

Name: Collin J. Weber

Academic Office: Emory University Hospital
Surgery Research Offices
Woodruff Memorial Bldg., Rm. 5105
101 Woodruff Circle
Atlanta, Georgia 30322
Telephone: (404) 727-0084
Fax: (404) 727-3660

Patient Care Office: The Emory Clinic
General Surgery
1365-A Clifton Rd., Room 3334
Atlanta, Georgia 30322
Telephone: (404) 778-4733
Fax: (404) 778-5033

Citizenship: USA

Current Titles and Affiliations:

Chief of Endocrine Surgery, September 2007 →

Interim Chief, Division of General Surgery, October 2006 → September 2007

Vice Chairman – Clinical Affairs, Department of Surgery, September 2002 → present.

PI for Juvenile Diabetes Research Foundation (JDRF) Center for Islet Transplantation of Emory University, April 2002 – 2005. Co-PI 2005 → present.

Director, Elizabeth Brooke Gottlich Diabetes Research and Islet Transplant Laboratory, Emory University, April 2000 → present.

Attending Surgeon: The Emory Clinic and Emory University Hospital (General and Endocrine Surgery) September 1, 1992 → present.

Egleston Children's Hospital, Consultant, December, 1997 → present.

V.A. Medical Center (Atlanta), Consultant, May 28, 1993 → present.

The Wesley Woods Emory University Geriatric Hospital (Atlanta), Consultant, 1993 → present.

Academic appointments:

Primary - William C. McGarity Professor of Surgery, Emory University School of Medicine, July 1, 1994 → present.

September 1, 1992 → July 1, 1994, Professor of Surgery, Emory University School of Medicine.

Previous Clinical Appointments:

Associate Attending Surgeon, Presbyterian Hospital, July 1, 1988 → August 31, 1992; General, Endocrine and Breast Surgery.

Associate Professor of Clinical Surgery, Columbia University, College of Physicians and Surgeons, July 1, 1987 → August 31, 1992.

Assistant Attending Surgeon, Surgical Service, Columbia Presbyterian Medical Center, New York, August 1, 1980 → June 30, 1988.

Assistant Professor of Surgery, Columbia University College of Physicians & Surgeons, New York, August 1, 1980 → June 30, 1987.

Surgical Director, Emergency Service, Presbyterian Hospital, New York, September 1, 1982 → June 30, 1984.

Assistant Attending Surgeon, Third Division, General Surgery Service, Walter Reed Army Medical Center, Washington, D. C., August 29, 1978 → August 1, 1980.

Assistant Professor of Surgery, Uniformed Services University of the Health Sciences, Bethesda, Maryland, October 1, 1978 → August 1, 1980.

Associate in Surgery, Columbia University, July and August, 1978.

Visiting Clinical Fellow, Department of Surgery, Columbia University, July 1, 1972 → June 30, 1973; and July 1, 1975 → June 30, 1978,

Licensures/Boards:

National Board of Medical Examiners, 1972, #117119.

New York State Medical License, July 1, 1972, #112509.

Maryland State Medical License, August 17, 1978, #D-22327.

New Jersey Medical License, March 25, 1991, #56100.

American Board of Surgery, Diplomate June 29, 1979, #24990.

Re-certified, American Board of Surgery, October 13, 1989, #25053.

Re-certified, American Board of Surgery, December 31, 1999, #25033

Certified, Added Qualifications in Surgical Critical Care, October 26, 1990, #668.

Georgia State Medical License, August 6, 1992, #036034.

Education:

<u>High School</u>	Audubon High School, Audubon, Iowa Valedictorian, May, 1963
<u>College</u>	Princeton University, Princeton, NJ, 1967. Cum Laude, English
<u>Medical School</u>	College of Physicians & Surgeons Columbia University, New York, NY M.D., June 1, 1971
<u>Graduate Study</u>	Columbia University, New York, NY Doctor of Medical Science May 18, 1977. (Surgery and Pathology) <u>Thesis:</u> Pancreatic Islet Transplantation

Internship and Residency: Department of Surgery, Columbia University
College of Physicians & Surgeons,
and Surgical Service, Columbia Presbyterian
Medical Center:
Intern: 1971-1972
Junior Resident: 1972-1973
NIH Research Trainee: 1973-1975
Assistant Resident: 1975-1976
Senior Assistant Resident: 1975-1977
Senior Resident: 1977-1978

Postgraduate Training:

Director of Training - Dr. Keith Reemtsma, Professor and Chairman, Department of Surgery, Columbia University, College of Physicians & Surgeons, and Director, Surgical Service, Columbia-Presbyterian Medical Center.
Research Training - NIH Postdoctoral Research Trainee in Surgery, Department of Surgery, Columbia University, Dr. John M. Kinney, Director of Training; with work in the Transplantation Laboratories of Dr. Keith Reemtsma; July, 1973 → June, 1978.

