

**Esam Z. Dajani, Ph.D., FACG**

IDDC Corporation

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**Areas of Expertise:** Clinical pharmacology, toxicology, drug development and regulatory affairs. Dr. Dajani provides litigation support and testimony for plaintiff and defense attorneys in the fields of drug injury causation, drug-related medical malpractice, medication errors, drug product liability (e.g., warnings, designs, formulations, labeling), adverse effects of health, beauty products, alcohol and industrial chemicals, forensic aspects of alcohol and drug intoxication (e.g., Driving Under the Influence), drug patent litigations and Contract Research Organizations (CROs). He provides investigations, research, record analysis, consultation, merit statement, and testimony.

**Professional Experience:** Provided scientific consultation, advice and litigation support since 1993. Over 30 years experience in pharmaceutical research and development. President and founder of IDDC Corporation, a CRO, which provides scientific consulting and litigation support services for pharmaceutical companies, law firms and governmental agencies. Directed worldwide clinical research at major pharmaceutical companies. Led the research teams that discovered and developed misoprostol (Cytotec®), a worldwide anti-ulcer drug. Taught pharmacology and toxicology to medical, dental & pharmacy students. Supervised the research of postdoctoral scientists & gastroenterology fellows. Licensed to practice pharmacy in the State of Alabama.

**Education:** B.S. in Pharmacy, University of Missouri at Kansas City, 1963.  
M.S. in Pharmacology & Medicinal Chemistry, Auburn University, 1966.  
Ph.D. in Pharmacology & Toxicology, Purdue University, 1969.

**Publications/** 118 peer-reviewed scientific articles, book chapters and patents.

**Presentations:** 128 presentations at national and international biomedical conferences.

**Teaching Experience:** Adjunct Professor of Medicine, Loyola University Chicago, 1995-present.

Adjunct Professor of Pharmacology, Chicago Medical School, 1983-1990.

Adjunct Professor of Medicine, UCLA, 1984-1995.

Adjunct Associate Professor of Pharmacology, Northwestern University, 1980-1995.

**Honors:** Won the Edgar M. Queeny Award (Monsanto Corporation) for distinguished achievements in science and business.

Won the Distinguished Alumnus Award from Purdue University for outstanding scientific contributions.

**Positions Held:**

President and Founder of IDDC Corporation, Long Grove, Illinois. 1993-Present. IDDC Corporation is a CRO, which provides drug development, scientific consulting and litigation support services. The consulting services cover clinical research, pharmacology, toxicology, regulatory affairs, and patents. The litigation support and testimony services cover the fields of drug injury causation, drug-related medical malpractice, medication errors, drug product liability (e.g., warnings, designs, formulations, labeling), adverse effects of health, beauty products, alcohol and industrial chemicals, forensic aspects of alcohol and drug intoxication (e.g., Driving Under the Influence), drug patent litigations and CROs activities.

Director, Clinical Research, G.D. Searle and Co., Skokie, Illinois. 1987-1993. Directed worldwide clinical research and development (Phases I-IV). Provided consultation services and actively interacted with clinical, regulatory affairs, legal, marketing, business development and licensing groups.

Director, Cytotec Scientific and Medical Affairs, G.D. Searle and Co., Skokie, Illinois. 1985-1986. Directed Phase-IV clinical research activities with misoprostol (Cytotec®). Assisted in the worldwide launch of misoprostol. Provided consultation services and actively interacted with clinical, regulatory affairs, sales and marketing, business development, licensing and legal groups. Carried out worldwide medical communication to lay and scientific media.

Assistant/Associate Director, Gastroenterology Clinical Research, G.D. Searle and Co., Skokie, Illinois. 1980-1985. Responsibilities included development of clinical plans, budgets, writing protocols, study placements, monitoring and preparation of clinical and regulatory reports. Interacted with clinical, regulatory affairs, consumer products, marketing, business development and licensing groups.

