

CURRICULUM VITAE

NAME: John W. Harmon, MD

CURRENT POSITION:

Professor of Surgery
The Johns Hopkins University School of Medicine
Baltimore, Maryland 21205

Staff Surgeon and Director of Surgical Research
Johns Hopkins Bayview Medical Center
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Baltimore, Maryland 21224

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EDUCATION:

1965 Harvard College, BA

1969 Columbia University, College of Physicians and Surgeons, MD

**POSTGRADUATE
TRAINING:**

1969-75 Surgical Internship and Residency-Harvard Surgical Service. Boston
City / New England Deaconess-Beth Israel Residency Program.

POSITIONS:

1975-85 Surgical Investigator and then Director, Division of Surgery, Walter
Reed Army Institute of Research, and Staff Surgeon, General Surgery
Service, Walter Reed Medical. Rose to Professor of Surgery at the
Uniformed Services University of the Health Science.

1985-96 Chief of Surgery, Veterans Administration Medical Center and

Professor of Surgery at Georgetown and George Washington Universities, Washington, DC.

1996-present

Professor of Surgery, Johns Hopkins University School of Medicine, and Director of Surgical Research Johns Hopkins Bayview Medical Center, Baltimore, MD. Department Chair at Bayview 1996-2001

AREAS OF SPECIAL INTEREST:

Gastro-esophageal Carcinogenesis
Wound Healing

RESEARCH FELLOWS:

Keith Lillemoe, MD (Johns Hopkins)
Adam Dziki, MD (Lodz, Poland)
Lloyd McKie, MD (Belfast, N. Ireland)

Ragu Chapparrala, MD (Detroit, MI)
Karim Trad, MD (Beruit, Lebanon)
Clayton Shatney, MD (Stanford University)
Richard Perry, MD (Eastern VA University)
Faiz Bhora, MD (UCLA, Los Angeles, CA)
Martin Tchorzewski, MD (Lodz, Poland)
Anil Bahadursingh, MD (Pittsburg, PA)

Barbara Bass, MD (University of MD)
Eugene Schweitzer, MD (University of MD)
Anton Sidawy, MD (GWU and
GTU Washington, DC)
Richard Malthaner, MD (Toronto, Canada)
Bert Peterson, MD (New York, NY)
John Jaffin, MD (US Army)
Mark Duncan, MD (Johns Hopkins)
Kurt Bamberger, MD (US Army)
Faisal Qureshi, MD (New York, NY)
Colman Byrnes (Belfast, Ireland)

AWARDS:

1965 Davis Mason Little Award, Adams House, Harvard College

1969 Merck Prize Columbia University, College of Physicians and Surgeons

1982 William Beaumont Society Annual Award for Excellence in Clinical Research in Gastroenterology

1984 Washington Academy of Surgery First Prize for Surgical Research Fellow

1993 Barry Goldwater Faculty Award- Uniformed Services University of the Health Sciences.

1994 Invited Scientific Presentation at 25th Reunion-Columbia College of Physicians and Surgeons, Class Day

2001 Award for Best Paper by a Research Fellow: Colman Byrnes. Wound Healing Society, Annual Meeting. Plenary Session.

2005 Selected for the TOP group of Translational Research Investigators and Johns Hopkins

PROFESSIONAL SOCIETIES:

Alpha Omega Alpha
American College of Surgeons
American Association of Endocrine Surgeons
American Surgical Association
Association for Academic Surgery
American Physiological Society
Collegium International Chirurgiae Digestivae
Pancreas Club
Surgical Biology Club III
Southern Surgical Association
The Society for Surgery of the Alimentary Tract

UNIVERSITY COMMITTEES

Curriculum Committee-Uniformed Services University of the Health Sciences 1978-1982
Faculty Senate-USUHS, 1980-1982
Vice President, Faculty Senate USUHS, 1981-1982
Chairman, Faculty Senate Curriculum Committee, USUHS, 1980-1981

Practice Management Committee-Johns Hopkins Bayview Medical Center 1996-2000
Medical Staff-Johns Hopkins Bayview Medical Center 1996-2000
Executive Quality Medical Committee, Johns Hopkins Bayview Medical Center 1996-2000

NATIONAL RESEARCH PEER REVIEW

Surgery and Bioengineering Study Section, National Institutes of Health - Army Liaison -1983 to 1987
Ad hoc member - NIH Surgery and Bioengineering Study Section, 1987
Chairman, NIH Study Section, Surgery and Bioengineering, Small Business Innovation Research, March, 1991
Ad hoc member - VA Surgery Merit Review Board, March 1992
VA Study Section-Surgical Merit Review Board. Program Specialist. 1994-1997.