Military of Government Service:

Active Duty, United States Army, Medical Corps, August 2, 1978-August 1, 1980.
Award: Army Commendation Medal, June, 1980.
Highest Rank: Major.

Organizational and Society:

National and International:

The Transplantation Society (International), 1979 → present.
The Association for Academic Surgery, 1980 → present.

International Pancreas and Islet Transplant Association,
1981 → present.
Society of University Surgeons, 1984 → present.
New York Surgical Society, 1984 → 1992
Society of University Surgeons, 1984 → present.
The Pancreas Club, 1984 → present.
American Association of Endocrine Surgeons, 1984 → present.
Local Chair and Host, 2001, for the 22nd AAES Meeting.
Organized and planned AAES Symposium and Post Graduate Course, 2001.
Vice President 2005 – 2006.
International Association of Endocrine Surgeons, 1985 → present.
Fellow, American College of Surgeons, 1985 → present.
Société Internationale de Chirurgie, 1986 → present.
Cell Transplant Society, 1994 → present.
President, 2002-03 and local host, 6th International Congress
of the Cell Transplant Society, 2003.
American Surgical Association, 2000 → present.

Regional and State:

Georgia Surgical Society, 1994 → present.
Atlanta Surgical Society 1995 → present.
Medical Association of Georgia, 1996 → present.
DeKalb Medical Society, 1996 → present.
Southern Surgical Association, 1996 → present.

Institutional:

Professional Standards and Ethics Committee, Department of Surgery, 1996 → present.
Human Investigations Committee, Emory University School of Medicine, 1998 – 2004.
Professional Standards and Ethics Committee, The Emory Clinic, 1996 – 98.
Research Advisory Committee, Emory University School of Medicine, 2001 → present.
Faculty Development Workshop Committee, Emory School of Medicine, 2001-02.
Appointment and Promotion Committee, Emory School of Medicine, 1994 –02.
Internship Advisory Committee, Department of Surgery, 1992 → present.
Electronic Medical Record Executive Team, 2003 → present.
OR Executive Committee, 2003 → present.
Research Committee, Department of Surgery, 2005 → present.
CCRWG Clinical Claims Review Working Group, Sept 2006 → present.
Member of Winship Cancer Institute, Nov. 2007.
Clinical Membership, Molecular Pathways and Biomarkers Program, Nov. 2007.

Honors and Awards:

Prize Essay, Resident Competition, New York Diabetes Association, 1975 and 1976.
First Annual Arthur Blakemore Prize for Surgical Research, Columbia University,
College of Physicians & Surgeons, June, 1978.
NIH Research Career Development Award, #1 KO4 AM00806,
September 5, 1980 → August 31, 1985.

Golden-Lampert Award for Excellence in Clinical Research, Columbia University, College of Physicians & Surgeons, May, 1985.

Research focus:

The main focus of my research is pancreatic islet transplantation. The long-term goal is to develop techniques for safe and durable islet cell replacement for large numbers of patients with insulin dependent diabetes mellitus. For the past several years, this research has concentrated on the use of xenogeneic tissues as sources of donor islets and microencapsulation plus selective immune modulation of hosts as the means to accomplish cross-species islet graft survival. A second focus of my research is cause(s) of human parathyroid tumors and their functional characteristics. These studies have concentrated on secreted products of human parathyroid tumors including neuropeptides and cytokines and analyses of replication of parathyroid tumors of differing histopathologies.

Patents:

Method for Microencapsulation of Cells and Tissue. Patent # 5,227,298.

Issued July 13, 1993.

Co-Inventors: **C. Weber**, J. Norton and K. Reemtsma.

Method of Containing Core Material in Microcapsules. Patent #5,795,570.

