

09/30/04

CURRICULUM VITAE

Robert Udelsman, MD, MSB, MBA, MA (Hon), FACS, FACE

PRESENT POSITIONS: Lampman Memorial Professor of Surgery and
Internal Medicine (Oncology)
Chairman, Department of Surgery at Yale University
Surgeon-in-Chief, Yale-New Haven Hospital

ADDRESS: Department of Surgery
P.O. Box 208062
New Haven, CT 06520-8062

DEGREES: B.A. Lafayette College, Easton, PA (1973-1977)
M.D. The George Washington University School
Medicine and Health Sciences
Washington, D.C. (1977-1981)
M.S.B. Johns Hopkins University
Masters Business of Medicine (June 1999)
M.B.A. Johns Hopkins University
Masters Business Administration (April 2000)
M.A. (Honorary) Yale University (2001)

POSTGRADUATE TRAINING:

Intern, Surgery: The Johns Hopkins Hospital (1981-1982)
Resident, Surgery: The Johns Hopkins Hospital (1982-1983, 1986-1988)
Visiting Registrar: The John Radcliffe Hospital, Oxford England (Jan 1988-July 1988)
Chief Resident, Surgery: The Johns Hopkins Hospital (1988-1989)

FELLOWSHIPS:

Surgical Oncology, Surgery Branch, Division of Cancer Treatment, The National Cancer Institute, Bethesda, MD (1983-1985)

Endocrinology, Developmental Endocrinology Branch, The National Institute of Child Health and Human Development, Bethesda, MD (1983-1986)

Gastrointestinal Surgery, The Johns Hopkins Hospital, Baltimore, MD (July 1989-1990)

APPOINTMENTS:

Assistant Chief of Service, Instructor in Surgery: The Johns Hopkins Hospital, Baltimore, MD (July 1989 - June 1990)

Assistant Professor of Surgery: The Johns Hopkins Hospital, Baltimore, MD (July 1990 - March 1993)

Associate Professor and Director of Endocrine Surgery: The Johns Hopkins Hospital, Baltimore, MD (March 1993 - June 1995)

Director, Division of Endocrine and Oncologic Surgery: The Johns Hopkins Hospital, Baltimore, MD (July 1995 – May 2001)

Associate Professor of Oncology: The Johns Hopkins Hospital, Baltimore, MD (September 1996 – May 2001)

Program Director: Society of Surgical Oncology Fellowships, Johns Hopkins University (6 Clinical/Research Fellows/year) (1995 – May 2001)

Professor of Surgery: The Johns Hopkins Hospital, Baltimore, MD (June 1999 – May 2001)

Professor of Oncology: The Johns Hopkins Hospital, Baltimore, MD (June 2000 – May 2001)

Lampman Memorial Professor of Surgery and Oncology: Yale University School of Medicine, New Haven, CT (June 2001 – Current)

Chief, Surgery Service Yale-New Haven Hospital, New Haven, CT (June 2001 – Current)

CERTIFICATION AND LICENSURE:

1. National Board of Medical Examiners; Diplomate (1981)
2. Advanced Cardiac Life Support; American Heart Association (1985)
3. Advanced Trauma Life Support; American College of Surgeons (1986)
4. Maryland State Board of Medical Examiners (1989)
5. Advanced Trauma Life Support, Instructor; American College of Surgeons (1990)
6. Fellow American College of Surgeons (1992)

BOARDS: American Board of Surgery (11/7/90 - #35797)
American Board of Surgery (10/22/99 - #35797)

HONORS/AWARDS:

1. New York State Regents Scholarship (1973)
2. The McKelvy Scholars Program (1976)
3. Kunkel Research Award for Outstanding Biological Investigation (1977)
4. *Udelsman, This Side of Reality*, One Man Sculpture Exhibit (1977)
5. Graduated with Honors in Biology for Male Fertility Control Research (1977)
6. Magna Cum Laude (1977), Lafayette College
7. First place in the George Washington University Medical Center Annual Research Competitions (1978, 1980)
8. Donald Glew Memorial Research Award (1978, 1980)
9. Andrew Willey Scholarship Award (1978)
10. Lamport Biomedical Research Award (1979)
11. Kane-King Obstetrical Society (1981)
12. Freed Award in Preventative Medicine (1981)
13. A.O.A. (1981)
14. Ordronaux Award, Graduate with the Highest Scholastic Standing; First in Class of 150 (1981)
15. George D. Zuidema Research Award, First Place Honors (1985)
16. George D. Zuidema Research Award (1986)
17. Lilly Clinician Scientist Award (1990-1991, 1991-1992)
18. George H. A. Clowes, Jr., M.D., F.A.C.S. Memorial Research Career Development Award of the American College of Surgeons (1993-1998)
19. American Association of Endocrine Surgeons Annual Basic Research Award given to C. B. Gordon, M.D., Supervised Research Fellow (1994)
20. American Association of Endocrine Surgeons Annual Clinical Research Award given to Herbert Chen, M.D., Supervised Research Fellow (1997)
21. Richard Bennett Darnall Professor of Surgery (1997)
22. American Association of Endocrine Surgeons Annual Clinical Research Award given to Julie Ann Sosa, M.D., Supervised Research Fellow (1998)
23. Taussig/Blalock Award given to Julie Ann Sosa, M.D., Supervised Research Fellow (1998)
24. Top Doctors: New York Metro Area (2002, 2003, 2004)
25. New York; Top 100 Minimally Invasive Surgeons (2002)
26. New York Best Doctors, New York Magazine (2002, 2003, 2004)
27. America's Top Doctors (2002, 2003, 2004)
28. Edward H. Storer Award for Excellence in Surgical Teaching (2003)
29. America's Registry of Outstanding Professionals (2003-2004)
30. Who's Who Among America's Teachers (2004)
31. Best Doctors New York, New York Magazine (2004)