MEDICAL PUBLIC POLICY

Member of NATO Panel VIII Physics and Medicine of Wound Ballistics/Casualty Care - 1983 to 1986

Member NIH Consensus Conference - Role of Hemostatic/Endoscopic Therapy for Bleeding Ulcers, March 6-8, 1989

Presenting Consultant for HCFA. Topic: Laser fragmentation of gallstones. ICD-9-CM Coordination and Maintenance Committee. December 4, 1989

Institute of Medicine - Task Force on Clinical Research in Surgery, April 1992

Planning Committee to Develop Research Initiatives, NIH Workshop: Chronic Wound Healing. Jan 11-12, 1993

MILITARY:

COLONEL, US Army Reserve Medical Corps - 1987-present

Professor, Uniformed Services University of the Health Sciences - 1985-present

Highest military decoration - Meritorious Service Medal. Awarded for accomplishments in research at Walter Reed Army Institute for Research, 1984.

"A" Proficiency Designator for Exceptional Professional Ability - 11 July 1988.

Expert Field Medical Badge 1981

LICENSE: District of Columbia - License #15104
Maryland - License #D0051080

BOARDS:

Certified by American Board of Surgery in General Surgery in 1976, Certificate #21948
Recertified, 1985 and 1995

Certified by American Board of Surgery in Surgical Critical Care, 1992. Certificate #760.

DATE OF BIRTH: 22 April 1943

CITIZENSHIP: United States

MARITAL STATUS: Married to Gail McGreevy Harmon
Son: James Milton, born 1971
Daughter: Eve Page, born 1974

PUBLICATIONS:

(Most significant in bold)

1. Harmon J, Cady B. Fatal recurrence of gastric adenocarcinoma 11 and 12 years after incomplete resection. *Lahey Clinic Foundation Bulletin* 10:108-113, 1971.
2. Braasch, J, Harmon JW. Obstruction of the common bile duct by biliary duct carcinoma, chronic pancreatitis and pancreatic calculus in common duct. *Ann Surg* 176:13-15, 1972.
3. Lindenbaum J., Harmon JW, Gerson KO. Subclinical malabsorption in developing countries. *Am J Clin Nut* 25:1056-1061, 1972.
4. **Harmon JW, Aliapoulios MA. Gynecomastia in marijuana users. *New Eng J Med* 187:936, Nov 1972. (Letter. This and #6&10 were covered in news stories in NY Times, Boston Globe, Newsweek, NBC TV News special, and many others)**
5. Harmon JW, Hoar CS. Femoral popliteal bypass in 29 diabetics. *Arch Surg* 106:282-285, 1973.
6. Harmon JW, Aliapoulios MA. Marijuana induces gynecomastia: clinical and laboratory experience. *Surg Forum* 24:423-425, 1974. (Presented at the American College of Surgeons)
7. Warren K, Harmon JW. Hepatico-gastrostomy: Therapeutic alternative or ulcerogenic preparation. *Ann Surg* 181:5-8, 1975.
8. Harmon JW, Skornik WA, McDonald J, Dressler DP. Pulmonary bacterial defense: Effect of the burn wound on transfer of alveolar macrophage activation in rats by parabiosis. *Am J Surg* 131:447-451, 1976.
9. Gurll NJ, Harmon JW, Callahan W: the effect of acid load and acetazolamide on acid loss in distal duodenal pouches. *Surgical Forum* 27:440-442, 1976.
10. Harmon JW, Locke D, Aliapoulios MA, MacIndoe JH. Interference with testicular development by delta tetrahydrocannabinol. *Surgical Forum* 27:350-352, 1976. (Presented at American College of Surgeons).
11. Harmon JW, Trout HH, Gurll NJ, Carmer JW. Effect of proximal gastric vagotomy on gastric emptying of semisolid food slurry. *Gastroenterology* 79:944, 1976(A).
12. Trout HH, Carmer JW, Harmon JW. Gastric acid secretion in gastric fistula dogs following antral denervation and antrectomy. *Gastroenterology* 79:944, 1976(A).