Issued August 18, 1998.

Co-Inventor: **C. Weber**, J. Ayres-Price

Method of Inhibiting Immune System Destruction of Transplanted Viable Cells

Patent # US 7,041,634 B2

Issued May 9, 2006

Co-Inventors: **C. Weber**, M. Hagler, P. Linsley, Judith Kapp, and Susan Safley.

Patent, Provisional, Applications:

Barium-Gelled Alginate, Cell Encapsulation, and Diabetes

GWS Ref. 96-06P

Filed: July 21, 2006

Co-Inventors: **Collin Weber**, Susan Safley, Hong Cui, Carol Tucker-Burden.

GRANT SUPPORT:

Active Support:

Juvenile Diabetes Research Foundation: JDRF Center Grant for Islet Transplantation entitled "Safety and Efficacy of Efalizumab as part of a quadruple drug regimen in Human Islet transplant recipients"

Renewed proposal October 1, 2005 – September 30, 2010

Total award: \$10,500,000

Chris Larsen, PI. - **Co-PI, Collin Weber**

Juvenile Diabetes Research Foundation

“Encapsulated Porcine Islet Xenografts in Diabetic Non-human Primates
Total award approved: \$453,682 - 10/01/2008 – 9/30/2009
PI: **Collin Weber**; Susan Safley, Co-investigator

Juvenile Diabetes Research Foundation
“Optimization of Encapsulated Islet Xenografts”
Total award requested: \$1,233,747 - 10/1/07 – 09/30/10
PI: **Collin Weber**; Susan Safley, Co-investigator

Juvenile Diabetes Research Foundation: “Human Immune Responses to Islet Xenografts”.
Total award: \$165,000 – 04/01/07 – 3/31/08
PI: Collin Weber

Juvenile Diabetes Research Foundation: Project in Center Grant entitled
“Non-human primate models of xenotransplantation”
Total award: \$2,148,410 - 10/01/05 – 09/30/10
PI: S. Gangappa; **Collin Weber (Co-investigator)**

NIH Grant: Islet Transplant – Costimulatory Blockade with LEA29Y.
PI: James Shapiro; **Collin Weber (Co-Investigator)**
Total award: \$985,981 - 9/30/04 - 7/31/09

Previous Support:

NIH Grant: A Biomimetic Barrier for Islet Immunoisolation.
NIH Grant Entitled Islet Transplantation – Costimulatory Blockage with LEA29Y.
Elliot Chaikof, PI; **Collin Weber, Collaborator**. No salary support. 9/1/98 – 8/31/08

NIH Postdoctoral Research Trainee in Surgery, GM01720-10, 7/1/73--6/30/75; Dr. John M. Kinney, Principal Investigator; full-time research in the Transplantation Laboratories of Dr. Keith Reemtsma.

NIH Grant: Heart Transplantation: Immunologic and Physiologic Studies. HL-14799, Dr. Keith Reemtsma, Principal Investigator. Visiting Clinical Fellow, with direct laboratory bench work, 7/1/73-6/30/78.

NIH Grant: Pancreatic Islet Transplantation, AM-19652; Dr. Keith Reemtsma, Principal Investigator. Visiting Clinical Fellow, with major involvement in bench work, design of experiments and overall goals of project, 1/1/77--6/30/78; Consultant, 7/1/78--8/1/80; Investigator, 8/1/80--12/31/81. Direct costs, year #1, \$209,364.

NIH-BSRG Grant: *In Vitro* Studies Related to Parathyroid Auto- and Allo-transplantation in Man. Principal Investigator, 12/1/77--6/30/78. Direct costs \$5,000.

NIH Research Career Development Award, Pancreatic Islet Preservation and Transplantation. 1 KO4AM00806, 9/1/80-8/31/85. Direct costs, year #1, \$30,000. yearly salary support.

NIH Grant: Anti-Ia Antibodies and Pancreatic Islet Grafts: Principal Investigator. NIH #1RO1AM30927-O1A1, 1/1/83--3/31/85. Direct costs, year #1, \$97,729.

Kroc Foundation Grant: Tissue Culture Isolation & Xeno-transplantation of Neonatal Primate & Bovine Islets; Principal Investigator. Activity #576, Gift #6799, 7/1/82--8/31/84.
Direct costs, year #1, \$35,000.