RESEARCH GRANTS/PROJECTS:

Title: Heat Shock Proteins and Surgical Stress
Role: PI

Funding: Lilly Clinician Scientist Award
Interval: 1990-1991
Amount: \$50,000 (Direct)

Title: Heat Shock Proteins and the Vascular Stress Response
Role: PI
Funding: Lilly Clinician Scientist Award
Interval: 1991-1992
Amount: \$50,000 (Direct)

Title: Molecular and Endocrine Response to Surgical Stress
Role: PI
Funding: NIH KO-8 (NIDDK)
Interval: 1991-1996
Amount: \$422,300 (Direct) \$33,784 (Indirect) \$456,084 (Total)

Title: Molecular and Hormonal Regulation of the Vascular Stress Response
Role: PI
Funding: American College of Surgeons Clowes research Development Award
Interval: 1993-1998
Amount: \$200,000 (Direct)

Title: Randomized Prospective Evaluation of Intraoperative Frozen Section Analysis in Follicular Neoplasms of the Thyroid
Role: PI
Interval: 1995-1998

Title: Diagnosis, Pathophysiology and Molecular Biology of Pheochromocytoma
Role: Outside Investigator (Yale PI, HIC #20837)
Funding: NIH – Intramural
Interval: 2002-

Title: Recurrent and Superior Laryngeal Nerve Assessment Before and After Minimally Invasive Parathyroidectomy for Primary Hyperparathyroidism
Role: PI (Yale HIC #25386)
Interval: 2003-

Title: Psychological and Cognitive Changes in Primary Hyperparathyroidism
Role: Co-Investigator
Interval: 2003-

SOCIETIES:

1. The Pennsylvania Academy of Science

2. Sigma Xi, The Scientific Research Society of North America
3. The William Beaumont Medical Research Society
4. The American Physicians Art Association
5. The Johns Hopkins Alumni Association
6. The Johns Hopkins Medical And Surgical Association
7. National Board of Medical Examiners: Diplomate
8. American Association for Clinical Research: Associate
9. The Endocrine Society
10. Association for Academic Surgery
11. Halsted Resident Society
12. American Association of Endocrine Surgeons: Council Member
13. Baltimore Academy of Surgery
14. The Maryland Endocrine and Metabolism Society
15. The Shock Society
16. Society for Surgical Oncology
17. American Thyroid Association
18. Society of University Surgeons
19. Society of Head and Neck Surgeons
20. The Gerontological Society of America
21. Surgical Biology Club II
22. International Society of Surgery
23. Southern Surgical Association
24. American Surgical Association
25. Society of Surgical Chairmen
26. New England Surgical Society
27. American Association of Clinical Endocrinologists

REVIEWER FOR:

1. *New England Journal of Medicine*
2. *Journal of Clinical Endocrinology and Metabolism*
3. *American Journal of Physiology*
4. *Surgery*
5. *Dysphagia*
6. *Peptides*
7. *Medicine*
8. *Journal of Thoracic and Cardiovascular Surgery*
9. *Clinical Cancer Research*
10. *Critical Care Medicine*
11. *Annals of Surgical Oncology*
12. *Cancer*
13. *Journal of the American Medical Association*
14. *Annals of Surgery*

15. *Journal of the American College of Surgeons*

EDITORIAL BOARDS:

1. Annals of Surgical Oncology
2. Journal of the American College of Surgeons

ADMINISTRATIVE RESPONSIBILITIES:

1. Dean's Faculty Advisory Group
2. Automated Outpatient Record Committee
3. Surgical Research Conference
4. Quality Assurance Committee
5. Johns Hopkins Hospital Cancer Center Pathology Steering Committee (Chairman)
6. Lecturer/Surgical Clerkships: Endocrine Surgery, Medical Students III and IV
7. Education and Research Committee; American Association of Endocrine Surgeons
8. Adult In-Patient Clinical Advisory Committee
9. American Association of Endocrine Surgeons: Executive Council Member
10. Chairman, Performance Improvement Committee; Department of Surgery
11. Chairman, Tissue Committee, Johns Hopkins Hospital
12. Chairman, Department of Surgery Credential Committee
13. Division Director, Endocrine and Oncologic Surgery
14. Director, Surgical Oncology Fellowship, The Johns Hopkins Hospital (6 Clinical and Research Fellows/year)
15. Director, Endocrine and Oncologic Surgery Conference, 50 CME credits
16. The Society of University Surgeons: Representative to the Council of Academic Societies (1998)
17. American Thyroid Association, Public Health Committee: Representative to the Public Health Committee
18. American Association of Endocrine Surgeons, Chairman Membership Committee (1999/00)
19. National Cooperative Cancer Network (NCCN), Thyroid Carcinoma Guideline Panel Member (1998-2002)
20. American College of Surgeons Endocrine Oncology Group, Vice Chairman (1999-2002)
21. Member of Board of Permanent Officers, Yale School of Medicine (2001-Present)

NATIONAL MEETING ORGANIZATION:

1. Chairman, Local Organizing Committee: American Association of Endocrine Surgeons Annual Meeting, Baltimore, MD 1997.
2. Art Show Sponsor/Organizer: Max Brödel: Father of Modern Medical Illustration, The Walters Art Gallery, Baltimore, MD 1997

NATIONAL LEADERSHIP:

1. American Association of Endocrine Surgeons:
 - a. Council Member 2000-present
 - b. Chair, Membership Committee
 - c. President Elect 2004

ORIGINAL PUBLICATIONS:

