

- **Name:** Ryoji Fukushima
- **Current Position:** Professor of Surgery, Teikyo University, School of Medicine, Tokyo Japan
- **Country:** Japan
- **Educational Background:** Hokkaido University, School of Medicine, Sapporo Japan, 1983-M.D.
University of Tokyo, Tokyo, Japan, 1992-Ph.D.
- **Professional Experiences:**
Junior resident, Department of Surgery, University of Tokyo 1983-1984.
Staff surgeon, Tokyo Koseinenkin Hospital. 1984-1985
Staff surgeon, Tokyo Metropolitan Bokuto Hospital. 1985-1987
Assistant Surgeon, Department of Surgery, University of Tokyo since 1989.
Research Fellow, Department of Surgery, University of Cincinnati, Cincinnati Ohio USA. 1990-1992
Assistant Surgeon and Instructor, Department of Surgery, University of Tokyo since 1993.
Assistant Professor of Surgery, Teikyo University, School of Medicine, Tokyo Japan since 1995.
Associate professor of Surgery, Teikyo University, School of Medicine, Tokyo Japan since 2003.
Professor of Surgery, Teikyo University, School of Medicine, Tokyo Japan since 2006.
- **Professional Organizations:**
Japan Society for Surgical Metabolism and Nutrition: The chief of the board of directors since 2014
International Society of Surgery
Japanese Society for Parenteral and Enteral Nutrition (JSPEN): Board member
American Society for parenteral and enteral nutrition (ASPEN)
European Society for Clinical Nutrition and Metabolism (ESPEN)
Japan Society of Surgical infection: Board member
The Japanese College of Surgeons: Board member
Japan Surgical Society: Council member
Japan Surgical Association: Council member
The Japanese Society of Gastroenterological Surgery: Council member
The Japan Society of Clinical Oncology: Council member
The Japan Esophageal Society: Council member
Japanese Society for Abdominal Emergency Medicine: Council member
Japanese Gastric Cancer Association: Council member
Japan Society for Endoscopic Surgery
Japan Gastroenterological Endoscopy Society
The Japanese Society of Gastroenterology
Surgical Infection Society, USA
- **Past president:**
50th Annual meeting of Japan Society for Surgical Metabolism and Nutrition; 2013
29th Annual meeting of the Japan Society of Surgical infection; 2016
- **President elect:**
34th Annual meeting of Japanese Society for Parenteral and Enteral Nutrition (JSPEN); 2018
- **Main Scientific Publications:**
 1. Yaguchi Y, Kumata Y, Horikawa M, Kiyokawa T, Iinuma H, Inaba T, Fukushima R: Clinical Significance of Area of Psoas Major Muscle on Computed Tomography after Gastrectomy in Gastric Cancer Patients. *Ann Nutr Metab* 2017, 71:145-149.
 2. Klek S, Chourdakis M, Abosaleh DA, Amestoy A, Baik HW, Baptista G, Barazzoni R, Fukushima R, Hartono J, Jayawardena R et al: Health insurance or subsidy has universal advantage for management of hospital malnutrition unrelated to GDP. *Asia Pac J Clin Nutr*. 2017 Mar;26(2):247-254.
 3. Takagane A, Mohri Y, Konishi T, Fukushima R et al: Randomized clinical trial of 24 versus 72 h antimicrobial prophylaxis in patients undergoing open total gastrectomy for gastric cancer. *Br J Surg*. 2017 Jan;104(2):e158-e164.

4. Fukushima R: Frontier in perioperative management—Enhanced recovery after surgery. *Nihon Geka Gakkai zasshi* 2015, 116:225-227.
5. Yamada T, Hayashi T, Aoyama T, Shirai J, Fujikawa H, Cho H, Yoshikawa T, Rino Y, Masuda M, Taniguchi H, Fukushima R, et al: Feasibility of enhanced recovery after surgery in gastric surgery: a retrospective study. *BMC surgery* 2014, 14:41.
6. Tsuburaya A, Yoshida K, Kobayashi M, Yoshino S, Takahashi M, Takiguchi N, Tanabe K, Takahashi N, Imamura H, Tatsumoto N, Fukushima R, et al: Sequential paclitaxel followed by tegafur and uracil (UFT) or S-1 versus UFT or S-1 monotherapy as adjuvant chemotherapy for T4a/b gastric cancer (SAMIT): a phase 3 factorial randomised controlled trial. *The lancet oncology* 2014, 15:886-893.
7. Inada T, Yoshida M, Ikeda M, Yumiba T, Matsumoto H, Takagane A, Fukushima R, et al: Evaluation of QOL After Proximal Gastrectomy Using a Newly Developed Assessment Scale (PGSAS-45). *World journal of surgery* 2014.
8. Fukushima R, Inoue T, Ogawa E, et al: The Breath Test System Involving a Novel Tracer, 13C-Uracil and Wagner-Nelson Analysis: Comparison with the Gastric Emptying Scintigraphy. *Hepato-gastroenterology* 2012, 59:1710-1711.
