *J. Vis. Exp.*, vol. 71, Jan 2013.

L.P. Hariri, M.B. Applegate, M. Mino-Kenudson, et al., "Volumetric optical frequency domain imaging of pulmonary pathology with precise correlation to histopathology," *CHEST*, vol. 143, pp. 64-74, Jan 2013.

L.P. Hariri, M. Villiger, M.B. Applegate, M. Mino-Kenudson, et al., "Seeing Beyond the Bronchoscope to Increase the Diagnostic Yield of Bronchoscopic Biopsy," *Am J Respir Crit Care Med*, vol. 187, pp. 125–129, Jan 2013.

J. P. Williamson, R. A. McLaughlin, W. J. Noffsinger, A. L. James, V. A. Baker, A. Curatolo, J. J. Armstrong, A. Regli, K. L. Shepherd, G. B. Marks, D. D. Sampson, D. R. Hillman, and P. R. Eastwood, "Elastic properties of the central airways in obstructive lung diseases measured using anatomical optical coherence tomography," *Am J Respir Crit Care Med*, vol. 183, pp. 612-9, Mar 1 2011.

R. G. Michel, G. T. Kinasewitz, K. M. Fung, and J. I. Keddissi, "Optical coherence tomography as an adjunct to flexible bronchoscopy in the diagnosis of lung cancer: a pilot study," *CHEST*, vol. 138, pp. 984-8, Oct 2010.

J. P. Williamson, J. J. Armstrong, R. A. McLaughlin, P. B. Noble, A. R. West, S. Becker, A. Curatolo, W. J. Noffsinger, H.W. Mitchell, M. J. Phillips, D. D. Sampson, D. R. Hillman, and P. R. Eastwood, "Measuring airway dimensions during bronchoscopy using anatomical optical coherence tomography," *Eur Respir J*, vol. 35, pp. 34-41, Jan 2010.

J. P. Williamson, R. A. McLaughlin, M. J. Phillips, J. J. Armstrong, S. Becker, J. H. Walsh, D. D. Sampson, D. R. Hillman, and P. R. Eastwood, "Using optical coherence tomography to improve diagnostic and therapeutic bronchoscopy," *CHEST*, vol. 136, pp. 272-6, Jul 2009

H. O. Coxson, B. Quiney, D. D. Sin, L. Xing, A. M. McWilliams, J. R. Mayo, and S. Lam, "Airway wall thickness assessed using computed tomography and optical coherence tomography," *Am J Respir Crit Care Med*, vol. 177, pp. 1201-6, Jun 1 2008.

J. M. Ridgway, G. Ahuja, S. Guo, J. Su, U. Mahmood, Z. Chen, and B. Wong, "Imaging of the pediatric airway using optical coherence tomography," *Laryngoscope*, vol. 117, pp. 2206-12, Dec 2007.

J. J. Armstrong, M. S. Leigh, D. D. Sampson, J. H. Walsh, D. R. Hillman, and P. R. Eastwood, "Quantitative upper airway imaging with anatomic optical coherence tomography," *Am J Respir Crit Care Med*, vol. 173, pp. 226-33, Jan 15 2006.

M. Tsuboi, A. Hayashi, N. Ikeda, H. Honda, Y. Kato, S. Ichinose, and H. Kato, "Optical coherence tomography in the diagnosis of bronchial lesions," *Lung Cancer*, vol. 49, pp. 387-94, Sep 2005.

To create this bibliography the public resource www.pubmed.gov was used. PubMed is a service of the U.S. National Library of Medicine and the National Institutes of Health that includes over 18 million citations from Medline and other life science journals for biomedical articles back to the 1950's. PubMed includes links to full text articles and other related resources. NinePoint Medical used this resource to search for articles about Optical Coherence Tomography. These literary searches were conducted during the month of March, 2013. Once these search results were compiled, the documents were then scanned for relevance to Optical Coherence Tomography, and works that were not related to the technology and fields were removed. Items were then sorted by anatomical relevance, then publication date, and formatted for this document.