1. **Udelsman R** and SK Majumdar. A Preliminary Study of the Histological Effects of the Male Contraceptive 5-thio-D-Glucose on the Testes of the Mongolian Gerbil. *Proc Pa Acad Sc* 50:101-103, 1976.
2. Majumdar SK and **Udelsman R** Fine Structure and Mouse Testes Following Intra-peritoneal Treatment with 5-thio-D-Glucose. *J Heredity* 70:194-198, 1979.
3. **Udelsman R**, Bacher J., Gallucci WT, Gold PW, Morin ML, Renquist D, Loriaux DL, and Chrousos GP. Hemodynamic and Endocrine Parameters in the Anesthetized Cynologus Monkey: A Primate Model. *J Med Primatol* 13:327-337, 1984.
4. Pastakia B, Horvath K, Kurtz D, **Udelsman R**, and Doppman J L. Giant Rectus Sheath Hematomas Complicating Anticoagulant Therapy: Ultrasound and CT Diagnosis. *J Computer Assisted Tomography* 9:1123-1124, 1984.
5. **Udelsman R** and Sugarbaker P H. Congenital Duplication of the Gallbladder Associated with an Anomalous Right Hepatic Artery. *Am J Surg* 149:812-815, 1985.
6. Sherins R J, Patterson A P, Brightwell D, **Udelsman R**, and Sator J. Alteration in the Plasma Testosterone: Estradiol Ratio: An Alternative to the Inhibin Hypothesis. *Ann New York Acad Sc* 383:295-306, 1985.
7. Miller D L, **Udelsman R**, and Sugarbaker P H. Calcification of Pseudomyxoma Peritonei following Intraperitoneal Chemotherapy: CT Demonstration. *J Computer Assisted Tomography* 9:1123-1124, 1985.
8. **Udelsman R**, Loriaux D L, and Chrousos, G P. A Reevaluation of the Role of Glucocorticoids in Surgical Stress. *Surgical Forum* 36:18-20, 1985.
9. **Udelsman R**, Harwood J P, Millan, M A, Chrousos G P, Goldstein D S, Zimlichman R, Catt K J, and Aguilera G. Functional Corticotropin Releasing Factor Receptors in the Primate Peripheral Sympathetic Nervous System. *Nature* 319:147-150, 1986.

10. **Udelsman R**, Ramp J, Gallucci W T, Gordon A, Lipford E, Norton J A, Loriaux D L, and Chrousos G P. Adaptation During Surgical Stress: A Reevaluation of the Role of Glucocorticoids. *J Clin Invest* 77:1377-1381, 1986.
11. **Udelsman R**, Roth J A, Lees D, Jelenick S, and Pass H. Endobronchial Metastasis From Soft Tissue Sarcoma. *J Surg Oncology* 32:145-149, 1986.
12. **Udelsman R**, Gallucci W T, Bacher J., Loriaux, D L, and Chrousos G P. Hemodynamic Effects of Corticotropin Releasing Hormone in the Anesthetized Cynomolgus Monkey. *Peptides* 7:465-471, 1986.
13. Doppman J L, Oldfield E H, Chrousos G P, Nieman L, **Udelsman R**, Cutler G B, and Loriaux D L. Rebound Thymic Hyperplasia Following Treatment of Cushing's Syndrome. *Am J Radiology* 147:1145-1147, 1986.
14. Goldstein D S, **Udelsman R**, Eisenhofer G, Keiser H R, and Kopin I J. Neuronal Source of Plasma Dihydroxyphenylalanine *J Clin Endocrinol Metab* 64:856-861, 1987.
15. Kawai S, Nieman L K, Brandon D D, **Udelsman R**, Loriaux D L, and Chrousos G P. Pharmacokinetic Properties of the Antigluco-corticoid and Antipro-gesterone Steroid RU 486 in Man. *J Pharmacol Exp Therap* 241:401-406, 1987.
16. **Udelsman R**, Norton J A, Jelenich S E, Goldstein D S, Linehan W M, Loriaux D L, and Chrousos G P. The Hypothalamic-Pituitary-Adrenal and Sympathetic Responses to Forane-N₂O Anesthesia and Surgical Stress. *J Clin Endocrinol Metab* 64:986-994, 1987.
17. **Udelsman R**, Goldstein D S, Loriaux D L, and Chrousos G P. Catecholamine-Glucocorticoid Interactions during Surgical Stress. *J Surgical Research* 43:539-545, 1987.
18. Giuffre K A, **Udelsman R**, Loriaux D L, and Chrousos G P. Effects of Immune Neutralization of CRH, ACTH and Beta-Endorphin in the Surgically Stressed Rat. *Endocrinology* 122:306-310, 1988.
19. Chrousos G P, Laue L, Nieman L, Kawai S, **Udelsman R**, Brandon D D, and Loriaux, D L. Glucocorticoids and Glucocorticoid Antagonists: Lessons From RU 486, *Kidney International*, 34:(26)S18-S23, 1988.
20. Laue L, Gallucci W, Loriaux D L, **Udelsman R**, and Chrousos G P. The Antigluco-corticoid and Antipro-gest-in Steroid RU 486: Its Glucocorticoid Agonists Effect is Inadequate to Prevent Adrenal Insufficiency in Primates. *J Clin Endocrinol Metab* 67:602-606, 1988.
21. **Udelsman R**, Mojiminiyi O A, Soper N D, Buley I D, Shepstone, B J, and Dudley N E. Medullary Carcinoma of the Thyroid: Management of Persistent Hypercalcitonemia Utilizing [^{99m}Tc] (V)DMSA Scintigraphy. *Brit J Surg*, 76:1278-1281, 1989.