13. Gurll NJ, Harmon JW. Canine duodenal mucosal neutralization acid. *The Physiologist* 19:213, 1976. (Presented to American Physiological Society). (A)
14. Harmon JW, Aliapoulios M, Braasch JW. The excluded small bowel segment - a source of complications after small-bowel bypass. *Arch Surg* 11:953-954, 1976. (Invited presentation American Society of Abdominal Surgeons, 1977 Annual Clinic Conference).
15. **Harmon JW, Zinner MJ, Reynolds DG. Comparison of Portal Flow Distribution after Portacaval and Mesocaval Shunts. *J of Surg Research* 22:343-347, 1977. (Presented at the Association for Academic Surgery).**
16. Trout HH, Elashoff J, Harmon JW. Gastric acid secretion in gastric fistula dogs following antral denervation and antrectomy. *Gastroenterology* 73:492-494, 1977
17. Harmon JW, Woods M. Canine duodenal mucosa has an independent mechanism for bicarbonate neutralization of acid. *Surgical Forum* 28:421-423, 1977.
18. Schoemaker RH, Harmon JW. Suggested mechanism for the demasculinizing effect of marijuana. *Fed Proc* 36:395, 1977. (A) (Presented at American Physiological Society).
19. Gurll NJ, Harmon JW. Cyanide enhances proton conductance across canine duodenal mucosa. *The Physiologist* 1977. (A) (Presented at American Physiological Society).
20. Trout HH, Lewis C, Harmon JW. The relative effects of lesser curvature and esophageal vagotomy on the acid secretory effect of proximal gastric vagotomy. (Presented at the Society of Alimentary Tract Surgery). *Am J Surg* 135:102-109, 1978.
21. Harmon JW, Doong T, Gadacz TR. Bile acids are not equally damaging to the gastric mucosa. (Presented University Surgeons). *Surgery* 84:79-86, 1978.
22. Harmon JW, Trout HH. Effect of proximal gastric vagotomy on feeding stimulated Heidenhain pouch acid secretion and gastrin release. *Ann Surg* 188:647-651, 1978.
23. **Harmon JW, Woods M, Gurll NJ. Different mechanisms of hydrogen ion removal in stomach and duodenum. *Am J Physiol* 235(6):E692-E695, 1978.**
24. Trout HH, Lewis DC, Harmon JW. Gastrin and its analogs are not strong stimulants for gastric acid secretion in the Rhesus monkey. *Fed Proc* 37:495, 1978 (A) (Presented at American Physiological Society, 1978).
25. Harmon, J.W., Johnson, L.F., Maydonovitch, C.L.: Effects of different bile salts on hydrogen ion permeability of the rabbit esophagus. *Clinical Research* 26:17A, 1978.

