

Curriculum Vitae

ERICK H. ALAYO, M.D.

Education

Master in Management of Social Programs and Projects	2001
Specialization in Statistics for Research	2001
Medical Doctor	2000

Cayetano Heredia University, Lima, Peru

Residency Training

Internal Medicine Internship-Residency	2003 – 2006
<i>John Stroger Jr. Hospital of Cook County, Chicago, Illinois</i>	
Board Certified in Internal Medicine	2006 – 2016
Gastroenterology Fellowship – ERCP training	2006 – 2009
<i>John Stroger Jr. Hospital of Cook County, Chicago, Illinois</i>	

Clinical and Research Experience

Sub Investigator - *Eisai, Protocol E3810-G001-301,303, A Randomized Double-Blind Parallel Study of Rabeprazole ER 50 mg versus Esomeprazole 40 mg for Healing and Symptomatic Relief of Erosive Gastroesophageal Reflux Disease (GERD). 2009*

Sub Investigator - *E810-G000-305: EISAI Pharmaceuticals-A Randomized Double-Blind parallel study and of Rabeprazole Extended release 50mg versus Esomeprazole 40 mg for maintenance of erosive gastroesophageal reflux disease (GERD). 2009*

Sub Investigator - *MCP-103-305: IRONWOOD Pharmaceuticals- An Open-label, Long-term Safety Study of Oral Linaclotide Administered to patients with Chronic Constipation or Irritable Bowel Syndrome with Constipation. 2009*

Sub Investigator - *SPD476-313 A Phase III, Randomised, Double-Blind, Dose-Response, Stratified, Placebo-Controlled Study Evaluating the Safety and Efficacy of SPD476 versus Placebo over 104 weeks in the Prevention of Recurrence of Diverticulitis. 2009*

Sub Investigator - *MCP-103-302: IRONWOOD Pharmaceuticals-A phase 3, randomized double-blind, placebo-controlled, parallel-group trial of linaclotide administered orally for 12 weeks followed by a 4-week randomized withdrawal period in patients with chronic constipation. 2009*

Clinical and Research Experience – continued

Research Physician	2000 – 2003
<i>AB PRISMA, Lima, Peru</i>	
<ul style="list-style-type: none">▪ “Epidemiology of Helicobacter pylori infection in Lima.”▪ “Helicobacter pylori infection in Peruvian patients and in patients of Japanese ascendance residents in Peru.”▪ “Latent pulmonary tuberculosis in autopsied humans: Molecular, bacteriologic and pathologic studies.”	
Research Physician	2000 – 2003
<i>Alexander von Humbolt Institute of Tropical Medicine, Lima, Peru</i>	
<ul style="list-style-type: none">• “The Influence of the El Niño phenomenon on the epidemiology of Vector transmitted diseases.”	
Consultant – Medicine and Odontology (undergraduate & graduate theses)	1998 – 2002
<i>Cayetano Heredia University (UPCH), Lima Peru</i>	
Physician - Rural Service	2000 – 2001
<i>Peruvian Ministry of Health, Lima, Peru</i>	
Physician	2000 – 2001
<i>“San Jose” Clinical Center, Lima, Peru</i>	
Co-Investigator – Gastrointestinal Physiology Working Group	1997 – 2000
<i>Cayetano Heredia and Johns Hopkins Universities, Lima, Peru</i>	
Co-Investigator – Endocrinology Laboratory	1997 – 2000
<i>Cayetano Heredia University, Lima, Peru</i>	
Co-Investigator – Ophthalmology	1997 – 1999
<i>Arzobispo Loayza Hospital, Lima, Peru</i>	

Teaching Experience

Teacher of Physiopathology	2000 – 2001
Teacher of Medical English	2000 – 2001
Teacher of Microbiology and Histology	1998 – 2000
<i>Medical Technology School, Faculty of Medicine “Alberto Hurtado” Cayetano Heredia University (UPCH), Lima, Peru</i>	

Editorial Assignments

Reviewer

Critical Care Medicine ♦ *Emerging Infectious Diseases* ♦ *CHEST*
American Journal of Tropical Medicine and Hygiene ♦ *British Medical Journal*
Gastroenterology ♦ *Clinical Gastroenterology and Hepatology*