Chairman, Gastrointestinal Diseases Committee, G.D. Searle and Co., Skokie, Illinois. 1974-1980. Directed the research of a multi-disciplinary group (M.D./Ph.D. level scientists) which resulted in the discovery of several interesting drugs. Of these, one drug (Cytotec®) was marketed. Actively interacted with clinical, regulatory affairs, legal (patents), consumer products and business groups (marketing, sales, licensing and acquisition).

Group Leader, Department of Pharmacology, G.D. Searle and Co., Skokie, Illinois. 1974-1980. Planned, conducted and directed research in gastrointestinal pharmacology and physiology.

Senior Research Investigator, G.D. Searle and Co., Skokie, Illinois. 1972-1974. Planned, conducted and directed research in gastrointestinal pharmacology and physiology.

Senior Pharmacologist, Rohm and Hass Research Laboratories, Spring House, Pennsylvania, 1968-1972. Directed and conducted research in gastrointestinal, cardiovascular and central nervous system pharmacology and toxicology.

Graduate Teaching Assistant: Auburn and Purdue Universities. 1964 to 1968. Taught pharmacy, pharmacology and toxicology to undergraduate pharmacy students.

**Memberships in Scientific and Professional Societies:**

American Society for Pharmacology and Experimental Therapeutics.  
American Gastroenterological Association.  
American College of Gastroenterology (Fellow).  
European Association for Gastroenterology and Endoscopy.  
Association for Academic Minority Physicians.  
Society for Experimental Biology and Medicine.  
American Federation for Clinical Research.  
American Pharmaceutical Association.  
Gastroenterology Research Group.  
New York Academy of Sciences.  
Chicago Society of Gastroenterology.  
Philadelphia Gastrointestinal Research Forum.  
Gastrointestinal Pharmacology Group.  
Chicago Biotech Network (Founder).

**Honors:**

Won the prestigious Edgar M. Queeny Award (Monsanto, 1991) for distinguished achievements in Science and Business.  
Won the 1991 Distinguished Alumnus Award from the Department of Pharmacology and Toxicology, Purdue University.  
Rho Chi Pharmaceutical Honorary Fraternity.  
Phi Kappa Phi Honorary Fraternity.  
Listed in several Marquis Publications: Who's Who in Medicine and Healthcare, Who's Who in Science and Engineering, Who's Who in the World, Who's Who in Technology Today and Who's Who in the Midwest.  
Listed in the American Men and Women of Science.

**Professional Group Activities:**

Appointed by the FDA Center for Drug Evaluation and Research as a Special Government Employee (an officer or an employee in the executive branch of the federal government) to temporary serve as a consultant and/or a member of the FDA Advisory Committees, 2006-Present.  
Associate Editor, Medical Science Monitor, 2003-present.  
Associate Editor, Progress in Medical Research, 2004-present.  
Sessions Co-Chairman, Association for Academic Minority Physicians Annual Meetings, 1999 to 2002.  
Session Co-Chairman and Guest Editor, Second International Symposium on Brain-Gut Axis, Krakow, Poland, 2003.  
Scientific Director, Second International Symposium on Gastroenterology, Osaka, Japan, 1993.  
Chairman, Pharmaceutical Industry Perspectives in the Discovery and Development of Antiulcer Drugs. Second International Symposium on Experimental and New Therapeutic Approaches to Ulcer Disease. Pecs, Hungary, July 1990.

Co-Chairman, Prostaglandins in Gastroenterology: Focus on Misoprostol. Sixth International Conference on Prostaglandins and Related Compounds, Florence, Italy, June 1986.

Chairman, Cytoprotection and Acid Peptic Diseases (Symposium), European Association for Gastroenterology and Endoscopy, Berlin, 1986.

Chairman, Prostaglandins in Gastroenterology (Symposium), Chicago Society of Gastroenterology. Chicago, Illinois, 1984.

Chairman, Recent Developments in Gastrointestinal Pharmacology. ASPET Symposium, Portland, Oregon, 1979.

Chairman, Current Concepts of Gastrointestinal Motility. ASPET Symposium, Atlantic City, New Jersey, 1978.

Chairman, Gastrointestinal Pharmacology Symposium, Chicago, Illinois, 1977.

