

ONCOLOGIC/GENERAL SURGERY

OVERVIEW

The Section of Oncologic/General Surgery continues to be highly productive in the clinical and teaching areas. Clinical volumes have increased in all areas. The Breast Center has expanded substantially to bring Dr. Teresa Ponn into the section as breast surgeon. **Dr. Ponn** brings enormous clinical experience to the Breast Center and complements **Dr. Lannin** in bringing state of the art management to patients in New England with breast disease. The Breast Center coordinates evaluation and management by a multidisciplinary team consisting of breast surgery, plastic surgery, medical oncology, radiation oncology, pathology, and genetic counseling. Patient satisfaction ranks among the highest within the Yale-New Haven health system and is widely acclaimed by patients, referring physicians, and the public. **Dr. Salem** continues to be clinically active in the management of patients with upper gastrointestinal, hepatobiliary and pancreatic cancer and other complex intraabdominal malignancies. Patients are offered enrollment into many different multicenter oncologic treatment protocols. Ongoing collaboration with Johns Hopkins in the treatment of esophageal cancer continues. **Dr. Sosa** is consolidating her endocrine practice and has attracted a substantial patient referral. She continues to be active in the management of pancreas cancer. In conjunction with the Section of Endocrine/General Surgery, a collaboration has been established with the Dana Farber Cancer Center and NIH for the management of patients with pheochromocytoma.

The section is active in both basic science research and clinical research. **Dr. Yang** recently joined the section, bringing an actively funded, productive laboratory with him. Currently he is principal investigator for NIH R01 and K02 funded research studying the mechanism and function of ADAR1 in cell proliferation, and complement reaction specific to tumors. **Dr. Salem** continues clinical research, having recently completed studies in the management of liver tumors during pregnancy and in the determination of renal phosphate handling after hepatectomy. **Dr. Sosa** brings considerable expertise in the area of outcomes research to the section. She is currently involved in a prospective case-control study determining the effects on neurocognitive function of parathyroid-ectomy in patients with primary hyperparathyroidism. With Dr. Salem, Dr. Sosa is studying cost and quality of life after esophagectomy for esophagus cancer. She is looking at methods of evaluating the quality and importance of peer-reviewed surgical literature and is studying the use of video in IRB approved protocols. **Dr. Lannin** leads the long-standing STAR Trial, through the Yale Cancer Center, and continues to look at new ways to diagnose and treat breast cancer and disease.

FACULTY

	<i>Academic Rank</i>	<i>Academic Interests</i>
Ronald R. Salem, M.D.	Associate Professor and Chief	Gastrointestinal Surgical Oncology
Donald Lannin, M.D.	Professor	Breast Cancer
Charles Cha, M.D.	Assistant Professor	Gastrointestinal Surgical Oncology
Teresa Ponn, M.D.	Assistant Professor	Breast Cancer
Julie Ann Sosa, M.A., M.D.	Assistant Professor	Surgical Oncology and Endocrine Surgery
Jinghua Yang, Ph.D.	Associate Research Scientist	Molecular Mechanism of Cancer

STAFF

	<i>Position</i>
Deborah Araya, P.A.-C.	Physicians Assistant
Donna Danbury, R.N.	Clinical Nurse Coordinator
Dorina Defilippo	Administrative Assistant
Sandhya Desmond, P.A.-C.	Physicians Assistant
Janine Hoffmann	Senior Administrative Assistant
Elsbeth Knill-Selby, R.N., A.P.R.N.	Nurse practitioner
Rong Lin	Research Associate
Patricia Richitelli	Administrative Assistant
Shelley Robinson	Senior Administrative Assistant

POST-DOCTORAL ASSOCIATES

	<i>Position</i>	<i>Institution of Last Degree</i>
Nie Yongzhan, Ph.D.	Postdoctoral Associate	Fourth Military Medical University, China

CURRENT GRANT SUPPORT

	<i>Title</i>	<i>Funding Agency</i>	<i>Dates</i>
Donald Lannin, M.D.	The Study of Tamoxifen and Raloxifene in Breast Cancer	NSABP	Ongoing
Jinghua Yang, Ph.D.	Mechanism of RNA editing	NIH	01/01/00 – 12/31/05
	Role of ADAR1 in infection	NIH	06/01/04 – 05/31/09

HONORS AND AWARDS

Ronald Salem, M.D.	Alvan Feinstein Clinical Teaching Award. 2005
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MAJOR INVITED LECTURES

Ronald Salem, M.D.	"Hepatectomy for Primary Hepatic Neoplasia" Grand Rounds, Bridgeport Hospital
Donald Lannin, M.D.	"Update on Breast Cancer" Bayer Pharmaceuticals
	"Management of the Axilla in Breast Cancer" Grand Rounds, Bridgeport Hospital
Jinghua Yang, Ph.D.	"Comparative and Functional Genomics Workshop" Hinxton, Cambridgeshire, U.K, November 2-5, 2003.