22. Marr L A, Gadacz T R, and **Udelsman R**. Acetazolamide-induced Hepatic Encephalopathy in the Surgical Patient: Case Report, Literature Review, and Mechanism of Action. *Contemporary Surg*, 37:60-64, 1990.
23. **Udelsman R**, Blake M, and Holbrook N J. Molecular Response to Surgical Stress: Specific and Simultaneous Heat Shock Protein Induction in the Adrenal Cortex, Aorta and Vena Cava. *Surgery* 110 (6):1125-1131, 1991.
24. Blake M J, **Udelsman R**, Feulner G J, Norton D D, and Holbrook N J. Stress-Induced HSP70 Expression in Adrenal Cortex: A Glucocorticoid-Sensitive, Age-Dependent Response. *Pro Natl Acad Sci (USA)* 88:9873-9877, 1991.
25. **Udelsman R**, Yeo C J, Hruban R H, Pitt H A, Niederhuber J E, Coleman J, and Cameron J L. Pancreaticoduodenectomy for Selected Pancreatic Endocrine Tumors. *Surg Gyn Obs* 177:269-278, 1993.
26. **Udelsman R**, Blake M J, Putney D J, Stagg C, Li D G, and Holbrook, N J. Vascular HSP-70 Induction *In Vivo*: A Stress-Induced, Age-Dependent Response under Adrenergic Regulation. *J Clin Invest* 91:465-473, 1993.
27. **Udelsman R**, Ball D, Baylin S B and Sostre S. Preoperative Localization of Occult Medullary Carcinoma of the Thyroid with Single Photon Emission Tomography (SPECT) Dimercaptosuccinic Acid (DMSA). *Surgery* 114:1083-1089,1993.
28. Li D G, Stagg C A, Gordon C, and **Udelsman R**. Vascular Heat Shock Protein 70: Effect of Aortic Transplantation. *Vascular Surgery* 2:990-999,1993.
29. Schoeniger L O, Andreoni K A, Ott G R, Risby, T H, Bulkley G B, **Udelsman R**, Burdick J F, and Buchman T G. Induction of Heat Shock Gene Expression in the Post Ischemic Liver is Dependent upon Superoxide Generation at Reperfusion. *Gastroenterology* 106: 177-184,1994.
30. **Udelsman R**. Blake, M J, Stagg, C A and Holbrook, N J. Endocrine Control of Stress-Induced HSP-70 Expression *In Vivo Surgery* 115:611-6, 1994.
31. **Udelsman R**, Li, D G, Stagg, C A, Gordon, C B, and Kvetnansky, R. Adrenergic Regulation of Adrenal and Aortic Heat Shock Protein Expression *In Vivo*. *Surgery* 116: 177-182, 1994.
32. **Udelsman R** and Holbrook N J. The Endocrine and Molecular Response to Surgical Stress. *Current Problems in Surgery*. 31:653-728, 1994.
33. Gordon C B, Li D G, Stagg C A, Manson P, and **Udelsman R**. Impaired Wound Healing in Cushing's Syndrome: The Role of Heat Shock Proteins. *Surgery* 116:1082-1087, 1994.
34. Holbrook N J and **Udelsman R**. Aging and the Heat Shock Response. *Saishin Igaku (Modern Medicine, Japan)* 11:100-109, 1995.

35. Chen H, Nicol, T L and **Udelsman R**. Follicular Neoplasms of the Thyroid: Does Frozen Section Evaluation Alter Operative Management? *Ann Surgery* 222:101-106,1995.
36. Chen H, Doppman J, Chrousos G P, Norton J A, Nieman L K, and **Udelsman R**. Ectopic Production of ACTH by Pheochromocytoma: The Exception to the Rule. *Surgery* 118:988-995, 1995.
37. Xu Q, Li D G, Holbrook N J and **Udelsman R**. Acute Hypertension Induces Heat Shock Protein 70 Gene Expression in Rat Aorta. *Circulation* 92:1223-1229, 1995.
38. **Udelsman R**. Laparoscopic Adrenalectomy. *Maryland Medical J* 44:611-612,1995.
39. **Udelsman R**, Li D G, Stagg C A, and Holbrook N J. Aortic Crosstransplantation Between Young and Old Rats: Effect Upon the Heat Shock Protein 70 Stress Response. *J Gerontology* 50A:B187-B192, 1995.
40. **Udelsman R**, Lakatos E, and Ladenson P. Surgery for Well-differentiated Thyroid Carcinoma: The Unresolved Debate. *World J Surgery* 20:88-93, 1996.
41. Xu Q, Liu Y, Gorospe M, **Udelsman R** and Holbrook N J. Acute Hypertension Rapidly Activates Mitogen-Activated Protein Kinases in Aortic Wall. *J Clin Invest* 97:508-514, 1996.
42. Davis E A, Wang B H, Stagg C A, Baldwin W M, Sanfilippo, F and **Udelsman R**. Induction of Heat Shock Protein in a Model of Acute Cardiac Allograft Rejection. *Transplantation* 61:279-284, 1996.
43. Li DG, Gordon C B, Stagg C A and **Udelsman R**. Heat Shock Protein Expression in Normal and Stressed Human Placenta and Umbilical Cords. *Shock* 5:320-323, 1996.
44. Chen H, Zeiger M A, Gordon T A, and **Udelsman R**. Parathyroidectomy in Maryland. Effects of an Endocrine Center. *Surgery* 120:948-53, 1996.
45. Xu Q, Fawcett T W, **Udelsman R**, and Holbrook N J. Activation of Heat Shock Transcription Factor 1 in Rat Aorta in Response to High Blood Pressure. *Hypertension*. 96:53-57, 1996.
46. Eastman H B, Fawcett T W, **Udelsman R**, and Holbrook N J. Effects of Perturbations of the HPA Axis on Gene Expression During the Acute Phase Response. *Shock* 6:288-292, 1996.
47. Segev D L, Saji M, Westra W H, Takiyama Y, **Udelsman R**, and Zeiger M A. Differentiating Hürthle Cell Adenomas from Carcinomas of the Thyroid by PCR-based Microsatellite Polymorphism Analysis. *Surgical Forum* 47:501-503, 1996.
48. **Udelsman R**. Parathyroid Imaging: The Myth and The Reality. *Radiology*. 201:317-318, 1996.