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Esophageal

Arvind J. Trindade, Cadman L. Leggett, Kenneth J. Chang "Volumetric Laser Endomicroscopy in the management of Barrett's Esophagus" Current Opinion in Gastroenterology 2017; Volume 33

Anne-Fré Swager, Guillermo J. Tearney, Cadman L. Leggett, Martijn G.H. van Oijen, Sybren L. Meijer, Bas L. Weusten, Wouter L. Curvers, Jacques J.G.H.M. Bergman "Identification of volumetric laser endomicroscopy features predictive for early neoplasia in Barrett's esophagus using high-quality histological correlation" *Gastrointestinal Endoscopy* Vol85 No.5 2017

Arvind J. Trindade, Sumant Inamdar, Michael S. Smith Kenneth J. Chang, Cadman L. Leggett, Charles J. Lightdale, Douglas K. Pleskow, Divyesh V. Sejpal, Guillermo J. Tearney, Rebecca M. Thomas, Michael B. Wallace "Volumetric laser endomicroscopy in Barrett's esophagus: Interobserver agreement for interpretation of Barrett's esophagus and associated neoplasia among high-frequency users" *Gastrointestinal Endoscopy* 2017, 1-7

Swager, A.J. de Groof, S.L. Meijer, DB.L. Weusten, W.L. Curvers, Jacques J. Bergman "Feasibility of laser marking in Barrett's esophagus with volumetric laser endomicroscopy: first-in-man pilot study" *Gasteointestinal Endoscopy* 2017, 1-8

Hsiang-Chieh Lee, Osman O. Ahsen, Kaicheng Liang, Zhao Wang, Marisa Figueiredo, Michael G. Giacomelli, Benjamin Potsaid, Qin Huang, Hiroshi Mashimo, James G. Fujimoto "Endoscopic optical coherence tomography angiography microvascular features associated with dysplasia in Barrett's esophagus: a pilot study (with video)" *Gastrointestinal Endoscopy* 2017, 1-9

A. Swager, F. van der Sommen, S.R. Klomp, S. Zinger, S.L. Meijer, E.J. Schoon, J.J. Bergman, P.H.N. de With, W.L. Curvers "Computer-aided detection of early Barrett's neoplasia using volumetric laser endomicroscopy" *Gastrointestinal Endoscopy* 2017, 1-21

Arvind J. Trindade, Arvind Rishi, Peter H. Stein, Divyesh V. Sejpal "Use of Voulmetric Laser Endomicroscopy in staging multifocal superficial squamous carcinoma" *Gastrointestinal Endoscopy* 2016; Volume 84 No.2

Arvind J. Trindade, Michael S. Smith, Douglas K. Pleskow "The new kid on the block for advanced imaging in Barrett's esophagus: a review of Volumetric laser endomicroscopy" *Ther Adv Gasteroenterol* 2016, Vol 9(3) 408-416

Wakku Hatta, Kaname Uno, Tomoyuki Kioke, Nobuyuki Ara, Naoki Asano, Katsunori Lijima, Akira Imatani, Fumiyoshi Fujishima, Tooru Shimosegewa " Feasibility of optical coherence tomography for the evaluation of Barrett's mucosa buried underneath esophageal squamous epithelium" *Digestive Endoscopy* Vol 28 May 2016, 427-433

Amit P. Desai, Amy Tyberg, Prashant Kedia, Michael S. Smith, Guadalupe Martinez, Felipe Zamarripa, Yecheskel Schneider, Helga Bertani, Marzio Frazzoni, Fernando Casas, Lauren G. Khanna, Arnon Lambroz, Nikhil A. Kumta, Ali Kha, Reem Z. Sharaiha, Sanjay Salgado,Monica Gaidhane, Amrita Sethi, Michel Kahaleh "Optical coherence tomography (OCT) prior to peroral endoscopic myotomy (POEM) reduces procedural time and bleeding: a multicenter international collaborative study" *Surgical Endoscopy* 2016; 30(11):5126-5133