Field editor, Drug Development Research.

Edited or co-edited journal supplements and proceedings of several international symposia.

Served on a study section sponsored by the United States Congress, Commission on Digestive Diseases as a National Problem (1977-1978).

Scientific Reviewer for: J Pharmacol Exp Therap, Europ J Pharmacol, Digestive Diseases and Sciences, Gastroenterology, American J of Gastroenterology, Digestive Diseases, Digestion, Laboratory Investigations, Prostaglandins, Federation Proceedings, J Medicinal Chemistry, Life Sciences, J Soc Exp Biol and Medicine, Drug Development Research, American J Pathology, J Pharmacy and Pharmacology, Biochemical Pharmacology and J of the Association for Academic Minority Physicians.

Member of the editorial advisory boards for Drug Development Research, Journal of the Association for Academic Minority Physicians, Journal of Physiology and Pharmacology and Medical Science Monitor.

Served on the research and international relations committees for the American College of Gastroenterology.

Served on the program committees for the European Association of Gastroenterology and Endoscopy, The Interscience World Conference on Inflammation and Chicago Biotech Network.

**Research Activities/ Interests:** Clinical Pharmacology: Phase-I through Phase-IV investigations.  
Gastrointestinal Pharmacology: Discovery and characterization of drugs affecting gastrointestinal defense, secretion and motility.  
Central Nervous System Pharmacology: Narcotic analgesics, cannabinoids, alcohol and primary dependence.  
Prostaglandins: Gastrointestinal, cardiopulmonary, urological, and obstetrical properties.  
Non-Steroidal Anti-inflammatory drugs and GI mucosal injury  
Drug development and regulatory affairs.

**Teaching Experience:** Adjunct Professor of Medicine, Gastroenterology Section, Loyola University Medical Center, Maywood, Illinois, 1995-present.  
Adjunct Professor of Medicine, Gastroenterology Section, King/Drew Medical Center, University of California at Los Angeles, 1984-1995.  
Adjunct Professor of Pharmacology, Chicago Medical School, Chicago, Illinois, 1983-1990.  
Adjunct Associate Professor of Pharmacology, Northwestern University Medical and Dental Schools, 1985-1995.  
Participated in teaching pharmacology and toxicology to medical students, dental students, graduate students, residents, fellows and house staff at UCLA, Northwestern and Chicago Medical School.  
Organized and chaired symposia at national and international meetings.  
Supervised thesis research of postdoctoral students (Ph.D./M.D.) and gastroenterology fellows. Pioneered the organization of postdoctoral research program at Searle. Also served as research advisor to undergraduate medical students who worked in my laboratory.  
Served as a guest lecturer on pharmacology and gastroenterology on many occasions, at graduate teaching institutions.  
Served in an ASPET sponsored program entitled "Activities of Pharmacologists in the Pharmaceutical Industry," for the purpose of interesting potential pharmacologists in a research career in the pharmaceutical industry.  
Served as a "Visiting Professor for Minority Institutions", a program sponsored by the Federation of American Societies for Experimental Biology to promote career development in biomedical research.

**Management Experience:**

President of IDDC Corporation, a contract research organization.  
The administrative responsibilities include research supervision, contract negotiations, study placements, recruiting investigators and professional employees.  
Directed clinical research. Prepared and implemented worldwide clinical development plans and budgets.  
Directed a large, worldwide Phase-III/IV clinical development program for the evaluation of the therapeutic and prophylactic actions of misoprostol against nonsteroidal anti-inflammatory drugs (NSAIDs)-induced ulcer.  
Planned and directed corporate anti-ulcer and anti-diarrheal research programs at Searle Laboratories.  
Chaired a multi-disciplinary research team (Ph.D./M.D. level scientists) of senior biological, chemical, pharmaceutical and medical personnel responsible for basic and applied research on new drug candidates.  
Allocated resources and evaluated performance of subordinates.  
Interacted with legal, marketing, regulatory affairs and product acquisition groups regarding currently marketed and future products.  
Served as a member of the Scientific Advisory Boards of Gastrone, Inc., Dena Corporation and Atlantic Pharmaceuticals, Inc.