49. Califano J, Johns M, Westra W H, Lango, M, Eisele, D, Zeiger M, **Udelsman R**, Koch W, Sidransky D. An Allelotype of Papillary Thyroid Cancer. *Int J Cancer* 69:442-4, 1996.
50. Chen H, Zeiger M A, Clark D P, Westra W H and **Udelsman R**. Papillary Thyroid Cancer: Can Operative Management be Solely based on Fine Needle Aspiration? *J Am College Surg* 184:605-610, 1997.
51. Chen H, **Udelsman R**, Zeiger M A, and Ball D W. Human Achte-scute Homolog-1 is Highly Expressed in a Subset of Neuroendocrine Tumors. *Oncology Reports* 4:775-778, 1997.
52. **Udelsman R**, Chen H, Loman K, Pitt H A, Saudek C D. Implanted Programmable Insulin Pumps: 153 Years of Surgical Experience. *Surgery* 122:1005-11, 1997.
53. Phan G, Yeo C J, Cameron J L, Maher M, Hruban R H, and **Udelsman R**. Pancreaticoduodenectomy for Selected Periampullary Neuroendocrine Tumors: 50 Patients. *Surgery* 122:989-97, 1997.
54. Motoyasu S, Westra, W H, Chen H, Umbricht C, Tuttle R M, Box M F, **Udelsman R**, Sukumar S, and Zeiger M A. Telomerase Activity in the Differential Diagnosis of Papillary Carcinoma of the Thyroid. *Surgery* 122:1137-40, 1997.
55. Chen H, Nicol T L, Rosenthal D L, and **Udelsman R**. The Role of Fine-Needle Aspiration in the Evaluation of Thyroid Nodules. *Problems in General Surgery* 14:1-13, 1997.
56. Takiyama Y, Saji M, Clark D P, Phillips G S, Segev D L, Smallridge R C, Westra W, **Udelsman R**, and Zeiger M A. PCR-Based Microsatellite Analysis of Fine Needle Aspiration (FNA) from Hurthle Cell Neoplasms. *Thyroid* 7:853-857, 1997.
57. Umbricht C B, Saji M, Westra W H., **Udelsman R**, Zeiger, M A, and Sukumar S. Telomerase Activity in the Differential Diagnosis of Follicular Thyroid Neoplasms. *Cancer Research* 57:2144-7, 1997.
58. Schell S R, Talamini M A, and **Udelsman R**. Laparoscopic Adrenalectomy. *Advances in Surgery* 31:333-350,1998.
59. Wang B H, Ye C, Stagg C A, Lin MC, Fawcett T, Vanderkolk C, and **Udelsman R**. Improved Free Myocutaneous Flap Survival with Induction of Heat Shock Protein. *J Plastic and Reconstructive Surgery* 101:776-784, 1998.
60. Chen H, and **Udelsman R**. Papillary Thyroid Carcinoma: Justification for Total Thyroidectomy and Management of Lymph Node Metastases. *Surg Onc Clin N Am* 7(4): 645-663, 1998.
61. Chen H, Parkerson S G, and **Udelsman R**. Parathyroidectomy in the Elderly: Do the Benefits Outweigh the Risks. *World J Surgery* 22:531-536, 1998.

62. Clark O H, Kaplan E L, Thompson N W, **Udelsman R**, and van Heerden J A. Parathyroid Disease - Part 1. *Contemporary Surgery* 52:137-152,1998.
63. Chen H, Nicol T, Zeiger M A, Dooley W C, Ladenson P W, Cooper D S, Ringel M Parkerson S, Allo M, and **Udelsman R**. Hurthle Cell Neoplasms of the Thyroid: Are There Factors Predictive of Malignancy? *Ann Surg* 227:542-546,1998.
64. Westra WH, Prichett D D and **Udelsman R**. Intraoperative Confirmation of Parathyroid Tissue during Parathyroid Exploration: A Retrospective Evaluation of the Frozen Section. *Am J Surgical Pathology* 22:538-544,1998.
65. Chen H, Roberts J R, Ball DW, Eisele DW, Baylin S B, **Udelsman R**, and Bulkley G B. Effective Long-term Palliation of Symptomatic, Incurable Metastatic Medullary Thyroid Carcinoma by Operative Resection. *Ann Surg* 222:887-895,1998.
66. Clark O H, Kaplan E L, Thompson N W, **Udelsman R**, and van Heerden J A. Parathyroid Disease - Part 2. *Contemporary Surgery* 52:213-224,1998.
67. Segev, D L, Saji M, Phillips G S, Westra W H, Takiyama Y, Piantadosi S, Smallridge R C, Nishiyama R H, **Udelsman R**, and Zeiger M A. Polymerase Chain Reaction-Based Microsatellite Polymorphism Analysis of Follicular and Hurthle Cell Neoplasms of the Thyroid. *J Clin Endocrinol Metab* 83:2036-2042, 1998.
68. Mandal A K and **Udelsman R**. Secondary Hyperparathyroidism is an Expected Consequence of Parathyroidectomy for Primary Hyperparathyroidism: A Prospective Study. *Surgery* 124:1021-7, 1998.
69. Sosa J A, Powe N R, Levine M A, Zeiger M A and **Udelsman R**. Cost Implications of the Different Surgical Management Strategies for Primary Hyperparathyroidism in the U.S. *Surgery* 124:1028-36, 1998.
70. Sosa J A, Bowman H M, Tielsch J M, Powe N R, Gordon T A, and **Udelsman R**. Importance of Surgeon Experience for Clinical and Economic Outcomes from Thyroidectomy. *Ann Surg* 228:320-330, 1998.
71. Arnold D R, Villemagne V L, Civelek A C, Dannals R F, Wagner H N and **Udelsman R**. FDG PET Scan: A Sensitive Tool for the Localization of MIBG Negative Pelvic Pheochromocytomas. *The Endocrinologist* 8:295-298,1998.
72. Sosa J A, Powe N R, Levine MA, **Udelsman R**, Zeiger M A. Profile of a Clinical Practice: Thresholds for Surgery and Surgical Outcomes for Patients with Primary Hyperparathyroidism: a National Survey of Endocrine Surgeons. *J Clin Endocrinol Metab* 83:2658-2665, 1998.