Anne-Fré Swager, MD, David F. Boerwinkel, MD, PhD, Daniel M. de Bruin, PhD, Dirk J. Faber, PhD, Ton G. van Leeuwen, PhD, Bas L. Weusten, MD, PhD, Sybren L. Meijer, MD, PhD, Jacques J. Bergman, MD, PhD, Wouter L. Curvers, MD, PhD "Detection of buried Barrett's glands after radiofrequency ablation with volumetric laser endomicroscopy" *Gastrointest Endosc* 2016;83:80-8

Cadman L. Leggett, MD, Emmanuel C. Gorospe, MD, Daniel K. Chan, MD, Prasuna Muppa, MD, Victoria Owens, MD, Thomas C. Smyrk, MD, Marlys Anderson, BS, Lori S. Lutzke, CCRP, Guillermo Tearney, MD, Kenneth K. Wang, MD "Comparative Diagnostic performance of volumetric laser endomicroscopy and confocal laser endomicroscopy in the detection of dysplasia associated with Barrett's esophagus" *Gastrointest Endosc* Volume 83, No. 5 : 2016

Arvind J. Trindade, Benley J. George, Joshua Berkowitz, Divyesh V. Sejpal, Matthew J. McKinley "Volumetric laser endomicroscopy can target neoplasia not detected by conventional endoscopic measures in long segment barrett's esophagus" *Endoscopy* International Open 2016; 04: E318–E322

Arvind J. Trindade, MD, Arunan S. Vamadevan, MD, Divyesh V. Sejpal, MD "Finding a needle in a haystack" use of volumetric laser endomicroscopy in targeting focal dysplasia in a long segment Barrett's Esophagus" *Gastrointest Endosc* Volume 82, No. 4 : 2015

Herbert C. Wolfsen, MD, Prateek Sharma, MD, Michael B. Wallace, MD, MPH, Cadman Leggett, MD, Guillermo Tearney, MD, PhD, Kenneth K. Wang, MD "Safety and feasibility of volumetric laser endomicroscopy in patients with Barrett's esophagus (with videos)" *Gastrointest Endosc* Volume 82, No. 4: 2015

C.L. Leggett, E. Gorospe, V.L. Owens, M. Anderson, L. Lutzke, K. Wang, "Volumetric Laser Endomicroscopy Detects Barrett's Adenocarcinoma," Letters to the Editor, *The American Journal of Gastroenterology*, vol. 109, pp.298–299, February 2014.

M.J. Suter, M.J. Gora, G.Y. Lauwers, T. Arnason, J. Sauk, K.A. Gallagher, Kava, K.M. Tan, A.R. Soomro, T.P. Gallagher, J.A. Gardecki, B.E. Bouma, Rosenberg, N.S. Nishioka, G.J. Tearney, "Esophageal-guided biopsy with volumetric laser endomicroscopy and laser cautery marking: A pilot clinical study," *Gastrointestinal Endoscopy*, January 2014.

V. Konda, S. Banerjee, B.A. Barth, Y.M. Bhat, S.S. Chauhan, K.T. Gottlieb, J.T. Maple, F. Murad, P. Pfau, D. Pleskow, U.D. Siddiqui, J.L. Tokar, A. Wang, S.A. Rodriguez, "Enhanced imaging in the GI tract: spectroscopy and optical coherence tomography," *Gastrointest Endoscopy*, vol. 78, pp. 568–573, October 2013.

H. Mashimo, "Subsquamous intestinal metaplasia after ablation of Barrett's esophagus: frequency and importance," *Curr Opin Gestroenterol*, vol. 29, pp. 1–6, May 2013.

J. Sauk, E. Coron, L. Kava, M. Suter,M. Gora, K. Gallagher, M. Rosenberg, A. Ananthakrishnan, N. Nishioka, G. Lauwers, K. Woods, W. Brugge, D. Forcione, B. E. Bouma, G. Tearney, "Interobserver Agreement for the Detection of Barrett's Esophagus with Optical Frequency Domain Imagin (OCT)," *Digestive Diseases and Sciences*, Mar 2013.

