

ENDOCRINE/GENERAL SURGERY

OVERVIEW

The Section of Surgical Endocrinology, at its foundation, has strong teaching, research and clinical missions. The faculty is composed of active clinical surgeons involved in busy surgical practice who, concomitantly, are dedicated to pursuing clinical and health services research, as well as developing new teaching modalities in the field of surgical endocrinology. The faculty has strong multidisciplinary clinical and research collaboration with the Departments of Medical Endocrinology, Pathology, Psychiatry and Clinical Epidemiology within Yale School of Medicine. The faculty also has multi-institutional research collaborations with the Dana Farber Institute, the National Institute of Health and the Veterans Administration.

The surgical clinical volume has risen over the last year as referrals of patients with complex endocrine and oncologic problems have increased.

Drs. Roman and Sosa have been involved in the Yale University undergraduate program introducing students to medicine and surgery as career options, participating as guest speakers on campus and introducing interested undergraduate students to life in the operating room. Dr. Roman is an active member of the Yale Office for Women in Medicine mentoring program.

In professional societies, Dr. Sosa will be inducted into the American College of Surgeons in 2005; Drs. Roman and Sosa were elected members to the American Association of Endocrine Surgeons; and, Dr. Udelsman is the President of the American Association of Endocrine Surgeons.

Our research endeavors include:

Neurocognitive and psychiatric evaluation of patients with primary hyperparathyroidism.

A prospective trial in conjunction with the Departments of Endocrinology and Psychiatry.

Treatment preferences of patients with primary hyperparathyroidism

A prospective longitudinal database development in conjunction with the Department of Endocrinology.

Incidental thyroid pathology in evaluation of patients with primary hyper-parathyroidism for minimally invasive parathyroidectomy

A prospective investigation in conjunction with the Departments of Endocrinology and Radiology.

Recurrent and Superior Laryngeal Nerve Assessment Before and After Minimally Invasive Parathyroidectomy for Primary Hyperparathyroidism

A prospective investigation with the Section of Otolaryngology.

Diagnosis, Pathophysiology, and Molecular Biology of Pheochromocytoma

To establish cell lines and perform molecular analysis of tumor tissue resected from patients with pheochromocytoma.

FACULTY

	<i>Academic Rank</i>	<i>Academic Interests</i>
Sanziana Roman, M.D.	Assistant Professor and Section Chief	Endocrine surgery, outcomes research, minimally invasive surgical techniques
Robert Udelsman M.D., M.B.A.	Professor and Chairman	Endocrine surgery, outcomes research, minimally invasive techniques and molecular changes in pheochromocytomas
Julie Ann Sosa M.D., M.A.	Assistant Professor	Endocrine surgery, Oncologic surgery, Pancreatic surgery, molecular changes in pheochromocytoma, health services research

STAFF

	<i>Position</i>
Donna Danbury R.N.	Clinical Nurse
Dorina Defilippo	Administrative Assistant
Sandhya Desmond, P.A.-C.	Physicians Assistant
Patricia Donovan R.N.	Manager of Patient Care and Quality Assurance
Dorothy Franco	Administrative Associate
Marzena Jasinski	Senior Administrative Assistant

RESEARCH ASSOCIATES

		<i>Institution of Last Degree</i>
Eric Desmond, J.D., M.S.E.L.	Research Associate	University of Vermont
Rong Lin, M.D., M.P.H.	Research Associate	Yale University

CURRENT GRANT SUPPORT

	<i>Title</i>	<i>Funding Agency</i>	<i>Dates</i>
Sanziana Roman, M.D.	Neurocognitive Changes in Parathyroidectomy	Ohse Award, Yale University	2004
Robert Udelsman, M.D., M.B.A.	Recurrent and Superior Laryngeal Nerve Assessment Before and After Minimally Invasive Parathyroidectomy for Primary Hyperparathyroidism	Yale HIC #25386	2003 - 2004
(J. Sosa, P.I.)	Psychiatric Symptoms and Memory Function in Primary Hyperparathyroidism		2003 - 2004

Julie Ann Sosa M.D., M.A.	Psychiatric Symptoms and Memory Function in Primary Hyperparathyroidism	Joseph Haddad Award, Paget Foundation	2004
		Young Investigator Award, Association of Academic Surgeons	

HONORS AND AWARDS

Sanziana Roman, M.D.	America's Top Surgeons
	Who's Who in Medical Sciences Education
Robert Udelsman, M.D., M.B.A.	America's Top Surgeons (2004)
	President Elect, American Association of Endocrine Surgeons
	Top Doctors: New York Metro Area (2003-2004)
	New York Best Doctors, New York Magazine (2003-2004)
	Edward H. Storer Award for Excellence in Surgical Teaching (2003)
	America's Registry of Outstanding Professionals (2003-2004)
	Who's Who Among America's Teachers (2004)
	International Health Professional of the Year (2004)
	America's Top Doctors (2003-2004)