2003 – present

Awards and Scholarships

- *First Prize*, National Research Project Convocation, CONCYTEC, 2002-2003
- *National Award in Investigation in Medicine ABEEFE Bristol-Myers*, 2001
- *Scholarship*, “*School of Public Health-UPCH*,” Master in Management of Social Programs and Projects, 2000-2001
- *Scholarship*, “*Statistics Department-UPCH*,” Specialization in Statistics for Research, 2000-2001
- *National Award in Investigation in Pediatrics HERSIL*, 2000
- *National Award AVENTIS for the Best Article Published in a Peruvian Journal*, 2000
- *Second Prize for the Best Presentation*, National Congress of Internal Medicine, 2000
- *First Prize for the Best National Research in Health Sciences*, “*HIPÓLITO UNANUE*,” 2000
- *National Award in Investigation in Medicine ABEEFE Bristol-Myers*, 1999
- “*Honor to Success*” Award, Procter & Gamble, 1998
- *Second Prize*, National Competition of Ophthalmologic Research, 1998

Grants

- “*Variation in the H. pylori prevalence and its relation with the chloride levels in water of Lima, Peru*,” (1985 to 2002), funded by CONCYTEC-Peru, 2003
- *The Influence of the El Niño phenomenon on the epidemiology of Bartonellosis in the Peruvian Department of Ancash*,” funded by CONCYTEC-Peru, 2001
- “*Prevalence of Lactose Intolerance in Peruvian Children*,” funded by The Child Health Institute of North America, 1999

Publications

- Alayo E**, Attar B, Go B. A Case of Recurrent Abdominal Pain Due to a Gossypiboma With Spontaneous Resolution. *Clin Gastroenterol Hepatol*. 2009 Sep 3
- Ramírez-Ramos A, Watanabe-Yamamoto J, Takano-Morón J, Gilman RH, Recavarren Arce S, Arias-Stella J, Yoshiwara-Wakabayashi E, Rodríguez-Ulloa C, Miyagui-Maeda J, **Alayo E**, et al. Decrease in prevalence of peptic ulcer and gastric adenocarcinoma at the Policlínico Peruano Japonés, Lima, Peru, between the years 1985 and 2002. Analysis of 31,446 patients. *Acta Gastroenterol Latinoam*. 2006 ;36:139-46.
- Ramírez-Ramos A, Gilman RH, Watanabe-Yamamoto J, Takano-Moron J, Arias-Stella J, Yoshiwara-Wakabayashi E, Rodríguez-Ulloa C, Miyagui-Maeda J, Velapatiño-Cochachi B, Mendoza-Requena D, **Alayo E**, et al. Comparison of the prevalence of Helicobacter pylori stomach infection in Peruvian and Japanese population. *Acta Gastroenterol Latinoam*. 2005;35:219-24.
- León-Barúa R, Recavarren S, **Alayo E**, Gilman R. Helicobacter pylori-associated chronic atrophic gastritis probably predisposing to severely dehydrating diarrheal disease by Vibrio Cholera. *Trans R Soc Trop Med Hyg*. 2006;100:567-72.
- Alayo E**, Villena J, Evans A, Zimic M. Can hormones levels improve the ability to predict intensive care unit mortality? *Intensive Care Medicine* July 2005.
- Recavarren S, Ramirez Ramos A, Gilman R , **Alayo E**. Severe Helicobacter pylori-associated gastritis in the Peruvian Andes. *Histopathology* 2005;46, 374-379.
- Alayo E**, Huarcaya E, Nasarre C, del Aguila R, Llanos A. The Influence of the El Niño phenomenon on the epidemiology of Bartonellosis in the Peruvian department of Ancash. *Trans R Soc Trop Med Hyg*. 2004;98:116-124.
- Ramírez Ramos A, **Alayo E**, Mendoza D, Leey J, Segovia M, Otoyá C. Changes in the prevalence of H. pylori in Peru; 1985-2002 period in medium and upper socio-economic strata (translated from Spanish version). *Rev Gastroenterol Peru*. 2003;23(2):92-8.
- Rodríguez W, Watanabe-Yamamoto J, Ramírez Ramos A, Gilman HR, Rodríguez Ulloa C, Pareja Cruz A, Yushimito L, **Alayo E**, et al. Omeprazole, amoxicillin and clarithromycin in the treatment of helicobacterpylori, in 7 and 10-day regimens (translated from Spanish version). *Rev Gastroenterol Peru*. 2003 Jul-Sep;23(3):177-83.
- Peinado J, **Alayo E**, Mendoza D, Rosas A, Nasarre C, Llanos F. Use of Geographic Information Systems to evaluate the association of asthmatic crisis in children living within factory-contaminated areas in the district of San Martín de Porres. 1997-1998 (translated from Spanish version). *Rev Peru Med Exp Salud Publica* 2002; 19(3): 124-130.
- Luy G, Maldonado G, **Alayo E**, Peinado J, Luy V. Clinical characteristics of colonic cancer. E. Rebagliati Martins Hospital, 1995-1999 (translated from Spanish version). *Rev Gastroenterol Peru*. 2001; 20:4: 406-413.
- Cubillas R, Maguiña C, Saona P, **Alayo E**, Llanos E: Prevalence of Anti-Toxoplasma Gondii antibodies in pregnant women at the Cayetano Heredia National Hospital – February 1998 (translated from Spanish version). *Boletín de la Sociedad Peruana de Medicina Interna*. 2000;13(4):124.