Member of the Board of Directors and Founder of the Chicago Biotech Network. (CBN).

Councilor and member of the Board of Directors for the Association for Academic Minority Physicians (AAMP).

**Publications: A. Patents**

1. DeBenneville PL, Moss JN, Dajani EZ: Gastrointestinally active thiourea. US patent No. 3,950,537, April 1976.
2. Dajani EZ, Yen CH: 5-(1,1 Diphenyl-4-(cyclic amino) but-2-trans-3n-1-yl)-2-alkyl-1,3,3-oxadiazoles and intermediates thereto. US patent No. 3,996,214, December 1976.
3. Adelstein GW, Dajani EZ, Yen CH: Antidiarrheal compounds. US patent No. 3,998,832, December 1976.
4. DeBenneville PL, Moss JN, Dajani EZ: Gastrointestinally active thioureas. US patent No. 4,009,284, February 1977.
5. Adelstein GW, Dajani EZ, Yen CH: Triarylpropyl azabicyclooctanes. US patent No. 4,057,549, November 1977.
6. Adelstein GW, Dajani EZ, Yen CH: 1-Triaryl-alkyl-4-phenyl-4-piperidine carboxylic acid and derivatives. US patent No.4,066,654. January 1978.
7. Adelstein GW, Dajani EZ, Yen CH: 1-(3,3,3-Triarylalkyl)-4-phenylpiperidinealkanols. US patent No. 4,072,686. February 1978.
8. Adelstein GW, Dajani EZ, Yen CH: Novel antidiarrheal 4-azatricyclo [4.3.1.1] undecane derivatives. US patent No. 4,086,227, April 1978.
9. Dajani EZ: Method for cholesterol lowering. US patent No. 4,459,310. July 1984.
10. Spilburg, CA, Lange LG, Dajani EZ: Method for treating ulcers with sulfated polysaccharides. US Patent No. 5,679,375, October 1997.

**Publications: B. Books and Chapters**

1. Moss JN, Dajani EZ: Antihyperlipidemic agents. In: *Screening Methods in Pharmacology*, Vol. 2. Eds. Turner RA, Hebborn P, Acad. Press, NY, PP 121-143, 1971.
2. Dajani EZ: The actions of prostaglandins on the gastrointestinal tract. In: *Prostaglandins in the Upper Gastrointestinal Tract*. Vol. 5, in Therapeutics Today Series, Adis Press, Australasia Pty., Ltd., PP 9-18, 1986.
3. Dajani EZ: Mucosal protective activities of misoprostol in man: An overview. In: *Gastrointestinal Cytoprotection by Prostaglandins: Focus on Misoprostol*. Eds. Bianchi Porro G, Dajani EZ, Cortina International-Verona, PP 21-32, 1987.
4. Dajani EZ, Wehrschütz E: Prostaglandins and the integrity of the gastrointestinal mucosa. In: *Erosionen in Magen und Duodenum*. Eds. Van Maercke Y, Bergemann W. VCH Publishers, New York, NY, PP 211-216, 1987.
5. Dajani EZ: Perspectives on the pharmacology of misoprostol. In: *Ulcer Disease: New Aspects of Pathogenesis and Pharmacology*. Eds. Szabo S, Pfeifer C. CRC Press, Boca Raton, Florida, Chapter 27, PP 321-334, 1989.
6. Dajani EZ, Gallo-Torres H: Pharmaceutical industry perspective of the human investigation of peptic ulcer disease. In: *Ulcer Disease: Investigation and Basis for Therapy*. Eds. Szabo S, Swabb E, Marcel Dekker, New York, PP 459-485, 1991.
7. Dajani EZ: Prostaglandins and esophageal mucosal integrity. In: *Advances in Drug Therapy of Gastroesophageal Reflux Disease*. Ed. Scarpignato E, Karger, Basel PP 307-316, 1992.
8. Dajani EZ, Agrawal NM: Prevention and treatment of gastric and duodenal ulcers induced by nonsteroidal anti-inflammatory drugs. In: *NSAIDs - Mechanisms and Clinical Use*. Eds. Lewis AJ, Furst D, Marcel Dekker, New York, PP 159-170, 1994.
9. Agrawal NM, Dajani EZ: Drug-induced ulcers. In: *Gastrointestinal Pharmacology and Therapeutics*. Eds. Friedman J, Jacobson ED, McCallum R, Lippincott-Raven Publishers, Hagerstown, Maryland, Chapter 5, PP 55-63, 1997.
10. Dajani EZ, Dajani NE, Shahwan TG: Over-the-Counter Drugs. In: *Encyclopedia of Gastroenterology*. Ed. Johnson LR, Elsevier Science., PP 16-23, 2004.