C.J. Lightdale, "Optical Coherence Tomography in Barrett's Esophagus," *Gastrointest Endoscopy Clin N Am*, vol. 23, pp. 549–563, July 2013.

M.J. Gora, J.S. Sauk, R.W. Carruth, K.A. Gallagher, M.J. Suter, et.al "Tethered capsule endomicroscopy enables less invasive imaging of gastrointestinal tract microstructure," *Nature Medicine*, vol. 19, pp. 238–240, Jan 2013.

T. H. Tsai, C. Zhou, Y. K. Tao, H. C. Lee, O. O Ahsen ., M. Figueiredo, T. Kirtane D.C. Adler, J. M. Schmitt, Q Huang, J.G. Fujimoto, H. Mashimo "Structural markers observed with endoscopic 3-dimensional optical coherence tomography correlating with Barrett's esophagus radiofrequency ablation treatment response," *Gastrointestinal Endoscopy*, vol. 76, pp. 1104-12, Dec 2012.

C. Gorospe, G. Tearney, C. L. Leggett, L. Lutzke, J. T. Lewis, L. M. Wong Keey Song, K. K. Wang, "High resolution wide-field esophageal microscopy for the surveillance for Barrett's dysplasia after endoscopic ablation," *American College of Gastroenterology*, Sep 2012.

W. Hatta, K. Uno, T. Koike, K. Iijima, N. Asano, A. Imatani, T. Shimosegawa, "A prospective comparative study of optical coherence tomography (OCT) and EUS for tumor staging of superficial esophageal squamous cell carcinoma (SECC)," *Gastrointestinal Endoscopy*, vol. 76, pp. 548-55, Sep 2012.

C. S. Carignan, Y. Yagi, "Optical endomicroscopy and the road to real-time, in vivo pathology: present and future," *Diagnostic Pathology*, vol. 7, Aug 2012.

C. Zhou, T. H. Tsai, H. C. Lee, T. Kirtane, M. Figueiredo, Y. K. Tao, O. O. Ahsen, D. C. Adler, J. M. Schmitt, Q. Huang, J.G. Fujimoto, H. Mashimo, "Characterization of buried glands before and after radio- frequency ablation by using 3D-OCT," *Gastrointestinal Endoscopy*, vol. 76, pp. 32-40, Jul 2012.

T. H. Tsai, C. Zhou, H. C. Lee, Y. K. Tao, O. O. Ahsen, M. Figueiredo, D. C. Adler, J. M. Schmitt, Q. Huang, J. G. Fujimoto, H. Mashimo, "Comparison of Tissue Architectural Changes between Radiofrequency Ablation and Cryospray Ablation in Barrett's Esophagus Using Endoscopic 3-D Optical Coherence Tomography (OCT)," *Gastroenterology Research and Practice*, vol. 2012, Jul 2012

C. Zhou, T. Kirtane, T. H. Tsai, H. C. Lee, D. C. Adler, J. M. Schmitt, Q. Huang, J. G. Fujimoto, H. Mashimo, "Cervical inlet patch [CIP – esophageal] optical coherence tomography (OCT) imaging and clinical significance," *World Journal of Gastroenterology*, vol. 18, pp. 2502-10, May 2012.

W. Kang, H. Wang, Z. Wang, M. W. Jenkins, G. A. Isenberg, A. Chak, A.M. Rollins, "Motion artifacts associated with in vivo endoscopic OCT images of the esophagus," *Optics Express*, vol. 19, pp. 20722-35, Oct 2011.

W. Kang, H. Wang, Y. Pan, M. W. Jenkins, G. A. Isenberg, A. Chak, M. Atkinson, D. Agrawal, Z. Hu, A. M. Rollins, "Endoscopically guided spectral-domain OCT with double- balloon catheters," *Optics Express*, vol. 18, pp. 17364-72, Aug 2010.