26. Harmon JW, Clark C. The effect of the luminal Ph on recovery of the gastric mucosa bile induced injury. *Circulatory Shock* 5:189, 1978 (A).
27. Harmon JW, Johnson LF, Maydonovitch CL. Bile acids have different effects on the hydrogen permeability of the esophageal mucosa. *Gastroenterology* 74:1044, 1978 (A).
28. Harmon JW, Clark C. Recovery of the gastric mucosa from bile induced injury. In Shumer W, Spitzere JJ, Marshall BE (ed.): "Advances in Shock Research." Vol II New York: Alan Liss, 1979.
29. Harmon JW. Gastric stress ulceration: Current concepts of pathophysiology and therapy. *Military Medicine* 144:291-296, 1979
30. Harmon JW, Wright JA, Noel J, Cogan M. Fate or dacron prostheses in the small bowel of rabbits. *Surgical Forum* 30:365-366, 1979.
31. Gurll N, Harmon JW. Blockage of histamine H1 and H2 receptors does not prevent increase in cation permeability due to bile salt. *Gastroenterology* 76:1146, 1979 (A).
32. Harmon JW, Johnson LF, Maydonovitch C. Effect of hydrochloric acid with and without bile acids on the hydrogen ion permeability of the rabbit esophagus. *Gastroenterology* 76:1151, 1979 (A).
33. Harmon JW, Johnson LF, Maydonovitch C. The effect of 16, 16 dimethyl-prostaglandin E2 (PGE2) on bile induces increases in hydrogen ion permeability of the rabbit esophagus. *Gastroenterology* 76:1151, 1979 (A).
34. Taylor IK, Harmon JW, Trout HH, Walsh JH. The effect of antrectomy on the pancreatic polypeptide (PP) responses to food. *Gastroenterology* 76:269, 1979 (A).
35. Shatney CH, Harmon JW. Visceral blood flow after canine portasystemic shunting. *Gastroenterology* 76:1299, 1979 (A).
36. Harmon JW, Johnson LF, Maydonovitch C. The effect of bile acid on the rabbit esophageal mucosa. *Clinical Research* 27:267A, 1979 (A) (Presented, National Meeting, AFCR, 1979).
37. Harmon JW, Lewis CD. Effect of 16, 16-dimethyl- prostaglandin E2 (PGE on ion fluxes of canine gastric mucosa exposed to bile acid. *Clinical Research* 267A, 1979 (A) (Presented, National Meeting, AFCR, 1979).
38. Harmon JW, Johnson LF, Maydonovitch, CL. Use of THO to measure unidirectional water flux across rabbit esophagus. *Fed Poc* 39:2372, 1980 (A) (Presented, National Meeting, AFCR, 1979).

39. Harmon JW, Gadacz TR, Weichbrod RH, Hofmann, AW. Effect of monoctanion (MO) on canine gastric mucosa. *Gastroenterology* 78:1179, 1980 (A) (Presented at American Gastroenterological Society).
40. Harmon JW, Johnson LF, Maydonovitch CL. Do bile salts cause hydrogen ion back diffusion from the rabbit esophagus. *Clinical Research* 28:277A, 1980 (A).
41. Harmon JW, Johnson LF, Maydonovitch CL. Effects of 16-16-Dimethyl PGE₂ on bile induced increases in H⁺ permeability of rabbit esophagus. In Samuelsson B, Ramwell PW, Paoletti R (ed.): *Advances in Prostaglandin and Thromboxane Research*, Vol. 8, New York: Raven Press, 1980.
42. Hirata R, Lough FC, Harmon JW, Beam T, Jacques R. Repair of a mammoth inguinal hernia. Movie produced by the Walter Reed Army Institute of Research. Presented at the American College of Surgeons, October 1980: Spectacular Problems in Surgery Session. Winner of Association of Military Surgeons of the United States Honor Award, 1979.
43. Graeber GM, Cafferty PJ, Reardon MJ, Curley CP, Harmon JW. Elevations of serum creatine phosphokinase in experimental mesenteric infarction. *Surgical Forum* 31:148-150, 1980. (Presented ACS 1980).
44. Brewer TG, Dunn MA, Berry WR, Harmon JW. Urea synthesis reflects hepatic mass in rats. *Gastroenterology* 79:1007, 1980 (A) (Presented AASLD, 1980).
45. **Williford DJ, Ormsbee HS, Norman WP, Harmon JW, Garvey TQ, Gillis RA. Hindbrain GABA Receptors Influence Parasympathetic Outflow to the Stomach. *Science* 214:193194, 1981.**
46. **Harmon JW, Johnson LF, Maydonovitch CL. Effects of acid and bile acid salts on the rabbit esophageal mucosa. *Digestive Diseases and Sciences* 26 (10:65-72), 1981.**
47. **Harmon JW, Lewis, CD, Gadacz T. Bile salt composition and concentration as determinants of canine gastric mucosal injury. *Surgery* 89:348-354, 1981.**
48. Graeber GM, Cafferty PJ, et al Changes in serum total creatinine phosphokinase (CPK) and its isoenzymes caused by experimental ligation of the superior mesenteric artery. *Ann Surg* 193(4):499-505, 1981.
49. Lillemoe KD, Harmon JW, Gadacz TR, Hofmann, AW, Weichbrod R. Effects of taurochenodeoxycholic and tauroursodeoxycholic acids on gastric mucosa. *Gastroenterology* 80(5):1214, May 1981 (A).
50. Lillemoe KD, Harmon JW. Barrier function of canine gastric mucosa is not protected by prior exposure to bile acids. *Gastroenterology* 80(5):1213, May 1981 (A).