MAJOR INVITED LECTURES

Robert Udelsman, M.D., M.B.A.	"Minimally Invasive Parathyroidectomy." McGill University, Montreal, Canada
	"Well-differentiated Thyroid Cancer." McGill University, Montreal, Canada
	"Minimally Invasive Parathyroidectomy." National Institutes of Health, Bethesda, MD
	"Current Controversies in Endocrine Surgery" Moderator, Society of Surgical Oncology. Los Angeles, CA
	"Meet the Professor Breakfast: Hyperparathyroidism: The Role of Minimally Invasive and Radioguided Surgery." Society of Surgical Oncology, Los Angeles, CA
	"Minimally Invasive Parathyroidectomy." West Virginia University. Morgantown, W.V.
<u>Robert Udelsman, M.D.,</u>	"Surgery for Primary Hyperparathyroidism: A Revolution in Care." Johns

M.B.A.

Hopkins Biennial Program, Baltimore, MD

"Minimally Invasive Parathyroidectomy." Surgical Grand Rounds, Waterbury Hospital Waterbury, CT

"Kessler Memorial Lecturer. Minimally Invasive Parathyroidectomy." Norwalk Hospital. Norwalk, CT

"Minimally Invasive Parathyroidectomies." University of Minnesota 67th Annual Course. Minneapolis, MN

"Evaluation of an Adrenal Mass." University of Minnesota 67th Annual Course. Minneapolis, MN

"Minimally Invasive Parathyroidectomy." Surgical Grand Rounds, Bridgeport Hospital. Bridgeport, CT

"Minimally Invasive Parathyroidectomy." AACE Consultants Course. Mt. Sinai, New York, NY

"Surgery for Primary Hyperparathyroidism." The Endocrine Society, Philadelphia, PA

"Current Management of Adrenal Tumors." Grand Rounds, George Washington University. Washington, DC

"New Horizons in Parathyroid Surgery. Minimally Invasive Parathyroidectomy." American College of Surgeons. Annual Clinical Congress – Chicago, IL

"Minimal Access Parathyroidectomy." Grand Rounds, Winthrop University Hospital. Mineola, NY

"Minimally Invasive Parathyroidectomy." Grand Rounds, Baystate Medical Center. Springfield, MA

"Thyroid Disease." Grand Rounds, St. Mary's Hospital, Waterbury, CT

"Minimally Invasive Parathyroid Surgery and Other Minimally Invasive Surgeries." Yale New Haven Hospital Auxiliary, New Haven, CT

"Open Minimally Invasive Surgery." Symposium. International Association of Endocrine Surgeons (IAES). Uppsala, Sweden

"Minimally Invasive Parathyroid Surgery in the Setting of MEN1 or MEN2a." Multiple Endocrine Neoplasia (MEN 2004). Bethesda, MD

"Clinical Endocrinology Update 2004 Surgical Aspects of Thyroid Disease: Fact and Controversy." Baltimore, MD

MAJOR YALE LECTURES

- Sanziana Roman, M.D. "Mens Sana in Corpore Sano." Surgery Grand Rounds, Yale University School of Medicine.
- "Laparoscopic Adrenalectomy." Yale University Pituitary Conference Series
- Robert Udelsman, M.D., M.B.A. "Surgery 2004." Internal Medicine Grand Rounds, Yale University School of Medicine.
- Julie Ann Sosa, M.D. "Pancreatic Cancer Surgery." Department of Radiation Oncology Grand Rounds, Yale University School of Medicine

ORIGINAL PUBLICATIONS

ORIGINAL ARTICLES

Xing M, Usadel H, Cohen Y, Tokumaru Y, Guo Z, Westra WB, Tong BC, Tallini G, **Udelsman R**, Califano JA, Ladenson PW, Sidransky D. Methylation of the thyroid-stimulating hormone receptor gene in epithelial thyroid tumors: a marker of malignancy and a cause of gene silencing. *Cancer Res* 63(9):2316-21, 2003.

Zeh HJ, **Udelsman R**. One Hundred Laparoscopic Adrenalectomies: A Single Surgeon's Experience. *Ann Surg Onc* 10(9):1012-7, 2003.

Udelsman R, Aruny JE, Donovan PI, Sokoll LJ, Santos F, Donabedian R, Venbrux AC. Rapid Parathyroid Hormone Analysis During Venous Localization. *Ann Surg* 237(5):714-721, 2003.