73. Schell S R, Talamini M A and **Udelsman R**. Laparoscopic Adrenalectomy for Non-Malignant Disease: Improved Safety, Morbidity and Cost-Effectiveness. *Surgical Endoscopy*. 13:30-33, 1999.
74. Chen H, Nicol T, **Udelsman R**. Clinically Significant Metastatic Disease to the Thyroid Gland. *World J Surgery* 23:177-181, 1999.
75. Sosa J A and **Udelsman R**. Imaging of the Adrenal Gland. *Surg Onc Clin N Am* 8:109-127, 1999.
76. Chen H, Sokoll L J, **Udelsman R**. Outpatient Minimally Invasive Parathyroidectomy: A Combination of Sestamibi-SPECT Localization, Cervical Block Anesthesia, and Intraoperative PTH assay. *Surgery* 126:1016-1022, 1999
77. Zeiger M A, Smallridge R C, Clark D P, Liang C K, Carty S E, Watson C G, **Udelsman R**, Sajii M. Human Telomerase Reverse Transcriptase (HTERT) Gene Expression in FNA Samples from Thyroid Neoplasms. *Surgery* 126:1195-1199, 1999.
78. **Udelsman R**. Secondary Hyperparathyroidism. *Operative Techniques in General Surgery* 1:62-70, 1999.
79. **Udelsman R**. Surgical Exploration for Hyperparathyroidism. *Operative Techniques in General Surgery* 1:2-3, 1999.
80. Sokoll LJ, **Udelsman R**, and Chan DW. Intraoperative Parathyroid Hormone Measurement. *Amer Assoc Clin Chem* 17:295-306, 1999.
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33. American Association of Endocrine Surgeons. Impaired Wound Healing in Cushing's Syndrome: The Role of Heat Shock Proteins. Detroit, Michigan (1994).
34. Johns Hopkins Hospital Renal Grand Rounds. Hyperparathyroidism, Diagnosis and Treatment. Baltimore, MD (1994).
35. International Society for Heart Research. Age-related Alteration in Vascular Heat Shock Protein Expression in Response to Stress. London, Ontario (1994).
36. American Thyroid Association. Follicular Lesions of the Thyroid: The Futility of Frozen Section Evaluation. Chicago, Illinois (1994).
37. Bayview Medical Center Nephrology Grand Rounds. Hyperparathyroidism, Diagnosis, Management and Surgical Treatment. Baltimore, Maryland (1995).
38. Johns Hopkins Hospital Surgical Grand Rounds. Thyroid Cancer: Controversies in Care. Baltimore, Maryland (1995).
39. Current Concepts in Thyroid Disease. Thyroid Surgery for the Non-Surgeon. Baltimore, Maryland (1995).
40. Mid-Eastern Chapter Society of Nuclear Medicine. New Agents for Imaging of Endocrine Neoplasias. Baltimore, Maryland (1995).
41. American Association of Endocrine Surgeons. Ectopic Production of ACTH by Pheochromocytoma: The Exception to the Rule. Philadelphia, Pennsylvania (1995).
42. Plastic Surgery Research Council. Improved Free Myocutaneous Flap Survival with Induction of Heat Shock Protein. New York, New York (1995).
43. Sixth Symposium on Catecholamines and Other Neurotransmitters in Stress. Endocrine and Molecular Responses to Surgical Stress: Clinical and Experimental Stress. Smolenice Castle, Slovakia (1995).
44. Harbor Hospital Medical Grand Rounds. Hyperparathyroidism. Baltimore, MD (1995).

45. Johns Hopkins Hospital Anesthesia Grand Rounds. Molecular and Endocrine Responses to Surgical Stress. Baltimore, Maryland (1995).
46. Harford Memorial Hospital Professorship Program. The Current Management of Thyroid Cancer. Havre de Grace, Maryland (1995).
47. Johns Hopkins Hospital Surgical Grand Rounds. Graves' Disease. Baltimore, Maryland (1996).
48. Oncology Multidisciplinary Clinical Conference. Thyroid Cancer. Johns Hopkins Oncology Center, Baltimore, Maryland (1996).
49. Third Multidisciplinary Symposium on PET and SPECT Imaging in Cancer Diagnosis and Treatment. Localization of Neuroendocrine Tumors. Johns Hopkins Hospital, Baltimore, Maryland (1996).
50. The Society of Surgical Oncology. Controversies in the Management of Thyroid Cancer: Case Presentation to a Panel. Atlanta, Georgia (1996).
51. Centre de Recherche, Hotel-Dieu de Montréal. Heat Shock Proteins and the Stress Response. Montreal, Canada (1996).
52. Bayview Medical Center Medicine Grand Rounds. Hyperparathyroidism. Baltimore, MD
53. American Association of Endocrine Surgeons. Parathyroidectomy in Maryland: Effects of an Endocrine Center. Napa Valley, California (1996).
54. American College of Surgeons. Postgraduate Course: Endocrine Surgery, Functioning Tumors of the Adrenal Gland. San Francisco, California (1996).
55. American College of Surgeons. Paper Session: Papillary Thyroid Cancer: Can Operative Management be Solely based on Fine Needle Aspiration? San Francisco, California (1996).
56. Johns Hopkins Hospital Surgical Grand Rounds. Laparoscopic Adrenalectomy. Baltimore, Maryland (1996).
57. Johns Hopkins Hospital Endocrine Grand Rounds. Laparoscopic Adrenalectomy. Baltimore, Maryland (1997).
58. North Shore Hospital Surgical Grand Rounds. Laparoscopic Adrenalectomy. New York, New York (1997).
59. American Association of Endocrine Surgeons. Pancreaticoduodenectomy for Selected Periampullary Neuroendocrine Tumors: 50 Patients. Baltimore, Maryland (1997).