**Publications: C. Research Papers**

1. Dajani EZ: Studies on the toxicology and central nervous system pharmacology of ethylene glycol monomethyl ether in rats and mice. Unpublished Ph.D. thesis, Purdue University, 1968.
2. Dajani EZ, Driskill DR, Bianchi RG, Collins PW: Comparative gastric antisecretory and antiulcer effects of Prostaglandin E<sub>1</sub> and its methyl ester in animals. *Prostaglandins* 10:205-216, 1975.
3. Dajani EZ, Driskill DR, Bianchi RG, Collins PW, Pappo R: Influence of the position of the side chain hydroxy group on the gastric antisecretory and anti-ulcer actions of E<sub>1</sub> prostaglandin analogs. *Prostaglandins* 10:733-745, 1975.
4. Sanvordeker DR, Dajani EZ: In vitro adsorption of diphenoxylate hydrochloride on activated charcoal and its relationship to pharmacological effects of the drug in vivo. *J Pharm Sci* 64:1877-1879, 1975.
5. Dajani EZ, Roge EAW, Bertermann RE: Effects of E-prostaglandins, diphenoxylate and morphine on intestinal motility in vivo. *Europ J Pharmacol* 34:105-113, 1975.
6. Collins PW, Dajani EZ, Bruhn MS, Brown CH, Palmer JR, Pappo R: Influence of the position of the side chain hydroxyl group on the biological properties of prostaglandins. *Tetrahedron Letters* 48:4217-4220, 1975.
7. Bruhn M, Brown CH, Collins PW, Palmer JR, Dajani EZ, Pappo R: Synthesis and properties of 16-hydroxy analogs of PGE<sub>2</sub>. *Tetrahedron Letters* 4:235-238, 1976.
8. Dajani EZ, Callison DA, Bianchi RG, Driskill DR: Gastric antisecretory effects of E prostaglandins in rhesus monkeys. *Dig Dis and Sci* 21:1020-1028, 1976.
9. Dajani EZ, Callison DA: Gastric antisecretory actions of 15(S) 15-methyl prostaglandin E<sub>2</sub> methyl ester and natural prostaglandin E<sub>2</sub> in rhesus monkeys. *Prostaglandins* 11:799-808, 1976.
10. Dajani EZ, Driskill DR, Bianchi RG, Collins PW, Pappo R: SC-29333, a potent inhibitor of canine gastric secretion. *Dig Dis Sci* 21:1049-1057, 1976.
11. Mackerer CR, Clay GA, Dajani EZ: Loperamide binding to opiate receptor sites of brain and myenteric plexus. *J Pharmacol Exp Therap* 199:131-140, 1976.
12. Dajani EZ, Rozek LF, Sanner JH, Miyano M: Synthesis and biological evaluation of W-homologues of prostaglandin E<sub>1</sub>. *J Med Chem* 19:1007-1010, 1976.