Chen H, Dudley N, Westra W, Sadler G, **Udelsman R**. Utilization of Fine-needle Aspiration in Patients Undergoing Thyroidectomy at Two Academic Centers across the Atlantic. *World J Surg* 27(2):208-11, 2003.

Udelsman R. The Operating Room: War Results in Casualties. (Editorial) *Anesthesia & Analgesia* 97:936-7, 2003.

Sosa J, **Udelsman R**. Minimally invasive parathyroidectomy. *Surg Onc* 12:125-34, 2003.

Abdullah F, **Udelsman R**. Cutaneous Lichen Amyloidosis in a family with Familial Medullary Thyroid Cancer. *Surgery* 135:563-4, 2004.

Xing M, Cohen Y, Mambo E, Tallini G, **Udelsman R**, Ladenson PW, Sidransky D. Early Occurrence of *RASSF1A* Hypermethylation and its Mutual Exclusion with *BRAF* Mutation in Thyroid Tumorigenesis. *Cancer Res* 64:1664-8, 2004.

Xing M, Vasko V, Tallini G, Larin A, Wu G, **Udelsman R**, Ringel MD, Ladenson PW, Sidransky D. BRAF T1796A transversion mutation in various thyroid neoplasms. *J Clin Endocrinol Metab* 89(3):1365-8, 2004.

Udelsman, R. Experience Counts. *Ann Surg* 240(1):26-7, 2004.

Udelsman R, Donovan PI. Open Minimally Invasive Parathyroid Surgery. *World J Surgery* 28:1224-1226, 2004.

Brown H, Goldberg PA, Selter JG, Cabin HS, Marieb NJ, **Udelsman R**, and Setaro JF. Hemorrhagic Pheochromocytoma Precipitated by Systemic Corticosteroid Therapy and Presenting as Acute Myocardial Infarction with Severe, Labile Hypertension During Coronary Angiography. *J Clin Endo Metab* 90(1):563-69, 2004.

REVIEWS AND CHAPTERS

Udelsman R, Roman S, Kinder B, Pasieka J, Thompson G, Young W. Endocrine Tumor Section, *Current Opinion in Oncology* 2003.

Udelsman R, Editorial Overview: Endocrine Tumors, *Current Opinion in Oncology* 15:65, 2003.

Carling T, **Udelsman R**. Advancements in the Surgical Treatment of Primary Hyperparathyroidism, Problems in General Surgery. L Michael Brunt (Editor) 20:3, 31-37, 2003.

Carling T, **Udelsman R**. Parathyroid Tumors. *Curr Treat Opt Onc* 4:319-28, 2003.

Sosa JA, **Udelsman R**. New Directions in the Treatment of Patients with Primary Hyperparathyroidism. *Curr Probl Surg* 40:812-49-2003.

Roman S, Kinder B. Pheochromocytoma, 8th edition Cameron's Current Surgical Therapy, Cameron J eds. Mosby Press 2004.

Roman S Pheochromocytoma and Paraganglioma, Current Opinion in Oncology, 2004.

Roman S, Udelsman R. Hyperparathyroidism, Lillemoe, K, Schulick D, eds. Pocket Medicine.com Inc, New York NY 2004.

Roman S, Udelsman R. Thyroid Cancer, Lillemoe, K, Schulick D, eds. Pocket Medicine.com Inc, New York NY 2004.

Roman S, Udelsman R. Adrenal Tumors, Lillemoe, K, Schulick D, eds. Pocket Medicine.com Inc, New York NY 2004.

Roman S, Udelsman R. Endocrine Tumors, Chapter 8, UICC Manual of Clinical Oncology, 10th Edition, Nucleon, France 2004.

Roman S, Udelsman R. Thyroid Cancer Pocket Surgical Oncology, Goldin S Eds. University of South Florida Press 2004.

Sosa J, **Udelsman R**. Parathyroid Adenoma. *Clin Scen Surg Onc* V Khatri (Ed) 2004.

Sosa J, **Udelsman R**. Persistent or Recurrent Hyperparathyroidism. In: Current Surgical Therapy. J L Cameron (Ed), Elsevier/Mosby, Philadelphia, 605-9, 2004.

Udelsman R. Surgical Aspects of Thyroid Disease: Fact & Controversy. In: Clinical Endocrinology Update 2004 Syllabus. Endocrine Society Press, Baltimore, 73-77, 2004.

VOLUME EDITOR

Current Opinion in Oncology: Endocrine Tumors. **Udelsman R.** (Ed) 15:65-90, 2003.