Publications – continued

- Ramírez-Ramos A, Recavarren S, Arias Stella J, León-Barúa R, Gilman R, Watanabe E, **Alayo E**. *Helicobacter pylori*, chronic gastritis, gastric ulcer and duodenal ulcer: study in 1638 patients (translated from Spanish version). *Rev Gastroenterol Peru*. 1999; 19(3):196.
- Ramírez-Ramos A, Gilman R, Recavarren S, León-Barúa R, Watanabe E, Arias Stella J, **Alayo E**. Contribution to the study of the epidemiology of *Helicobacter pylori* in Peru: analysis of 3005 cases (translated from Spanish version). *Rev Gastroenterol Peru*. 1999; 19(3):190.
- Alzamora B, Tobaru L, Haro D, Chavez R, **Alayo E**. Clinical trial using Clotrimazol 1%, systemic Ketoconazol and sytemic Fluconazol in the treatment of mycotic keratitis (translated from Spanish version). *Revista Peruana de Oftalmología*. 1999;23(1):37.
- Alayo E**, Chavez J, Namisato C, Larco J, Reyes C, Leon Barua R, Sack B, Salazar E. Prevalence of lactose intolerance in Peruvian children and adults. *In preparation*.
- Nasarre C, Mendoza C, **Alayo E**, Chumpitaz RM, Cabero D, Fuentes P, Gilman RH. Latent pulmonary tuberculosis in autopsied humans: molecular, bacteriologic and pathologic studies. *In preparation*.
- Ramírez-Ramos A, Gilman HR, Watanabe-Yamamoto J, Takano-Moron J, Arias-Stella J, Yoshiwara Wakabayashi E, Rodríguez-Ulloa C, Miyagui Maeda J, Velapatino Cochachi B, Mendoza-Requena D, **Alayo E**, et al. *Helicobacter pylori* infection in a Japanese population in Lima, Peru. *In preparation*.

Thesis

- Mortality predictive value of the index Cortisol/ Triiodothyronine on the admission to the General Intensive Care Unit. *Thesis of Medicine - Cayetano Heredia University*. 1998.

Book

- Ramirez Ramos A and **Alayo E**. Gastrointestinal alterations in the elderly (translated from Spanish version). *Gerontology Topics*. Varela, L 2nd Ed. UPCH, Lima. 2002;pp:200.

Abstracts and Presentations

- Alayo E**, Attar B, Abrahamian F. Cholestatic Hepatitis Associated with Hyperthyroidism, and Exacerbated by Methimazole Therapy. *American College of Gastroenterology Annual Meeting 2007*. Philadelphia, PA.
- Smith CA, **Alayo E**, Fung S, Evans AT, Reilly BM, Mandelbaum S. Use of a Screening Tool by Medical Residents to Recognize and Treat Major Depression in Hospitalized Patients: A Controlled Trial. SGIM Annual Meeting, Los Angeles, 2006.
- Alayo E**, Smith CA, Mandelbaum S, Fung S, Evans AT. The test characteristics of a new depression Tool used by Medicine Residents evaluating Hospital Admissions. SGIM Annual Meeting, Los Angeles, 2006.