51. Berry WR, Shatney CH, Harmon JW. Evaluation of a radioactively tagged microsphere method for measuring total hepatic blood flow. *Gastroenterology* 80(5):1110, May 1981 (A).
52. **Taylor IL, Kauffman GL, Jr, Walsh JH, Trout H, Chew P, Harmon JW. Role of the small intestine and gastric antrum in pancreatic polypeptide release. *Am J Physiol* 240:G387-G391, 1981.**
53. **Harmon JW, Jordan PH. Verdict on vagotomy. *Gastroenterology* 81:809-810, 1981. Editorial**
54. Harmon JW, Lewis C. Effects of intravenous 16, 16-dimethyl prostaglandin E2 on bile salt induced injury to gastric mucosa in canine Heidenhain pouches. *Prostaglandins* 81:103-112, 1981.
55. Lillemoe K, Berry W, Harmon JW, Weichbrod R, Cogen M. Use of vascularized abdominal wall pedicle flaps to grow small bowel neomucosa. *Surgical Forum* Vol. XXXII, 8-84, 1981 (Presented at American College of Surgeons, 1981).
56. Graeber GM, Wukich DK, Cafferty PJ, O'Neil JF, Wolf RE, Ackerman NB, Harmon JW. Changes in peripheral serum creatine phosphokinase (CPK) and lactic dehydrogenase (LDH) in acute experimental colonic infarction. *Ann Surg* 194:708-715, 1981.
57. **Harmon JW (editor) Basic mechanisms of gastrointestinal mucosal cell injury and protection. Williams and Wilkins Baltimore MD 415 pp, 1981.**
58. Harmon JW. Gastric mucosal injury by bile acids: Pathophysiological studies. In Harmon JW (ed.). *Basic Mechanisms of Gastrointestinal Mucosal Cell Injury and Protection*. Williams and Wilkins, Baltimore, MD, pp 109-138, 1981.
59. **Lillemoe KD, Berry WR, Harmon JW, Tai YH, Weichbrod RH, Cogen MA. Use of vascularized abdominal wall pedicle flaps to grow small bowel neomucosa. *Surgery* 91:293-300, 1982.**
60. Gurll NJ, Harmon JW, Reynolds DG. Histamine H1 and H2 receptor blockade does not maintain electrochemical gradients across canine gastric mucosa exposed to bile salt. *Digestive Disease and Sciences* 27:538-544, 1982.
61. Batzri S, Harmon JW, Thompson WF, Walker MD. Interaction of the H2-antagonist, 3H-Tiotidine with mucosal cells from guinea pig stomach. *Gastroenterology* 82:1014, 1982 (A).
62. Kidder GW, Lillemoe KD, Harmon JW, Bunte RM, Johnson LF. Effects of ursodeoxycholic (UDC) and chenodeoxycholic (CDC) acids on rabbit esophageal mucosa. *Gastroenterology* 82:1099, 1982 (A) (Presented at the American Gastroenterology Association, 1982).