13. Adelstein GW, Yen CH, Dajani EZ, Bianchi RG: 3,3-Diphenyl-3 (2-alkyl-1,3,4-Oxadiazol-5-yl) propylcycloalkylamines: A novel series of anti-diarrheal agents. *J Med Chem* 19:1221-1225, 1976.
14. Dajani EZ, Bianchi RG, East PF, Bloss JL, Adelstein GW, Yen CH: The pharmacology of SC-27166: A novel anti-diarrheal agent. *J Pharmacol Exp Therap* 203:512-526, 1977.
15. Dajani EZ, Driskill DR: Effects of 7-oxa-13-prostynoic acid (7-OPyA) and prostaglandin E<sub>1</sub> methyl ester on canine gastric secretion. *Prostaglandins* 14:659-665, 1977.
16. Collins PW, Dajani EZ, Driskill DR, Bruhn MS, Jung CJ, Pappo R: Synthesis and gastric antisecretory properties of 15-deoxy, 16-hydroxy E-prostaglandin analogs. *J Med Chem* 20:1152-1159, 1977.
17. Mackerer CR, Brougham LR, East PF, Bloss JL, Dajani EZ, Clay GA: The binding of SC-27166 [2-[3,3-diphenyl-3-(2-methyl-1,3,4-oxadiazol-5-yl)propyl]-azabicyclo [2.2.2] Octane], a new antidiarrheal agent, to opiate receptor sites of brain and myenteric plexus. *J Pharmacol Exp Therap* 203:527-538, 1977.
18. Dajani EZ, Callison DA, Bertermann RE: Effects of E-prostaglandins on canine gastric potential difference. *Dig Dis Sci* 23:436-442, 1978.
19. Dajani EZ, Callison DA, Bianchi RG: Gastric antisecretory effects of propantheline bromide and metiamide in rhesus monkeys. *Arch Int Pharmacodyn Therap* 234:107-117, 1978.
20. Dajani EZ, Driskill D: Effect of oral and intravenous propantheline bromide on pentagastrin-stimulated canine gastric secretion. *Arch Int Pharmacodyn Therap* 233:243-250, 1978.
21. Colton DG, Driskill DR, Phillips EL, Poy P, Dajani EZ: Effect of SC-29333, an inhibitor of gastric secretion, on canine gastric mucosal blood flow and serum gastrin levels. *Arch Int Pharmacodyn et Therap* 236:86-95, 1978.
22. Dajani EZ, Bertermann, RE, Roge EAW, Schweingruber FL, Woods EM: Canine gastrointestinal motility effects of prostaglandin F<sub>2</sub> alpha in vivo. *Arch Int Pharmacodyn Therap* 237:16-24, 1979.
23. Dajani EZ, Bianchi RG, Calhoun DW: Synergistic actions of propantheline bromide with cimetidine and thiopropazate hydrochloride in the prevention of stress ulcer formation in rats. *J Pharmacol Exp Therap* 210:373-377, 1979.
24. Colton DG, Callison DA, Dajani EZ: Effects of prostaglandin E<sub>1</sub> derivative, SC-29333, and aspirin on gastric ionic fluxes and potential difference in dogs. *J Pharmacol Exp Therap* 210:283-288, 1979.