Abstracts and Presentations - continued

Attar BM, Halliburton C, **Alayo E**. Correlation of ultrasonography and histology in patients with steatosis. *Gastroenterology*. 2006;130:A-595.

Attar BM, Guthrie G, **Alayo E**, Orucevic A. Are Hispanics at increased risk for NASH? *Digestive Disease Week 2005, Chicago, IL*.

Attar BM, Evans AT, Pandolfi G, Vladic F, **Alayo E**, Orucevic A, Reilly BM. Diabetes mellitus versus HIV co-infection: Which one leads to more fibrosis in HCV patients? *Digestive Disease Week 2005, Chicago, IL*.

Shi F, Ferrer K, Attar BM, **Alayo E**, Pandolfi G, Sekosan M, Orucevic A. Histopathology of the liver in untreated human immunodeficiency virus and hepatitis C (HIV/HCV) coinfecting patients in a county hospital. *US and Canadian Academy of Pathology Annual Meeting. 2005*.

Attar BM, Vladic F, Pandolfi G, **Alayo E**, Orucevic A. The impact of Diabetes Mellitus and Steatosis on Hepatic Fibrosis and Inflammation in HCV Patients. *Annual Meeting of the American Society for the Study of Liver Diseases. 2004. Boston, MA*.

Attar BM, Pandolfi G, Vladic F, **Alayo E**, Adeyemi O, Cotler S, Jensen D. Race as an important factor on the model construction for predicting HCV-related fibrosis. *American College of Gastroenterology Annual Meeting 2004. Orlando, LA*.

Attar BM, **Alayo E**, Pandolfi G, Adeyemi O, Cotler S, Jensen D. Factors implicated in receiving therapy in patients with Hepatitis C ± HIV co-infection in a lower socioeconomic group. *American College of Gastroenterology Annual Meeting 2004. New Orleans, LA*.

Attar BM, Pandolfi G, Vladic F, **Alayo E**, Orucevic A, Atten M. Prediction of HCV-related fibrosis and inflammation based on a constructed model. *Digestive Disease Week 2004. New Orleans, LA*.

León-Barúa R, Recavarren S, **Alayo E**, Gilman R. Helicobacter pylori-associated chronic atrophic gastritis probably predisposing to severely dehydrating diarrheal disease by Vibrio Cholera. *Annual Meeting of the American Society of Tropical Medicine and Hygiene. 2002. Denver, Colorado*.

Ventosilla P, Huarcaya E, **Alayo E**, León F, Palacios A, Gutierrez P, Vidal S, Aron J. Influence of El Niño event on the transmission of malaria in Luciano Castillo & Colonna (Piura, Perú). *Conference in Climate Variability and Change and Their Health Effects in the Caribbean. 2002. Barbados*.

Alayo E, Huarcaya E, Peinado J, Llanos A. The Influence of the El Niño phenomenon on the epidemiology of Bartonellosis in the Peruvian Department of Ancash. *Annual Meeting of the American Society of Tropical Medicine and Hygiene. 2001. Atlanta, Georgia*.

Alayo E, Villena J, Contardo M. Mortality Predictive value of the index Cortisol / Triiodothyronine on the admission to the General Intensive Care Unit. *National Congress of Internal Medicine. 2000. Peru*.

Alayo E, Villena J, Contardo M. Thyroid function in patients in the General Intensive Care Unit and its relation to mortality. *International Scientific Medical Student Congress XIV - FELSOCM. 1999. Panama*.

Academic Affiliations / Activities

- *Medical Intern Representative*, UPCH, 1999-2000
- *Member*, Scientific Society of Medical Students, UPCH, 1999-2000
- *Student Representative*, University Assembly, UPCH, 1998-2000
- *Founding Member*, Medical Student Association, UPCH, 1998-2000
- *Student Representative*, Council of the Faculty of Medicine, UPCH, 1997-1998

Other skills

- *Bilingual in Spanish and English.*
- *Software skills include database and statistical packages, such as EPI INFO 6.04, SPSS 10.0, MAPINFO 4.12, and STATA v.8.0.*