63. Kidder GW, Lillemoe KD, Harmon JW, Maydonovitch CL, Bunte RM, Johnson, LF. In vivo measurement of transepithelial electrical resistance in the rabbit esophagus: A new parameter of esophageal mucosal injury. *Gastroenterology* 81:1100, 1982 (A).
64. Lillemoe KD, Harmon JW, Johnson LF, Cogen MA, Bresch JR. Indomethacin protects against acid-induced esophagitis in rabbits. *Gastroenterology* 82:1118, 1982 (A).
65. Lillemoe KD, Harmon JW, Wong RKH, Boedeker HB, Johnson LF. Effect of lithium chloride on gastric acid secretion and gastric mucosal barrier function in the canine Heidehain pouch. *Gastroenterology* 82:1119, 1982, (A).
66. Batzri S, Harmon JW, Walker MD, Thompson WF, Toles R. Secretion of intrinsic factor from dispersed mucosal cells isolated from guinea pig and rabbit stomach. *Biochem Biophys Acta* 720:217-221, 1982.
67. Shatney CH, Harmon JW, Rich NW. Hepatic blood flow after canine portasystemic shunting. *Ann Surg* 196:153-161, 1982.
68. Batzri S, Harmon JW, and Thompson WF. Interaction of histamine with gastric mucosal cells. Effect of histamine H₂ antagonists on binding and biological response. *Molecular Pharmacology* 22:41-47, 1982.
69. Batzri S, Harmon JW, and Thompson WF. Interaction of histamine agonists on binding and biological response. *Molecular Pharmacology* 22:33-40, 1982.
70. Batzri S, Harmon JW, Walker MD. Identification of (3H) H histamine binding sites on gastric mucosal cells unrelated to histamine h₂-receptors. *Biochem Biophys Res Comm* 108:965-969, 1982.
71. Lillemoe KD, Johnson LF, Harmon JW. Role of the components of gastroduodenal contents in alkaline esophagitis. *Surgical Forum* 33:141-144, 1982.
72. Shatney CH, Harmon JW, Rich NM. Effects of portasystemic shunting on visceral and portal blood flow in the dog. *Gastroenterology* 82:1170-1176, 1982.
73. Harmon JW, Seid W. Surgical approaches to studying gastrointestinal physiology. In Titchen DA (ed.), *Techniques in Digestive Physiology*, County Clare, Ireland, Elsevier Scientific Publishers Ireland Ltd 204:1-20, 1982.
74. Lillemoe KD, Gadacz TR, Harmon JW. Effect of mono-octanoin on canine gastric mucosa. *Surg Gyn & Obst* 155:13-16, 1982.

75. Lillemoe KD, Harmon JW. Search for adaptive cytoprotection in canine gastric mucosa. *Surg Gyn & Obst* 155:833-838, 1982.
76. **Lillemoe KD, Johnson LF, Harmon JW. Role of the components of the gastroduodenal contents in experimental acid esophagitis. *Surgery* 92:276-284, 1982.**
77. Lillemoe KD, Johnson LF, and Harmon JW. Role of the components of gastroduodenal contents in alkaline esophagitis. *Surgical Forum* 33:141-144, 1982 (Presented at the American College of Surgeons, 1982).
78. Lillemoe KD, Harmon JW, Gadacz TR, Cogen M, Bresch J, Schweitzer EJ. Cromolyn sodium inhibits pentagastrin and carbachol stimulated gastric acid secretion. *Gastroenterology* 84:1231, 1983
79. Lillemoe KD, Johnson LF, Harmon JW. Bile acids protect against pepsin induced experimental esophagitis. *Gastroenterology* 84:1231, 1983 (A).
80. Harmon JW and Haluzka M. Care of blast-injured casualties with gastrointestinal injuries. *Mil Med* 148:586-588, 1983.
81. Lillemoe KD, Harmon JW, Wong RKH, Boedeker HB, Johnson LF. Effect of LiCl on gastric acid secretion and mucosal barrier function. *Journal of Surgical Research* 35:50-56, 1983.
82. **Lillemoe KD, Johnson LF, Harmon JW. Alkaline Esophagitis: A comparison of the ability of components of gastroduodenal contents to injure the rabbit esophagus. *Gastroenterology* 85:621-8, 1983.**
83. **Lillemoe KD, Gadacz TR, Harmon JW. Bile absorption occurs during disruption of the esophageal mucosal barrier. *Journal of Surgical Research* 35:5762, 1983.**
84. Graeber GM, O'Neill JF, Wolf, RE, Wukich D, Cafferty PJ, Harmon JW. Elevated levels of peripheral serum creatine phosphokinase with strangulated small bowel obstruction. *Archives of Surgery* 118:837-840, 1983.
85. Schweitzer EJ, Bass BL, Batzri S, Harmon JW. Esophageal Mucosa: A bile acid sink in the rabbit. *Surgical Forum* 34:152-154, 1983.
86. Bass BL, Tai YH, Schweitzer EJ, Harmon JW. Neogut: Anatomic and physiologic properties of transplanted fetal intestine. *Surgical Forum* 34:181-183, 1983.
87. **Kidder III GW, Lillemoe KD, Harmon JW, Maydonovitch CL, Bunte RM, Johnson LF. Evaluation of in vivo measurement of transesophageal mucosal injury. *The Journal of Laboratory and Clinical Medicine* 102:477-486, 1983.**