MAJOR YALE LECTURES

Ronald Salem, M.D.	"The Diagnosis of Liver Masses in Pregnancy" Surgery Grand Rounds, Yale University School of Medicine
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	"Neoadjuvant Therapy and Transhiatal Esophagectomy in Esophagus Cancer" Surgery Grand Rounds, Yale University School of Medicine
Donald Lannin, M.D.	"Subareolar Breast Abscess" Surgery Grand Rounds, Yale University School of Medicine
	"Hereditary Breast Cancer" Surgery Grand Rounds, Yale University School of Medicine
	"Management of the Axilla in Breast Cancer" Radiation Oncology Grand Rounds, Yale University School of Medicine
	"Update on Breast Cancer" Yale Health Plan, Yale University
Jinghua Yang, Ph.D.	"ADAR1 in Host Defense Mechanism" Surgery Grand Rounds, Yale University School of Medicine

ORIGINAL PUBLICATIONS

ORIGINAL ARTICLES

Lannin DR, Haffty BG. End Results of Salvage Therapy after Failure of Breast-Conservation Surgery. *Oncology* 18(3) 272-279, 2004.

Lannin DR Twenty-two year experience with recurring subareolar abscess / lactiferous duct fistula treated by a single breast surgeon. *Am J Surg* 188:407-410, 2004.

Nie Y, Fan D, Wu KC, **Yang JH**. Specific cytolysis of tumor cells by xenogenically activated human serum. *Clinical Cancer Research* 2003.

Yang JH, Nie Y, Zhao Q, Korosh Kibir and Reuven Rabinovici. Intracellular localization of differentially regulated ADAR1 isoforms in inflammation. *J Biol Chem* 278(46): 45833-42, 2003.

Nie Y, Wu K, **Yang JH**, Tian FQ, Ling Li, Chen BJ, Fan DM. Induction of T Lymphocytes Specific to Human Gastric Cancer Using HLA-A Matched Allogeneic Gastric Tumor Cells. *J Immunotherapy* 2003 26(5): 403-411.

J. Wu, Y. Shi, K. Wu, D. Zhang, **JH Yang**, Dai-Ming Fan, Angiostatin up-regulation in gastric cancer cell SGC7901 inhibits tumorigenesis in nude mice. *World J Gastroenterology* 9(1):59-64 (2003).

Yang JH, **Nie Y**, Luo XX, Su YJ, Zhao QC, Korosh Kabir, Reuven Rabinovici. Widespread Inosine-containing mRNA in Lymphocytes Regulated by ADAR1 in Response to Inflammation. *Immunology* 109(1):15-23, 2003

Yongzhan Nie, Qingchuan Zhao, Yingjun Su, **Jing-Hua Yang**: Subcellular distribution of ADAR1 isoforms is synergistically determined by three nuclear discrimination signals and a regulatory motif. *J Biol Chem* 2004

Kleinberg L, Knisely JPS, Heitmiller R, Zahurak M, **Salem RR**, Burtness B, Heath EI, Forastiere AA: Mature Survival Results With Preoperative Cisplatin, Protracted Infusion 5-Fu, And 44 Gy Radiotherapy For Esophageal Cancer. *Int J Radiation Oncology, Biology, & Physics* 2003, 56(2): 328-34

Cobey FC, **Salem RR**: A Review of Liver Masses in Pregnancy and a Proposed Algorithm for Their Diagnosis and Management. *Am J Surg* 187:2, 187-191, 2004

Gold J, Bayar S, **Salem RR**: Streptococcus bovis bacteremia is associated with colonic neoplasia and extracolonic malignancy. *Arch Surg* 139: 760-765, 2004

Lee JH, **Salem RR**, Aslanian H, Chacho M, Topazian M: Endoscopic Ultrasound and Fine Needle Aspiration of Unexplained Bile Duct Strictures. *Am J Gastroenterology* 2004, 99(6): 1069-7

PJ Mahadevia, **JA Sosa**, MA Levine, MA Zeiger, NR Powe. Clinical management of primary hyperparathyroidism and thresholds for surgical referral: a national study examining concordance between practice patterns and consensus panel recommendations. *Endocr Pract* 2003; 9(6): 494-501.

REVIEWS AND CHAPTERS

JA Sosa and R Udelsman. Parathyroid surgery. In Encyclopedia of Endocrinology and Endocrine Diseases Vol. 3, Academic Press 2004.

JA Sosa and R Udelsman. Persistent or recurrent hyperparathyroidism. In Current Surgical Therapy, 8th edition. JL Cameron, ed. Mosby 2004.

C Ariyan and **JA Sosa**. Abnormal calcium. Critical surgical illness: pre-operative assessment and planning. *Critical Care Medicine* 2004;23(4) supplement:S146-54.

EDITORIALS

Haffty BG, **Lannin DR**. Is breast-conserving therapy in the genetically predisposed breast cancer patient a reasonable and appropriate option? *Eur J Cancer* 40 (2004) 1105-1108.

Lannin DR. How many breast cancer cells in a sentinel lymph node are OK? *Ann Surg Onc* 11(6): 553-554, 2004.