25. Dajani EZ, Woods EM, Roge EAW, Bertermann RE, Schweingruber FL: Naloxone reversal of drug-induced diarrhea in mice. *Arch Int Pharmacodyn Therap* 240:340-350, 1979.
26. Dajani EZ, Bianchi RG, Casler JJ, Weet JF: Gastric antiulcer and antisecretory effect of carbenoxolone, aldosterone and desoxycorticosterone in rats. *Arch Int Pharmacodyn Therap* 242:128-138, 1979.
27. Gullikson GW, Dajani EZ, Bianchi RG: Inhibition of intestinal secretion in the dog: A new approach for the management of diarrheal states. *J Pharmacol Exp Therap* 219:591-597, 1981.
28. Dajani EZ, Driskill DR, Bianchi RG, Phillips EL, Woods EM, Colton DG, Collins PW, Pappo R: Effect of prostaglandin analogue, SC-30249, on canine gastric secretion. *Drug Dev Res* 3:339-347, 1983.
29. Collins PW, Dajani EZ, Pappo R, Gasiecki AF, Bianchi RG, Woods EM: Synthesis and gastric antisecretory properties of 4,5 unsaturated derivatives of 15-deoxy-16-hydroxy-16-methyl prostaglandin E<sub>1</sub>. *J Med Chem* 26:786-790, 1983.
30. Dajani EZ, Nissen CA: Investigations of the gastrointestinal cytoprotective effects of misoprostol: Clinical efficacy overview. *Dig Dis Sci* 30:194S-200S, 1985.
31. Collins PW, Pappo R, Dajani EZ: Chemistry and synthetic development of misoprostol. *Dig Dis Sci* 30:114S-117S, 1985.
32. Sontag SJ, Mazure PA, Pontes JF, Beker SG, Dajani EZ: Misoprostol in the treatment of duodenal ulcer: A multi-center, double-blind, placebo-controlled study. *Dig Dis and Sci* 30:159S-163S, 1985.
33. Agrawal NM, Saffouri B, Kruss DM, Callison DA, Dajani EZ: Healing benign gastric ulcer: A placebo-controlled comparison of two misoprostol dosage regimens. A synthetic analog of prostaglandin E<sub>1</sub>. *Dig Dis Sci* 30:164S-170S, 1985.
34. McGuigan JE, Chang Y, Dajani EZ: Effect of misoprostol, an antiulcer prostaglandin, on serum gastrin in patients with duodenal ulcer. *Dig Dis Sci* 31:120S-125S, 1986.
35. Dajani EZ: Is peptic ulcer a prostaglandin deficiency disease? An editorial. *Human Pathology* 17:106-107, 1986.
36. Agrawal NM, Godiwala T, Arimura A, Dajani EZ: Cytoprotection against ethanol-induced gastric mucosal damage by a synthetic prostaglandin: A double blind endoscopic study in human subjects. *Gastrointestinal Endoscopy* 32:67-70, 1986.

37. Dajani EZ: Prostaglandins, ASA and mucosal damage. *Arzneim Forsch/Drug Research* 36:1150-1151, 1986.
38. Gullikson GW, Anglin C, Kessler L, Smeach S, Bauer R, Dajani EZ: Misoprostol attenuates aspirin-induced changes in potential difference and associated damage in canine Heidenhain pouches. *Clinical Invest Med.* 10: 145-151, 1987.
39. Bertaccini G, Dajani E, Paoletti R, Watkinson G: Prostaglandins in gastroenterology--Focus on Misoprostol--Forward. *Prostaglandins* 33 (Suppl.): 1, 1987.
40. Dajani EZ: Perspective on the gastric antisecretory effects of misoprostol in man. *Prostaglandins* 33 (Suppl.): 68-77, 1987.
41. Reimann HJ, Lewin T, Schmidt U, Wendt P, Blueml G, Dajani EZ: Misoprostol prevents damage to the gastric mucosa by stabilizing the mast cells. *Prostaglandins* 33 (Suppl.):105-116, 1987.
42. Dajani EZ: Overview of the mucosal protective effects of misoprostol in man. *Prostaglandins* 33 (Suppl.):117-129, 1987.
43. Godiwala T, Agrawal NM, Groot K, Arimura, Dajani EZ: Is cytoprotection by misoprostol against ethanol-induced gastric mucosal injury in man mediated by somatostatin? *Prostaglandins* 33 (Suppl.):130-131, 1987.
44. Davis GR, Fordtran JS, Dajani EZ: Dose-response, meal-stimulated gastric antisecretory study of prostaglandin E<sub>1</sub> analog, misoprostol, in man. *Dig Dis Sci* 33:298-302, 1988.
45. Agrawal NM, Godiwala T, Arimura A, Groot K, Dajani EZ: Protective effects against alcohol insult: Does somatostatin play any role? *Post Graduate Medical Journal* 64 (Suppl. 1):15-18, 1988.
46. Dajani EZ: Prostaglandins: Pharmacology, mechanism and applications in peptic ulcer disease. *Chinese J Clin Pharmacol* 5 (2):102-117, 1989.
47. Dajani EZ, Agrawal NM: Protective and therapeutic effects of prostaglandins. *Clin Pharmacol Res* 9(6): 359-369, 1989.
48. Agrawal NM, Dajani EZ: Treatment and prevention of nonsteroidal anti-inflammatory drug-induced gastrointestinal mucosal injury. *Clin Pharmacol Res* 9 (6): 347-357, 1989.
49. Dajani EZ: Mucosal defense and concept of cytoprotection. An Editorial. *Modern Pathology* 3:3-4, 1990.
50. Agrawal NM, Dajani EZ: Options in the treatment and prevention of NSAID-induced gastroduodenal mucosal damage. *J Rheumatology* 17 (Suppl): 7-11, 1990.