88. Lillemoe KD, Kidder GW, Harmon JW, Gadacz TR, Johnson LF, Bunte RM, and Hofman AF. Tauroursodeoxycholic acid is less damaging than taurochenodeoxycholic acid to the gastric and esophageal mucosa. *Dig Dis and Sciences* 28:359-364, 1983.
- 89. Lillemoe KD, Brigham RA, Harmon JW, Feaster MM, Saunders JR, and d'Avis JA. Surgical management of small bowel radiation enteritis. *Arch Surgery* 118:905-908, 1983.**
90. Harmon JW, Lillemoe K, Johnson LF. Pathophysiology of acid and alkaline esophagitis in rabbit model. In Allen A et al (ed): *Mechanisms of Mucosal Protection in the Upper Gastrointestinal Tract*. Washington DC: Raven Press. pp. 81-89, 1984.
- 91. Harmon JW, Llewellyn C. Lessons of the Falklands. *Medical Bulletin 7th MEDCOM*. 41:11-13, 1984**
92. Harmon JW, Dubois A, Weichbrod RH, Batzri S. H1 and H2 antagonists inhibit secretion in the awake guinea pig. *Federation Proceedings* 43:1074, 1984. (A).
93. Batzri S, Weichbrod RH, Harmon JW, and Dubois A. Acid secretion in a chronic awake guinea pig model: Effects of Omeprazole and Cimetidine. *Gastroenterology* 86:1022, 1984 (A).
94. Cherner JA, Raufman JP, Doppman JL, Krudy AG, Collen MJ, Norton JA, Harmon JW, Maton PN, Howard JM, McArthur KE, Gardner JD, Jensen RT. A prospective evaluation of percutaneous transhepatic portal-venous sampling for gastrin in localizing gastrinomas in patients with Zollinger-Ellison syndrome (ZES). *Gastroenterology* 86:1046, 1984 (A).
95. Schweitzer EJ, Bass BL, Johnson LF, Harmon JW. Sucralfate blocks pepsin induced esophageal injury in rabbits. *Gastroenterology* 86:1241, 1984 (A).
96. Schweitzer EJ, Harmon JW, Bass BL, Batzri S. Bile acids enter the esophageal mucosa before disrupting the mucosal barrier. *Gastroenterology* 86:1241, 1984 (A).
97. Graeber GM, Wolf RE, Harmon JW. Serum creatine kinase and alkaline phosphatase in experimental small bowel infarction. *Journal of Surgical Research* 37:25-32, 1984.
- 98. Bass BL, Schweitzer EJ, Harmon JW, Kraimer J. H⁺ back diffusion interferes with intrinsic reactive regulation of esophageal mucosal blood flow. *Surgery* 96:404-413, 1984.**
99. Graeber GM, Cafferty PJ, Wolf RE, Harmon JW. An analysis of creatinine phosphokinase in the mucosa and the muscularis of the gastrointestinal tract. *Journal of Surgical Research* 27:376-378, 1984.