W. Hatta, K. Uno, T. Koike, S. Yokosawa, K. Iijima, A. Imatani, and T. Shimosegawa, "Optical coherence tomography for the staging of tumor infiltration in superficial esophageal squamous cell carcinoma," *Gastrointest Endosc*, vol. 71, pp. 899-906, May 2010.

M. J. Cobb, J. H. Hwang, M. P. Upton, Y. Chen, B. K. Oelschlager, D. E. Wood, M. B. Kimmey, X. Li, "Imaging of subsquamous Barrett's epithelium with ultrahigh-resolution optical coherence tomography: a histologic correlation study," *Gastrointestinal Endoscopy*, vol. 70, pp. 223-230, Feb 2010.

D. C. Adler, C. Zhou, T. H. Tsai, H. C. Lee, L. Becker, J. M. Schmitt, Q. Huang, J. G. Fujimoto, H. Mashimo, "Three-dimensional optical coherence tomography of Barrett's esophagus and buried glands beneath neosquamous epithelium following radiofrequency ablation," *Endoscopy*, vol. 41, pp. 773-76, Sep 2009.

S. Yokosawa, T. Koike, Y. Kitagawa, W. Hatta, K. Uno, Y. Abe, K. Iijima, A. Imatani, S. Ohara, T. Shimosegawa, "Identification of the layered morphology of the esophageal wall by optical coherence tomography," *World Journal of Gastroenterology*, vol. 15, pp. 4402-09, Sep 2009.

P. A. Testoni, B. Mangiavillano, "Optical coherence tomography in detection of dysplasia and cancer of the gastrointestinal tract and biliopancreatic ductal system," *World Journal of Gastroenterology*, vol. 14, pp. 6444-52, Dec 2008

H. L. Fu, Y. Leng, M. J. Cobb, K. Hsu, J. H. Hwang, X. Li, "Flexible miniature compound lens design for high-resolution optical coherence tomography balloon imaging catheter," *Journal of Biomedical Optics*, vol. 15, Nov 2008.

M. J. Suter, B. J. Vakoc, P. S. Yachimski, M. Shishkov, G. Y. Lauwers, M. Mino- Kenudson, B. E. Bouma, N. S. Nishioka, and G. J. Tearney, "Comprehensive microscopy of the esophagus in human patients with optical frequency domain imaging," *Gastrointestinal Endoscopy*, vol. 68, pp. 745-53, Oct 2008.

E. Zagaynova, N. Gladkova, N. Shakhova, G. Gelikonov, V. Gelikonov, "Endoscopic OCT with forward-looking probe: clinical studies in urology and gastroenterology," *Journal of Biophotonics*, vol. 1, pp. 114-28, May 2008.

Y. Chen, A. D. Aguirre, P. L. Hsiung, S. W. Huang, H. Mashimo, J. M. Schmitt, and J. G. Fujimoto, "Effects of axial resolution improvement on optical coherence tomography (OCT) imaging of gastrointestinal tissues," *Opt Express*, vol. 16, pp. 2469-85, Feb 18 2008.

Y. Chen, A. D. Aguirre, P. L. Hsiung, S. Desai, P. R. Herz, M. Pedrosa, Q. Huang, M. Figueiredo, S. W. Huang, A. Koski, J. M. Schmitt, J. G. Fujimoto, and H. Mashimo, "Ultrahigh resolution optical coherence tomography of Barrett's esophagus: preliminary descriptive clinical study correlat images with histology," *Endoscopy*, vol. 39, pp. 599-605, Jul 2007.

B. J. Vakoc, M. Shishko, S. H. Yun, W.-Y. Oh, M. J. Suter, A. E. Desjardins, J. A. Evans, N. S. Nishioka, G. J. Tearney, and B. E. Bouma, "Comprehensive esophageal microscopy by using optical frequency-domain imaging (with video)." *Gastrointestinal Endoscopy*, vol. 65, pp. 898-905, Jun 2007.