American Diabetes Association Research Grant: Treatment of Diabetes with Topical Insulin: Principal Investigator, 1/1/85-12/31/86. Direct costs, year #1, \$25,000.

Juvenile Diabetes Foundation Research Grant: Improving Human/Primate Islet Isolation/Purification; 9/1/85--8/31/87; Principal Investigator. Direct costs, year #1, \$32,923.

NIH-BRSG Grant: Improving Human/Primate Islet Isolation/Purification, BRSG, 4/1/85-3/31/86, Principal Investigator. Direct costs \$5,000.

NIH Grant: Microencapsulated Islet Xenografts in NOD Mice. NIH R01 #DK39088-01A3. Direct costs, Year #1, \$99,593. 6/1/91 - 5/31/95; Principal Investigator.

Juvenile Diabetes Foundation Research Grant: Encapsulated Islet Xenografts; 9/1/95 - 8/31/97 Principal Investigator. Direct costs, year #1, \$45,454.

Juvenile Diabetes Foundation Research Grant: Microencapsulated Porcine Islet Xenografts in Rhesus Monkeys. 9/1/97 - 8/31/99. Principal Investigator.
Direct costs, year #1, \$90,908.

Juvenile Diabetes Foundation Grant: Engineering Pancreatic Islet Immunoisolation: A Biomimetic Strategy for Barrier Design. 9/1/98 – 2/28/00. Co-Principal Investigator.
Direct costs, year #1, \$90,908.

NIH Grant: Treatment of Diabetes with Encapsulated Xenogeneic Islets. R01-DK53057 – Extended 9/1/97 – 8/31/03. Principal Investigator. Direct costs, year #1, \$152,543.

NIH Grant: Effects of Alginate Composition on Encapsulated Cells.
02/02/02 – 1/31/05. PI - I. Constantinidis.
Year #1, 21,055.

NIH grant entitled An Anti-inflammatory Barrier for Intraportal Islet Transplantation.
4/1/02 – 3/13/05. E. Chaikof, PI.; **Collin Weber**, Collaborator
Direct costs, year #1 \$103,500.

Juvenile Diabetes Research Foundation: Strategies for Large Scale Islet Replacement.

(JDRF Center for Islet Transplantation at Emory University).
4/1/02 – 9/03/05. **Collin Weber**, Principal Investigator (2002 – 05)
Co-Principal Investigator. Direct costs, year #1, \$1,375,000.

Juvenile Diabetes Research Foundation: Project in Center Grant entitled
“Role of macrophages in rejection and the role of DC4+ CD25+ T cells in regulation of immune responses to encapsulated islet xenografts role of applicant”

Collin Weber, Principal Investigator
Total award: \$132,296 10/01/05 – 09/30/06

Emory University Research Committee
“Tolerance induction to encapsulated porcine islet xenografts as a therapy for Type diabetes”
Total award: \$30,000 5/8/06 - 5/9/07
PI: Susan Safley; **Collin Weber** (Co-investigator)

National Science Foundation Grant (Georgia Tech/Emory Center for the Engineering of Living Tissues): “Evaluation of in vivo Survival of Islet Cell Lines in NOD mice with role of applicant”.
Total award: \$545,576 - 9/01/98 – 08/31/07
PI: Collin Weber

Juvenile Diabetes Research Foundation
“Reduction of Immunosuppression by Microencapsulation of Islet Xenografts”
Total award: \$110,000 - 6/01/06 – 5/31/07
PI: Collin Weber; Susan Safley (Co-Investigator)

Institutional Review Board Protocols (* denotes active protocol)

Current:

Outcomes in Parathyroid Surgery. Emory University IRB. Investigator, Collin Weber, Emory University Hospital and Emory Clinic.
IRB: #394-3/172005- 3/16/2008.

Replication and function of human parathyroid tissues.
Emory University Hospital. Investigator Collin Weber.
IRB: #675-97 exempt from further review.

Previous:

Parathyroid Allo-transplantation in man. Investigator, Columbia University IRB #1322, 6/20/76--6/30/78.

Auto-transplantation of Cultured Human Pancreatic Islets. Investigator, Columbia University IRB #1624, 9/23/77--6/30/78.