100. **Harmon JW, Norton JA, Collen MJ, Krudy AG, Shawker TH, Doppman JL, d'Avis J, Jensen RT. Removal of Gastrinomas for Control of Zollinger-Ellison Syndrome. Ann. Surg. 200:4, 396-404, 1984. (Presented at American Surgical Association Annual Meeting)**
101. Sampson JA, Bass BL, Harmon JW, Holaday J. Naloxone reduces renal blood flow in rabbit hemorrhagic shock. *Surgical Forum* 35:22-24, 1984.
102. Brewer TG, Berry WR, Harmon JW, Walter SH, Dunn MA. Urea synthesis after protein feeding reflects hepatic mass in rats. *Hepatology* 4:905-911, 1984.
103. Bass BL, Schweitzer EJ, Harmon JW, Yuan-Heng T, Sjogren RW, Kraimer J. Anatomic and physiologic characteristics of transplanted fetal rat intestine. *Ann Surg* 200(6):734-741, 1984.
104. **Schweitzer EJ, Harmon JW, Bass BL, Batzri S. Bile acid efflux precedes mucosal barrier disruption in the rabbit esophagus. Am J Physiol 247(10):G480-G485, 1984.**
105. **Schweitzer EJ, Bass BL, Johnson LF, Harmon JW. Sucralfate prevents experimental peptic esophagitis in rabbits. Gastroenterology 88:611-619, 1984**
106. Batzri S, Dubois A, Harmon JW, Moskowitz D. Demonstration of direct influence of histamine H₂-receptors on gastric emptying in guinea pig using histamine antagonists and omeprazole. *Gastroenterology* 88:1318, 1985. (A).
107. Cousar CD, Johnson LF, Harmon JW. Aprotinin prevents trypsin-alkaline esophagitis. *Gastroenterology*, 88:1356, 1985. (A)
108. Harmon JW, Moskowitz D, Brugada O, Batzri S. Basal and stimulated gastric mucosal secretory parameters of the guinea pig in vivo. *Federation Proceedings* 44(3):1205, 1985. (A)
109. Batzri S, Brugada O, Harmon JW. Gastric secretion in vivo and gastric ATPase in vitro: Effect of tricyclic antidepressants. *Federation Proceedings* 44(3):1205, 1985. (A)
110. Batzri S, Harmon JW, Toles R. bile acid accumulation in gastric mucosal cells. *Digestive Diseases and Sciences* 30(4):368, 1985 (A).
111. Schweitzer EJ, Johnson LF, Harmon JW. Pathogenesis of bile induced mucosal injury in the rabbit esophagus. *Digestive Diseases and Sciences*, 30(4):400, 1985.(A)
112. Lillemo KD, Johnson LF, Harmon JW. Taurodeoxycholate modulates the effects of pepsin and trypsin in experimental esophagitis. *Surgery* 97(6):662-667, 1985.
113. Trout HH, Zinner M, Harmon JW. Stimulation of gastric acid secretion in the rhesus monkey. *Digestive Disease and Sciences*, 30(1):82-87, 1985.

114. Sampson JA, Bass BL, Harmon JW, Holaday J. Investigation of the hypertensive effect of TRH in rabbit hemorrhagic shock. *Circulatory Shock* 16(1):62, 1985 (A).
115. Kinney RC, Holaday JW, Harmon JW. Naloxone decreases neurologic deficits in experimental aortic cross-clamping ischemia. *Surgical Forum* 36:460-2, 1985.
- 116. Bass BL, Schweitzer EJ, Harmon JW. Intraluminal pCO₂: A reliable indicator of intestinal ischemia. *J Surg Res* 39:351, 1985.**
117. Chamberlin W, Wong RKH, Maydonovitch C, Chaparala RC, Manning R, Harmon JW. Effect of lithium chloride (LiCl) on acid secretion in vagotomized and non-vagotomized canine gastric pouches. *Gastroenterology* 90(5):1369, 1986. (A)
118. Batzri S, Harmon JW, Toles R. Bile acid uptake by gastric mucosal cells: A phenomenon of potential importance in mucosal injury. *Gastroenterology* 90(5):1339, 1986. (A)
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