60. American Association of Endocrine Surgeons. Implanted Programmable Insulin Pumps: 153 Patient Years of Surgical Experience. Baltimore, Maryland (1997).
61. American Association of Endocrine Surgeons. Telomerase Activity in the Differential Diagnosis of Papillary Carcinoma of the Thyroid. Baltimore, Maryland (1997).
62. Current Concepts in Thyroid Disease. Panel Discussion of Thyroid Disease. Baltimore, Maryland (1997).
63. International Association of Endocrine Surgeons. Parathyroidectomy in the Elderly: Do the Benefits Outweigh the Risks? Acapulco, Mexico (1997).
64. International Consensus Conference on the Management of Non-functioning Adrenal Tumors. Athens, Greece (1997).
65. Johns Hopkins Hospital Plastic Surgery Grand Rounds, Management of Nodular Thyroid Disease. Baltimore, Maryland (1997).
66. Johns Hopkins Hospital Surgical Grand Rounds. Thyroid Cancer. Baltimore, Maryland (1997).
67. Johns Hopkins Hospital CPC Conference. Cushings Syndrome. Baltimore, Maryland
68. American Surgical Association. Importance of Surgeon Experience for Clinical and Economic Outcomes for Thyroidectomy. Palm Beach, Florida (1998).
69. Johns Hopkins Hospital Medical Grand Rounds. Cushings Syndrome. Baltimore, Maryland (1998).
70. Washington Hospital Center, Endocrine Grand Rounds. Laparoscopic Adrenalectomy. Washington, D.C. (1998).
71. American Association of Endocrine Surgeons. Secondary Hyperparathyroidism is an Expected Consequence of Parathyroidectomy for Primary Hyperparathyroidism: A Prospective Study. Orlando, Florida (1998).
72. American Association of Endocrine Surgeons. Cost Implications of Different Management Strategies for Primary Hyperparathyroidism. Orlando, Florida (1998).
73. First International Meeting on Carney Complex and Related Disorders. National Institutes of Health (1998).
74. Second Multidisciplinary Congress on Differentiated Thyroid Carcinoma, Rome, Italy (1998).

75. Johns Hopkins Hospital Surgical Grand Rounds. Primary Hyperparathyroidism. Baltimore, Maryland (1998).
76. The Society of Head and Neck Surgery. Panel: Controversies in Thyroid and Parathyroid Surgery. Palm Beach, Florida (1998).
77. North Arundel Hospital Surgical Grand Rounds. Thyroid Cancer. Baltimore, Maryland (1998).
78. St. Joseph Medical Center Surgical Grand Rounds. Thyroid Cancer. Baltimore, Maryland (1998).
79. American College of Surgeons Postgraduate Course. Multiple Endocrine Neoplasia. Orlando, Florida (1998).
80. American College of Surgeons Postgraduate Course. Localization of Pancreatic Endocrine Pathology: The Surgeon's Viewpoint. Orlando, Florida (1998).
81. Endocrinology Grand Rounds. The Effect of Surgeon Experience on Clinical and Economic Outcomes from Thyroidectomy. Johns Hopkins Hospital, Baltimore, Maryland (1998).
82. The 1st Annual Pennsylvania Hospital General Surgery Symposium. Management of Thyroid Cancer. Philadelphia (1998).
83. Johns Hopkins Hospital Surgical Grand Rounds. Primary Hyperparathyroidism. Baltimore, Maryland (1999).
84. Johns Hopkins Hospital Medical Grand Rounds. Primary Hyperparathyroidism: The Past, the Present, the Future. Baltimore, Maryland (1999).
85. National Cooperative Cancer Network. Thyroid Cancer. Fort Lauderdale, Florida (1999).
86. The Society of Surgical Oncology. Total Thyroidectomy. Orlando, Florida (1999)
87. The Society of Surgical Oncology. Management of Thyroid and Parathyroid Disease. Orlando, Florida (1999).
88. Union Memorial Hospital Grand Rounds. Multiple Endocrine Neoplasia. Baltimore, Maryland (1999).
89. Johns Hopkins Hospital Pathology Grand Rounds. Minimally Invasive Parathyroidectomy. Baltimore, Maryland (1999).
90. American Association of Endocrine Surgeons. Outpatient Minimally Invasive Parathyroidectomy New Haven, Connecticut (1999).