Parathyroid Tissue Preservation, *In Vitro* Study and Auto-transplantation. Principal Investigator, Walter Reed Army Medical Center Clinical Investigation Protocol, 7/1/79--8/1/80.
Pancreatic Islet Preservation, Study and Auto-transplantation. Principal Investigator, Columbia University IRB #2451, 10/16/80, and IRB #2473, 1980-1987.

Parathyroid Tissue Preservation, Study and Auto-transplantation. Principal Investigator, Columbia University IRB #2522, '81-'88.

Research with Tissues from Nonviable Human Fetuses: Principal Investigator, Columbia University IRB #X0086, #X0196, #X0212 6/27/83--10/1/89.

Human Islet Cell Clones for Transplantation; Principal Investigator, Columbia University IRB #3212, 10/12/83-10/1/88. To Evaluate Viability of Parathyroid and Islet Cells Obtained from *Cadavers at the Time of Autopsy: Principal Investigator, Columbia University IRB #X0109*, 12/15/83-12/14/88. Transplantation of Human Parathyroids: Principal Investigator, Columbia University IRB #3657, 4/24/85-4/23/89. ¹³¹I-MIBG Scans to Localize Pheochromocytoma: Principal Investigator IRB #3782, 8/28/85 -7/1/90. (Food and Drug Administration IND #25,948.) Transplantation of Human Islets: Principal Investigator, Columbia University, IRB # 3837, 11/20/85-9/10/92.

Intraperitoneal Grafts of Microencapsulated Human Islets: Principal Investigator. IRB #4299, 3/25/87-1/21/88. Columbia University GCRC approval 6/22/87. Evaluation of Somatostatin Analog 201-995 in the Treatment of Pancreatic Islet, Carcinoid and Medullary Thyroid Tumors, Principal Investigator, Columbia University #3708, 11/5/86-9/10/92.

Amendments to IRB #3708:

Use of SMS for Pancreatic and Small Bowel Fistulas, 2/25/87.

Use of SMS for Patients with Thyroid Carcinoma, 3/25/87.

Use of SMS for Patients with Unresectable Adenocarcinoma of the Pancreas, 6/14/88. Use of SMS in Treatment of Short Bowel Syndrome, 8/8/88.

Adrenal Medulla Autografts in Parkinsonism, Dr. Stanley Fahn, Principal Investigator. Co-Investigator. Columbia University IRB #4409, 9/30/87-9/29/89.

Flow-Cytometric Analysis of DNA from Surgically Resected Breast, Thyroid and Parathyroid Tumors, Principal Investigator. Columbia University IRB #X0415, 4/29/88-9/10/92.

Treatment of Patients with Pancreatic Adenocarcinoma with Tamoxifen and Lupron. Columbia University IRB # 5145, 2/14/90-9/10/92.

Endogenous Digitalis-Like Substances in Human Bile.

Dr. Vincent P. Butler, Jr., Principal Investigator. Columbia University IRB, 1991—1992. Collaborator.

Flow-Cytometric Analysis of DNA from Surgically Resected Thyroid and Parathyroid Tumors, Principal Investigator. Emory University HIC # 575-92, 1992 – 1996.

Treatment of Macrocystic Disease of the Breast with Thyroid Hormone, Principal Investigator. Emory University HIC # 495-94, 2/4/97 – 7/18/01.

Structural Basis of Diagnostic Nuclear Morphologic Changes in Papillary Thyroid Carcinoma, Co-Investigator. Emory University HIC 137-97, 4/2/99 – 4/28/05.

Formal Teaching:

Mentoring – Endocrine Surgery Fellowship Program, Emory University:

Mira Milas, MD – Endocrine Surgery Fellowship Program, Emory University - 7/1/2001 – 6/30/2002. Current appointment: Associate Professor of Surgery, The Cleveland Clinic, Learner College of Medicine of Case Western Reserve University, Cleveland, Ohio

Jyotirmay Sharma, MD – Endocrine Surgery Fellowship Program, Emory University – 7/1/05 – 6/30/06.

Current appointment: Assistant Professor of Surgery, Emory University School of Medicine, Atlanta, Georgia

Medical Student Teaching and Graduate Program:

Surgery, Course #M7201: Clinical Clerkship in Surgery, for 3rd Year Students. Annual participation,
General Surgery Service. Daily supervision of residents in surgery, and weekly teaching conferences.
Resident Teaching Lectures, Surgery Resident Basic Science Course.
Surgical Anatomy & Technique Senior Medical Student Elective- Lecturer.
Reviewer for annual Awards Program, Department of Medicine, June 2008.

