



## Victoria Lyo, M.D., M.T.M.

### Philosophy of Care

I believe in providing compassionate and expert care for my patients to obtain optimal outcomes and relief from their problems. I rely on current, data-driven best practices for my surgical recommendations as well as the rich expertise of my colleagues and mentors to ensure my patients do well.

I strive to listen thoroughly and communicate clearly to explain my clinical reasoning and recommendations so that patients completely understand their options and what to expect. I treat my patients with the same respect and kindness as I would want my own family to receive.

### Clinical Interests

Dr. Lyo specializes in minimally invasive (laparoscopic and robotic) and traditional open techniques to address obesity, foregut diseases such as GERD, achalasia, and hiatal hernias, as well as abdominal wall and groin hernias, and gallbladder disease.

She is fellowship-trained in minimally invasive surgery and has expertise in:

- Foregut: esophageal dilation and stenting, Heller myotomy for achalasia, anti-reflux procedures, hiatal hernias, gastric funduplications and gastric resection, feeding tube placement, gastroparesis
- Bariatrics: gastric bypass, sleeve gastrectomy, revisional/redo surgery
- Hernia: complex abdominal wall reconstruction, component separation, groin hernias
- Biliary: gallbladder removal, bile duct exploration, laparoscopic-assisted ERCP

### Research/Academic Interests

Dr. Lyo's research focuses on understanding the interactions between the gut microbiome and human host, specifically on how the microbiome contributes to obesity and wound healing. By better understanding this area, she aims to improve the management of obesity and outcomes after bariatric and hernia surgery.

Dr. Lyo has an extensive biomedical research background and holds a Master degree in Translational Medicine from UC Berkeley and UCSF. She is committed to developing innovative devices and products to bring into clinical practice.

**Title** Assistant Professor, Clinical Surgery, Division of Foregut, Metabolic, and General Surgery

**Specialty** Bariatrics, Minimally Invasive Surgery, Robotic Surgery, Reconstructive Surgery, Surgery - Foregut & Metabolic

**Department** [Surgery](#)  
[UC Davis Medical Group](#)

**Division** Foregut and Endometabolic Surgery  
General Surgery

**Clinic** Bariatric Clinic

### Center/Program Affiliation



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<b>Email</b>	<a href="mailto:VLyo@ucdavis.edu">VLyo@ucdavis.edu</a>
<b>Languages</b>	Mandarin
<b>Education</b>	M.D. with Distinction, University of California San Francisco, San Francisco CA 2001 M.T.M., University of California Berkeley & San Francisco, Berkeley and San Francisco CA 2015 B.A., Wellesley College, Wellesley MA 2001
<b>Internships</b>	University of California San Francisco, San Francisco CA 2011-2012
<b>Residency</b>	General Surgery, University of California San Francisco, San Francisco CA 2012-2018
<b>Fellowships</b>	Advanced GI and Minimally Invasive Surgery, Oregon Health & Science University, Portland OR 2018-2019
<b>Board Certifications</b>	American Board of Surgery - General Surgery da Vinci Robotic Platform Certified
<b>Professional Memberships</b>	American College of Surgeons American Society for Metabolic and Bariatric Surgery Association of Women Surgeons Naffziger Surgical Society Society of American Gastrointestinal and Endoscopic Surgeons Society of Asian Academic Surgeons
<b>Honors and Awards</b>	Pacific Northwest American College of Surgeons Bruce Wolfe Bariatric Research Award, 2019 UC San Francisco Lawrence Way Critical Thinking Award, 2018 UC San Francisco Dean's Prize in Research Award, 2011 Pancreas Club Best Oral Presentation Research Award, 2010 Howard Hughes Medical Institute Medical Research Fellowship, 2009, 2010
<b>Select Recent Publications</b>	Lyo V, Schafer A, Stewart L. Roux-en-Y Gastric Bypass is a Safe and Effective Option that Improves



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Major Co-Morbidities Associated with Obesity in an Older, Veteran Population. *Am J Surg*. Epub ahead of print. 2019.

Brown I, Bellevue O, Shawo A, Woldeamayot H, Lyo V, Rayikanti B, Lee M, Uzosike ED, Kasravi S, Harris HW. Low Dose Cyclophosphamide Improves Survival in a Murine Treatment Model of Sepsis. *Shock*. 2015;43(1):92-8.

Cattaruzza F, Amadesi S, Carlsson JF, Murphy JE, Lyo V, Kirkwood K, Gottrell GS, Bogyo M, Knecht W, Bunnett NW. Serine Proteases and Protease-activated Receptor 2 Mediate the Proinflammatory and Algesic Actions of Diverse Stimulants. *Br J Pharmacol*. 2014;171(16): 3814-26.

Alemi F, Kwon E, Poole DP, Lieu T, Lyo V, Cattaruzza F, Cevikbas F, Steinhoff M, Nassini R, Materazzi S, Guerrero-Alba R, Valdez-Morales E, Cottrell GS, Schoonjans K, Geppetti P, Vanner SJ, Bunnett NW, Corvera CU. The TGR5 Receptor Mediates Bile Acid-Induced Itch and Analgesia. *J Clin Invest*. 2013;123(4):1513-30.

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Lyo V, Jaigirdar AA, Thummala S, Morita ET, Treseler PA, Kashani-Sabet M, Leong SPL. In-transit Intramammary Sentinel Lymph Nodes from Malignant Melanoma of the Trunk. *Ann. Surg*. 2012; 255(1):122-7.

Cattaruzza F, Lyo V, Jones E, Pham D, Hawkins J, Kirkwood K, Valdez-Morales E, Ibeakanma C, Vanner SJ, Bogyo M, Bunnett NW. Cathepsin S is Activated During Colitis and Causes Visceral hyperalgesia by a PAR2-dependent Mechanism in Mice. *Gastroenterology*. 2011;141(5):1864-74.



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Ceppa EP, Lyo V, Knecht W, Petersen A, Grady EF, Grahn S, Bunnett NW, Kirkwood KS, Cattaruzza F. Serine Proteases Mediate Inflammatory Pain in Acute Pancreatitis. *Amer J Physiol Gastrointest Liver Physiol.* 2011;300 (6):G1033-42.

Ceppa E, Cattaruzza F, Lyo V, Amadesi S, Vaksman N, Liedtke W, Cohen DM, Grady EF, Bunnett NW, Kirkwood KS. Transient Receptor Potential Ion Channels V4 and A1 Mediate Pancreatitis Pain in Mice. *Amer J Physiol Gastrointest Liver Physiol.* 2010;299(3):G556-71.

Hood-DeGrenier JK, Boulton, CN, Lyo, V. Cytoplasmic Clb2 is required for timely inactivation of the mitotic inhibitor Swe1 and normal bud morphogenesis in *Saccharomyces cerevisiae*. *Curr Genet.* 2007;51:1-18.

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