

**UC Irvine Medical Center**

H. H. Chao Comprehensive Digestive Disease Center

101 The City Drive, Bldg., 22C

Orange, CA 92868

Program Phone: 714-456-6745

Program Fax: 714-456-7753

Program Director: Kenneth J. Chang, M.D.

**Interested applicants must submit to Division of  
Gastroenterology the following**

**Curriculum Vitae**

**Letter of Interest**

**Three letters of recommendation**

**Please submit items to [lemmonm@uci.edu](mailto:lemmonm@uci.edu)**

# Endoscopic Ultrasonography Fellowship

 *H.H. Chao*  
Comprehensive Digestive Disease Center



UC Irvine Health

## Introduction

The EUS program is a two year program. Applicants will apply for a California 2111 license after they arrive in the United States. During the licensure pending period, applicants will participate in research only (estimated 2 months). If a California 2111 license is not approved, the fellowship offer will be terminated and the applicant will return to his/her home country.

Prerequisite: The candidate for the Endoscopic Ultrasonography Fellowship Program is required to meet the following eligibility requirements :

- Medical school diploma
- License to practice medicine in their home country
- Diploma for medical or surgical subspecialty training in gastroenterology
- Diploma or letter of competency in gastrointestinal endoscopy
- Must hold standard ECFMG certificate without expired examination dates
- Fluency in English
- CV/resume
- Letter from Ministry of Health stating good standings
- Three letters of recommendation, including one from a previous training program
- Self-funded
- Letter of interest stating how the position will add to the individual's experience and opportunity for advancement in their career and area of origin

## Faculty

**Kenneth J. Chang M.D.,**  
**Division Chief, Gastroenterology**  
**Director, H. H. Chao Comprehensive Digestive Disease Center**

*Dr. Chang has pioneered many therapeutic techniques that have significantly advanced the diagnosis, staging and treatment of gastrointestinal malignancies. Dr. Chang, the author of more than 100 publications and book chapters on the use of EUS, also specializes in endoscopic retrograde cholangiopancreatography (ERCP), radiofrequency ablation (RFA), endoscopic mucosal resection (EMR) for the treatment of Barrett's esophagus and early cancer, endoscopic treatment of gastroesophageal reflux disease (GERD) and endomicroscopy. He has been listed as one of the [Best Doctors in America®](#) for gastroenterology treatment and named a [Physician of Excellence by the Orange County Medical Association](#). He is certified by the American Board of Internal Medicine in both Internal Medicine and Gastroenterology.*

**John G. Lee, M.D.,**  
**Associate Director, H. H. Chao Comprehensive Digestive Disease Center**

*Dr. Lee is an expert in the diagnosis and treatment of cancers of the pancreas and biliary tract. He specializes in the use of minimally invasive diagnostic and treatment techniques, including interventional endoscopic ultrasound and endoscopic retrograde cholangiopancreatography (ERCP). Dr. Lee also specializes in the treatment of gastrointestinal bleeding and difficult and large colonic polyps. Dr. Lee has been listed as one of the [Best Doctors in America®](#) for gastroenterology treatment and has been named a [Physician of Excellence by the Orange County Medical Association](#). He is certified by both the American Board of Gastroenterology and the American Board of Internal Medicine.*

**Jason Samarasena, M.D, Assistant Clinical Professor**

*Dr. Jason B. Samarasena is a fellowship-trained gastroenterologist who specializes in treating a wide range of gastrointestinal disorders, including gastroesophageal reflux disease, Barrett's esophagus, pancreatic cysts, pancreatic tumors, gastric intestinal metaplasia, early gastric cancer, large colon polyps and colorectal cancer.*

## Clinical and Research Components

The fellowship contains three components of EUS training: cognitive, pattern recognition, and manual dexterity. These components include:

Understanding basic characteristics of convex and radial type EUS scopes\* Education toward patient evaluation and selection \*Assessing pretest probability of disease \* Reviewing pertinent imaging studies\* Identifying indications for EUS procedures \* Understanding normal anatomy on radial and convex type EUS\* Differentiating diagnosis of various tumors \*Staging of cancers \* Evaluating benign diseases in various organs \* Participating in Interventional EUS: sampling, drainage, injection and access \*Research Design, data analysis, writing and submission of oral/journal presentation

Participation in the program includes acquiring skills in performing the following procedures: \*Diagnostic EUS on radial and convex type EUS \* Upper GI: staging of esophageal and gastric cancer, and evaluation of sub- mucosal tumor \* Rectum: staging of rectal cancer and evaluation of submucosal tumor and perirectal tumor \*Pancreas: staging of pancreatic tumors, evaluation of cystic lesions, and acute/chronic inflammation \*Biliary ducts: staging of bile duct cancer, evaluation of biliary obstruction, stones, and inflammation \*Gallbladder: staging of gallbladder cancer, and evaluation of polyps, stones and inflammation \*Liver, spleen, left kidney, and left adrenal gland: evaluation of diffuse/focal abnormal lesions \* Mediastinum, intra-abdomen, and peri-rectum: evaluation of lymphadenopathy \* Interventional EUS \*Fine needle aspiration: solid/cystic lesions in various organs \*Needle based confocal laser induced endomicroscopy for pancreatic cyst \*Fine needle injection: celiac plexus/ganglion neurolysis for cancer pain, Botox injection for achalasia \*Fiducial marker placement for malignancy \*Radioactive seed implant (brachytherapy) for malignancy \* Pancreatic pseudocyst drainage \*Cholangiography and biliary access \*Pancreatography and pancreatic duct access