Supervisory Teaching:

Supervision of Medical Student Laboratory Research

(* Denotes P. & S. Dean's Advisory Committee for Summer Research, Columbia University, College of Fellowship, and years work done).

*Michael Kazim, '81 - '85.

Islet transplantation, microencapsulation, and topical administration of insulin and somatostatin analogue.

*Asha Gopol, '82.

Isolation and culture fetal avian islet tissue.

*Scott Pruitt, '84.

Islet transplantation in a model of autoimmune diabetes.

Jonathan Scharfstein (Penn), '84.

Immunoisolation of islets with monoclonal antibodies.

*Douglas Jicha, '86.

Topical administration of a somatostatin analogue.

*Alison McLarty, '87.

Isolation and transplantation of human and porcine islets.

Metabolic studies of SZN-diabetes induction in monkeys.

- *Stephen Zabinski, '88.
Xenotransplantation of microencapsulated rat and dog islets into spontaneously diabetic NOD mice.
- *Louis Merriam, '88.
Inhibition of growth of human breast carcinoma xenografts in nude mice with somatostatin analogue treatment.
- Jose Rodriguez, '88.
Insulin administration via an ileal conduit.
- Paul Maddon, '87 - '88.
Islet microencapsulation, parathyroid oncogenes.
- *Michael Marvin, '89.
Effects of tamoxifen and somatostatin on growth of human thyroid cell lines, in vitro and in vivo in nude mice.
- *Marie Diana, '89.
Regulation of growth of human colon carcinoma cells by gastrin and somatostatin.
- Scott Rosen, (Penn/NYU) '90.
Insulin and gamma interferon administration via an ileal conduit.
- *Angelo Tanna, '91.
Microencapsulated islet xenografts in recombinant mice.
- *Dean Kim, '91.
GRP in human breast cysts, and breast and parathyroid tumors; correlations with K^+ , Na^+ and ATPase inhibitory activity.
- Susan Krekun, (Downstate) '91.
Porosity and biocompatibility of microcapsules.
- Karen Rosenkrantz, '82.
Islet transplantation in autoimmune diabetes.
- Windson Ting, '82.
Islet transplantation in autoimmune diabetes.
- Robert Michler, '83 - '84.
Procurement and processing of human pancreatic islets.
- John Chabot, '85 - '86.
Isolation of human and primate islets.
Diabetic mice as a bioassay of human islet viability. Ultraviolet irradiation of human islets, and islet transplantation into diabetic monkeys.

Mark Stegall, '87 - '88.
Effects of cyclosporine on islet function in monkeys.

John Chrysochoos, '94 - '96; Parathyroid Replication.
Islet Transplantation and Encapsulation.

**Invited National and International Lectures and
Invitations to National or International Conferences**

"Microencapsulated Islet Xenografts".
International Workshop on Methods in Islet Transplantation Research, Bad Nauheim,
The University of Giessen, FRG, 6/89.

"Characteristics of Microencapsulated Islet Grafts".
Third International Symposium on Islet Transplantation, The University of Perugia,
Gubbio (Perugia), Italy, 9/91.

"Microencapsulated Islet Transplantation in Autoimmune Diabetes".
XIXth Congress of the European Society of Artificial Organs.
Rodos, Greece, 10/92.

"Contributions and Limitations of Technetium 99-M Sestamibi-Iodine 123 (T/S)
Imaging to Reoperative Parathyroid Surgery", Annual Meeting, The Georgia Surgical
Society, Sea Island, Georgia, 9/93.

"Tissue Engineering with the Use of Biomedical Polymers".
Tanuguchi Symposium, Kyoto, Japan, November 7-12, 1995.

"Bioartificial Organs II: Technology, Medicine and Materials."
Engineering Foundation, Banff, Canada, July 18-23, 1998.

"Polymers as Immune Barriers: Functional Outcomes".
1999 Gordon Research Conferences on Biomaterials: Biocompatibility/Tissue
Engineering, Ashland, NH, July 18-23, 1999.