J. A. Evans, B. E. Bouma, J. Bressner, M. Shishkov, G. Y. Lauwers, M. Mino- Kenudson, N. S. Nishioka, and G. J. Tearney, "Identifying intestinal metaplasia at the squamocolumnary junction by using optical coherence tomography," *Gastrointestinal Endoscopy*, vol. 65, pp. 50-56, Feb 2007.

P.A. Testoni, "Optical coherence tomography." *Scientific World Journal*, vol. 7, pp. 87-108, Jan 2007.

J. A. Evans, J. M. Poneros, B. E. Bouma, J. Bressner, E. F. Halpern, M. Shishkov, G. Y. Lauwers, M. Mino-Kenudson, N. S. Nishioka, and G. J. Tearney, "Optical coherence tomography to identify intramucosal carcinoma and high-grade dysplasia in Barrett's esophagus," Clinical gastroenterology and hepatology: the official clinical practice journal of the American Gastroenterological Association, vol. 4, pp. 38-43, Jan 2006.

G. Isenberg, M. V. Sivak, A. Chak, R. C. K. Wong, J. E. Willis, B. Wolf, D. Y. Rowland, A. Das, and A. Rollins, "Accuracy of endoscopic optical coherence tomography in the detection of dysplasia in Barrett's esophagus: a prospective, double-blinded study.," *Gastrointestinal Endoscopy*, vol. 62, pp. 825-31, Dec 2005.

J. A. Evans, N. S. Nishioka, "The use of coherence tomography in screening and surveillance of Barrett's esophagus," *Clinical Gastroenterology and Hepatology*, vol. 7, pp. S8-S11, Jul 2005.

V. X. Yang, S. J. Tang, M. L. Gordon, B. Qi, G. Gardiner, M. Cirocco, P. Kortan, G. B. Haber, G. Kandel, I. A. Vitkin, B. C. Wilson, and N. E. Marcon, "Endoscopic Doppler optical coherence tomography in the human GI tract: initial experience," *Gastrointest Endosc*, vol. 61, pp. 879-90, Jun 2005.

P. Herz, Y. Chen, A. Aguirre, J. Fujimoto, H. Mashimo, J. Schmitt, A. Koski, J. Goodnow, C. Petersen, "Ultrahigh resolution optical biopsy with endoscopic optical coherence tomography," *Optics Express*, vol. 12, pp. 3532-42, Jul 2004.

J. M. Poneros, "Diagnosis of Barrett's esophagus using optical coherence tomography," *Gastrointestinal Endoscopic Clinics of North America*, vol. 14, pp. 573-88, Jul 2004.

S. A. Faruqi, V. Arantes, M. S. Bhutani, "Barrett's esophagus: current and future role of endosonography and optical coherence tomography," *Disease of the Esophagus*, vol. 17, pp. 118-23, Jan 2004.

N. S. Nishioka, "Optical biopsy using tissue spectroscopy and optical coherence tomography," *Canadian Journal of Gastroenterology*, vol. 17, pp. 376-80, Jun 2003.

J. M. Poneros, N. S. Nishioka, "Diagnosis of Barrett's esophagus using optical coherence tomography," *Gastrointestinal Endoscopic Clinics of North America*, vol. 13, pp. 309-23, Apr 2003.

G. Zuccaro, N. Gladkova, J. Vargo, F. Feldchtein, E. Zagaynova, D. Conwell, G. Falk, J. Goldblum, J. Dumot, J. Ponsky, G. Gelikonov, B. Davros, E. Donchenko, and J. Richter, "Optical coherence tomography of the esophagus and proximal stomach in health and disease," *Am J Gastroenterol*, vol. 96, pp. 2633- 9, Sep 2001.

J. M. Poneros, S. Brand, B. E. Bouma, G. J. Tearney, C. C. Compton, and N. S. Nishioka, "Diagnosis of specialized intestinal metaplasia by optical coherence tomography," *Gastroenterology*, vol. 120, pp. 7-12, Jan 2001.