51. Dajani EZ, Agrawal NM: Nonsteroidal anti-inflammatory drug-induced gastrointestinal damage in the elderly: Pathogenesis and therapeutic considerations. *Internal Medicine for the Specialist* 11 (9): 91-110, 1990.
52. Dajani EZ, Wilson DM, Agrawal NM: Prostaglandins: An overview of the worldwide clinical experience. *J Assoc Acad Min Physicians* 2:23-25, 1991.
53. Dajani EZ, Penin VA, Sokolov LK, Vahtangishvilli R, Bogdanov A, Afonskaya N, Ivanishvilli L, Zharova Y., Efremova I: Misoprostol and dalargin for the in-patient treatment of duodenal ulcer in the U.S.S.R. *J Assoc Acad Min Physicians* 2:18-22, 1991.
54. Dajani EZ: Review of book entitled "Clinical Investigation of gastric function." *Gastroenterology* 100:1478-1479, 1991.
55. Agrawal NM, Patel R, Mahatma M, Dajani EZ: Nonsteroidal anti-inflammatory drugs and acute upper gastrointestinal bleeding: A prospective study. *J Assoc Acad Min Physicians* 2:64-66, 1991.
56. Dajani EZ: Misoprostol: Pharmacology, pharmacokinetics and mechanisms of action. *Experimental and Clinical Gastroenterology* 1:97-106, 1991.
57. Mahatma M, Agrawal N, Dajani EZ, Nelson S, Nakamura C, Sitton J: Misoprostol but not antacid prevents endotoxin-induced gastric mucosal injury: Role of tumor necrosis factor- $\alpha$ . *Dig Dis Sci* 36:1562-1568, 1991.
58. Dajani EZ, Straus E: Editorial Overview. In: *Updates in Acid Peptic Disorders*. Eds. Dajani EZ, Straus EW: A special edition of the *J Assoc Acad Minority Physicians* 3:69, 1992.
59. Dajani EZ, Trotman BW: Drugs for the treatment of peptic ulcers. In: *Updates in Acid Peptic Disorders*. Eds. Dajani EZ, Straus EW: A special edition of the *J Assoc Academic Minority Physicians* 3:78-88, 1992.
60. Arakawa T, Kobayashi K, Dajani EZ: Refractory peptic ulcers. In: *Updates in Acid Peptic Disorders*. Eds. Dajani EZ, Straus EW: A Special edition of the *J Assoc for Academic Minority Physicians* 3: 95-102, 1992.
61. Agrawal NW, Dajani EZ: Prevention and treatment of ulcers induced by nonsteroidal anti-inflammatory drugs. *J Assoc Acad Minority Physicians* 3: 142-148, 1992.
62. Larsen KR, Dajani EZ, Ives MM: Anti-ulcer drugs and gastric mucosal injury: Effects of misoprostol, 16, 16-dimethyl PGE2 and cimetidine on hemodynamics and metabolic rate in the canine gastric mucosa. *Dig Dis Sci* 37: 1029-1038, 1992.

63. Dajani EZ, Wang B, Pei Y, Pan G, Chen S, Zheng Z, Li Y, Zhu W, Wang J, Yuan S, Yu Y, Yao ZJ: Misoprostol in the treatment of duodenal ulcers in the People's Republic of China: A comparative, double-blind multicenter study. *Drug Development Research* 27: 415-423, 1992.
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