9. Fukushima R: Recent progress in the treatment of advanced gastric cancer. *Nihon Geka Gakkai zasshi* 2012, 113:3.
10. Kono K, Iinuma H, Akutsu Y, Tanaka H, Hayashi N, Uchikado Y, Noguchi T, Fujii H, Okinaka K, Fukushima R, et al: Multicenter, phase II clinical trial of cancer vaccination for advanced esophageal cancer with three peptides derived from novel cancer-testis antigens. *Journal of translational medicine* 2012, 10:141.
11. Yamada T, Hayashi T, Cho H, Yoshikawa T, Taniguchi H, Fukushima R, Tsuburaya A: Usefulness of enhanced recovery after surgery protocol as compared with conventional perioperative care in gastric surgery. *Gastric cancer* : 2012, 15:34-41.
12. Yamazaki E, Horikawa M, Fukushima R: Vitamin C supplementation in patients receiving peripheral parenteral nutrition after gastrointestinal surgery. *Nutrition* 2011, 27:435-439.
13. Fukushima R, Yamazaki E: Vitamin C requirement in surgical patients. *Current opinion in clinical nutrition and metabolic care* 2010, 13:669-676.
14. Fukushima R: A new concept of the postoperative oral feeding regimen after upper gastrointestinal surgery in the laparoscopic era. *Nihon Geka Gakkai zasshi* 2010, 111:13-17.
15. Fukushima R: The role of nutrition therapy for the prevention of bacterial translocation. *Nihon Geka Gakkai zasshi* 2007, 108:206-210.
16. Tsuji E, Hiki N, Nomura S, Fukushima R, et al: Simultaneous onset of acute inflammatory response, sepsis-like symptoms and intestinal mucosal injury after cancer chemotherapy. *International journal of cancer* 2003, 107:303-308.
17. Lin MT, Saito H, Furukawa S, Fukushima R, Kazuhiko F, et al: Alanyl-glutamine enriched total parenteral nutrition improves local, systemic, and remote organ responses to intraperitoneal bacterial challenge. *JPEN* 2001, 25:346-351.
18. Fukushima R, Saito H, Inoue T, Fukatsu K, Inaba T, Han I, Furukawa S, Lin MT, Muto T: Prophylactic treatment with growth hormone and insulin-like growth factor I improve systemic bacterial clearance and survival in a murine model of burn-induced gut-derived sepsis. *Burns : journal of the International Society for Burn Injuries* 1999, 25:425-430.
19. Fukushima R, et al: Bacterial translocation in multiple organ failure. *Nihon Geka Gakkai zasshi* 1998, 99:497-503.
20. Lin MT, Saito H, Fukushima R, Inaba T, Fukatsu K, et al: Preoperative total parenteral nutrition influences postoperative systemic cytokine responses after colorectal surgery. *Nutrition* 1997, 13:8-12.
21. Hashiguchi Y, Fukushima R, Saito H, Naka S, Inaba T, Lin MT, Muto T: Interleukin-1 and tumor necrosis factor alter plasma concentration and interorgan fluxes of taurine in dogs. *Shock* 1997, 7:147-153.
22. Naka S, Saito H, Hashiguchi Y, Lin MT, Fukushima R, et al: Alanyl-glutamine-supplemented total parenteral nutrition improves survival and protein metabolism in rat protracted bacterial peritonitis model. *JPEN* 1996, 20:417-423.
23. Lin MT, Saito H, Fukushima R, Inaba T, Fukatsu K, et al: Route of nutritional supply influences local, systemic, and remote organ responses to intraperitoneal bacterial challenge. *Annals of surgery* 1996, 223:84-93.
24. Fukushima R, Kawamura YJ, Saito H, et al: Interleukin-6 and stress hormone responses after uncomplicated gasless laparoscopic-assisted and open sigmoid colectomy. *Diseases of the colon and rectum* 1996, 39:S29-34.
25. Fukushima R, Alexander JW, Gianotti L, Pyles T, Ogle CK: Bacterial translocation-related mortality may be associated with neutrophil-mediated organ damage. *Shock* 1995, 3:323-328.
26. Fukushima R, Gianotti L, Alexander JW: The primary site of bacterial translocation. *Archives of surgery* 1994, 129:53-58.
27. Fukushima R, Alexander JW, Wu JZ, et al: Time course of production of cytokines and prostaglandin E2 by macrophages isolated after thermal injury and bacterial translocation. *Circulatory shock* 1994, 42:154-162.
28. Fukushima R, Alexander JW, Gianotti L, Ogle CK: Isolated pulmonary infection acts as a source of systemic tumor necrosis factor. *Critical care medicine* 1994, 22:114-120.
29. Gianotti L, Alexander JW, Pyles T, Fukushima R: Arginine-supplemented diets improve survival in gut-derived sepsis and peritonitis by modulating bacterial clearance. The role of nitric oxide. *Annals of surgery* 1993, 217:644-653.
30. Fukushima R, Saito H, Taniwaka K, Hiramatsu T, Morioka Y, et al: Different roles of IL-1 and TNF on hemodynamics and interorgan amino acid metabolism in awake dogs. *The American journal of physiology* 1992, 262:E275-281.
31. Fukushima R, Gianotti L, Alexander JW, Pyles T: The degree of bacterial translocation is a determinant factor for mortality after burn injury and is improved by prostaglandin analogs. *Annals of surgery* 1992, 216:438-444