X. D. Li, S. A. Boppart, J. Van Dam, H. Mashimo, M. Mutinga, W. Drexler, M. Klein, C. Pitris, M. L. Krinsky, M. E. Brezinski, and J. G. Fujimoto, "Optical coherence tomography: advanced technology for the endoscopic imaging of Barrett's esophagus," *Endoscopy*, vol. 32, pp. 921-30, Dec 2000.

S. Jackle, N. Gladkova, F. Feldchtein, A. Terentieva, B. Brand, G. Gelikonov, V. Gelikonov, A. Sergeev, A. Fritscher- Ravens, J. Freund, U. Seitz, S. Schroder, and N. Soehendra, "In vivo endoscopic optical coherence tomography of esophagitis, Barrett's esophagus, and adenocarcinoma of the esophagus," *Endoscopy*, vol. 32, pp. 750-5, Oct 2000.

S. Brand, J. M. Poneros, B. E. Bouma, G. J. Tearney, C. C. Compton, N. S. Nishioka, "Optical coherence tomography in the gastrointestinal tract," *Endoscopy*, vol. 32, pp. 796-803, Oct 2000.

S. Jackle, N. Gladkova, F. Feldchtein, A. Terentieva, B. Brand, G. Gelikonov, V. Gelikonov, A. Sergeev, A. Fritscher- Ravens, J. Freund, U. Seitz, S. Soehendra, and N. Schrodern, "In vivo endoscopic optical coherence tomography of the human gastrointestinal tract—toward optical biopsy," *Endoscopy*, vol. 32, pp. 743-9, Oct 2000.

General Gastroenterology

Jennifer T. Higa, S. Ian Gan "Advanced endoscopic imaging for biliary strictures: Review of current technologies", Techniques in *Gastrointestinal Endoscopy*, 2016 Volume 18, Issue 2, 52 – 61

Zhu Y, Gao W, Zhou Y, Guo Y, Guo F, He Y "Rapid and high-resolution imaging of human liver specimens by full-field optical coherence tomography" *J. Biomed. Opt.* 2015 0001;20(11):116010. doi:10.1117/1.J-BO.20.11.116010.

James H Tabibian, Kavel H Visrodia, Michael J Levy, and Christopher J Gostout "Advanced endoscopic imaging of indeterminate biliary strictures" *World J Gastrointest Endosc.* 2015 Dec 10; 7(18): 1268–1278

Mohammad S Mahmud, Gray R May, Mohammad M Kamal, Ahmed S Khwaja, Carry Sun, Alex Vitkin, and Victor XD Yang "Imaging pancreatobiliary ductal system with optical coherence tomography: A review" *World J Gastrointest Endosc.* 2013 Nov 16; 5(11): 540–550.

P. A. Testoni, B. Mangiavillano, A. Mariani, S. Carrara, C. Notaristefano, and P. G. Arcidiacono, "Investigation of Oddi sphincter structure by optical coherence tomography in patients with biliary-type 1 dysfunction: a pilot in vivo study," *Digestive and liver disease: official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver*, vol. 41, pp. 907-12, Dec 2009.

E. Masci, B. Mangiavillano, G. Barera, B. Parma, L. Albarello, A. Mariani, C. Doglioni, and P. A. Testoni, "Optical coherence tomography in pediatric patients: a feasible technique for diagnosing celiac disease in children with villous atrophy," *Digestive and liver disease: official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver*, vol. 41, pp. 639-43, Sep 2009.

M. Arvanitakis, L. Hookey, G. Tessier, P. Demetter, N. Nagy, A. Stellke, V. De Maertelaer, J. Deviere, and O. Le Moine, "Intraductal optical coherence tomography during endoscopic retrograde cholangiopancreatography for investigation of biliary strictures," *Endoscopy*, vol. 41, pp. 696-701, Aug 2009.