91. Case Records of the Massachusetts General Hospital. An 81 year old woman with Bilateral Adrenal Masses. Boston, Massachusetts (1999).
92. The Role of Thyrogen in Thyroid Cancer Management: Surgical Treatment of Thyroid Cancer: Less Heat and More Light. Baltimore, Maryland (1999).
93. The Johns Hopkins Hospital Surgical Grand Rounds. Outpatient Parathyroidectomy – A New Standard of Care. Baltimore, Maryland (1999).
94. Long Island Jewish Medical Center, Joseph N. Attie, MD Memorial Lecture – Minimally Invasive Parathyroidectomy. Long Island, New York (2000).
95. Northwest Hospital, Elmer Hoffman, M.D. Lecture, Surgical Grand Rounds. Minimally Invasive Parathyroidectomy. Baltimore, Maryland (2000).
96. American Surgical Association, 100 Consecutive Minimally Invasive Parathyroid Explorations. Philadelphia, Pennsylvania (2000).
97. American College of Surgeons, Postgraduate Course No. 4: Minimal Access Surgery: A Mature Perspective: Laparoscopic Adrenalectomy. Washington, DC (2000).
98. American College of Surgeons, Postgraduate Course No. 4: Parathyroidectomy Under Local Anesthesia. Chicago, IL. (2000).
99. Greater Baltimore Medical Center, Surgical Grand Rounds. Primary Hyperparathyroidism. Baltimore, Maryland (2000).
100. Society of Surgical Oncology Annual Meeting: Meet the Professor: Minimally Invasive Parathyroidectomy: Is it Appropriate? Washington, DC (2001)
101. Bayview Medical Center: Parathyroidectomy in the Elderly. Baltimore, Maryland (2001).
102. The Johns Hopkins Hospital, Otolaryngology/Head and Neck Surgery Grand Rounds. Minimally Invasive Parathyroidectomy. Baltimore, Maryland (2001).
103. Middle East Medical Assembly. Minimally Invasive Parathyroidectomy. Beirut, Lebanon (2001).
104. Middle East Medical Assembly. Laparoscopic Adrenalectomy. Beirut, Lebanon (2001).
105. Middle East Medical Assembly. Management of Thyroid Cancer. Beirut, Lebanon (2001).
106. Yale University Surgical Grand Rounds. Yale Surgery, the Past, Present and Future. New Haven, Connecticut, 2001-09-26

107. Yale University Endocrinology Grand Rounds. Minimally Invasive Parathyroidectomy. New Haven, Connecticut, 2001.
108. Yale University White Jacket Ceremony Class of 2005. New Haven, Connecticut, 2001.
109. American College of Surgeons, Ciné Clinic Program. Minimally Invasive Parathyroidectomy. New Orleans, Louisiana, 2001.
110. Yale University Oncology Center Grand Rounds. Thyroid Cancer. New Haven, Connecticut 2001.
111. Yale University Surgical Grand Rounds. Minimally Invasive Parathyroidectomy. New Haven, Connecticut 2001.
112. Southern Surgical Association Annual Meeting. 656 Consecutive Explorations for Primary Hyperparathyroidism. Hotsprings, Virginia 2002.
113. St. Raphael's Hospital Surgical Grand Rounds. Minimally Invasive Parathyroidectomy. New Haven, Connecticut 2002.
114. Mayo Clinic. Minimally Invasive Parathyroidectomy. Rochester, Minnesota, 2002.
115. Minnesota Surgical Society. Well Differentiated Thyroid Cancer. Rochester, Minnesota, 2002.
116. American College of Surgeons Clinical Congress. Minimally Invasive Parathyroidectomy. San Francisco, CA, 2002.
117. Connecticut Chapter of the American College of Surgeons. Minimally Invasive Parathyroidectomy. Meriden, CT, 2002.
118. University of Connecticut. Minimally Invasive Parathyroidectomy. Farmington, CT, 2002.
119. Southern Surgical Association Annual Meeting. Rapid Parathyroid Hormone Analysis During Venous Localization. West Palm Beach, FL 2002.
120. McGill University. Minimally Invasive Parathyroidectomy. Montreal, Canada, 2003.
121. McGill University. Well-differentiated Thyroid Cancer. Montreal, Canada, 2003.
122. National Institutes of Health. Minimally Invasive Parathyroidectomy. Bethesda, MD, 2003
123. Society of Surgical Oncology. Current Controversies in Endocrine Surgery: Moderator. Los Angeles, CA, 2003.

124. Society of Surgical Oncology. Meet the Professor Breakfast: Hyperparathyroidism: The Role of Minimally Invasive and Radioguided Surgery. Los Angeles, CA, 2003
125. West Virginia University. Minimally Invasive Parathyroidectomy. Morgantown, WV 2003
126. Johns Hopkins Biennial Program: Surgery for Primary Hyperparathyroidism: A Revolution in Care (1990-2001)
127. Waterbury Hospital Surgical Grand Rounds. Minimally Invasive Parathyroidectomy. Waterbury, CT 2003
128. Norwalk Hospital. Kessler Memorial Lecturer. Minimally Invasive Parathyroidectomy. Norwalk, CT 2003
129. University of Minnesota 67th Annual Course. Minimally Invasive Parathyroidectomies. Minneapolis, MN 2003
130. University of Minnesota 67th Annual Course. Evaluation of an Adrenal Mass. Minneapolis, MN 2003
131. Bridgeport Hospital. Surgical Grand Rounds. Minimally Invasive Parathyroidectomy. Bridgeport, CT 2003
132. AACE Consultants Course. Minimally Invasive Parathyroidectomy. Mt. Sinai, New York, N.Y. 2003
133. The Endocrine Society. Surgery for Primary Hyperparathyroidism. Philadelphia, PA 2003
134. George Washington University. Grand Rounds. Current Management of Adrenal Tumors. Washington, DC 2003
135. American College of Surgeons. Annual Clinical Congress - New Horizons in Parathyroid Surgery. Minimally Invasive Parathyroidectomy. Chicago, IL 2003
136. Winthrop University Hospital. Grand Rounds. Minimal Access Parathyroidectomy. Mineola, NY 2003
137. Baystate Medical Center. Grand Rounds. Minimally Invasive Parathyroidectomy. Springfield, MA 2003
138. St. Mary's Hospital. Thyroid Disease. Waterbury, CT, 2004.
139. International Association of Endocrine Surgeons (IAES). Symposium. Open Minimally Invasive Surgery. Uppsala, Sweden 2004.

140. Multiple Endocrine Neoplasia (MEN 2004) “Minimally Invasive Parathyroid Surgery in the Setting of MEN1 or MENIIa”. Bethesda, MD 2004