"Large Scale Islet Cell Replacement".
2nd Annual Diabetes Technology Meeting
Atlanta, GA, October 31- November 2, 2002

"Large Scale Islet Cell Replacement"
University of Pittsburgh, Division of Endocrinology & Metabolism
JDRF Chapter Forum presentation
Pittsburgh, PA, November 7, 2002

"Prospects for Large Scale Islet Replacement"
Keynote speaker for JDRF Richmond Chapter

Richmond, VA, March 2003.

“Parathyroidectomy in 2003: Something Old—Something New”
Speaker for Georgia Surgical Society Meeting
Sea Island, GA, November 15, 2003

“Surgical Therapy for Hyperparathyroidism – 2005”
Speaker for Macon Surgical Society, January 12, 2005

“Pancreatic Islet Transplantation”, talk for Grand Rounds
Macon Medical Center, January 13, 2005.

“Pancreatic Islet Transplantation: Where we have been, Where we are, Where we are going”,
talk for The West Tennessee Branch of the JDRF, March 3, 2005

“Microencapsulated Islet Xenografts”
Invited lecturer at the IV International Symposium for New Technologies for Insulin
Replacement, University of Perugia, Assisi Italy, April 30, 2005.

“Islet Transplantation in 2005: Where we have been, and where we are going”
Invited speaker for 2005 Annual Diabetes Symposium, Valdosta, GA, November 19, 2005

Invited participant on Grant Review Committee for JDRF Australian Islet Transplantation
Center Review, New York, February 2006.

“Long-Term Function of Microencapsulated Human Islets in Diabetic Mice”
Invited co-presenter at the American Association of Immunologists, Boston, MA, May 2006.

“A Clinically Relevant Microcapsule for Islet Transplantation”
Invited co-presenter at the World Transplant Congress, Boston, MA, July 2006.

Invited Speaker at the Winship Cancer Center’s CaD4 Fall Retreat
“Novel Methods for Encapsulating Anti-Cancer Agents”, September 2006.

“A Clinically Relevant Microcapsule for Islet Transplantation”
Invited lecturer at Symposium for Georgia Tech/Emory Industry Partners at Emory
Conference Center, October 2006.

“A Clinically Relevant Microcapsule for Islet Transplantation”
Invited lecturer at 14th International Workshop on Bioencapsulation Meeting,
Lausanne, Switzerland, October 2006.

Invited participant for Grant Review Committee for NIDDK applications, by teleconference.
Bethesda, November 2006.

Invited speaker for Cancer Drug Discovery, Development & Delivery Program’s Fall Retreat,
Emory Winship Cancer Institute: “Novel Methods for Encapsulating Anti-Cancer Agents,
September 2006.

“A Clinically Relevant Microcapsule for Islet Transplantation”

Invited speaker at the JDRF sponsored Controlled Release Society Mini Symposium in Long Beach, CA, July 2007.

Invited participant for JDRF Grant Application Reviews for proposed Australian Islet Transplant Program, by teleconference, October 2007.

“Diabetes Treatment: Advances in Cell-Based Therapies”.

Panel leader and invited speaker for Biotechnology Industry Organization sponsored by GATech/Emory Center for Living Tissues, Bio 2008 Conference, San Diego, July 18, 2008

“The Role of Parathyroidectomy in Chronic Kidney Disease”.

National Kidney Foundation of Georgia and South Carolina, presentation for The Georgia-South Carolina Society of Nephrology Annual Meeting, Sept. 2008. Hilton Head Island, SC.

BIBLIOGRAPHY

Peer-Reviewed Journal Publications (* denotes senior authorship)

1. Concanavalin-A: Effects on rat heart allograft survival and immune responses.
Weil, R., Nozawa, M., Chernack, W., **Weber, C.**, Reemtsma, K. and McIntosh, R.

Transplantation 1974;17:600-604.

2. Serum inhibitory factors in cancer.

Suciu-Foca, N., Buda, J., LoGerfo, P., Moulton, A., **Weber, C.**, Wheeler, B. and Reemtsma, K.

Oncology 1974;29:219-226.

3. Effect of pancreas transplantation on diabetic nephropathy in rats.

Weil, R., Nozawa, M., Koss, M., **Weber, C.**, Reemtsma, K. and McIntosh, R.

Surgical Forum 1974;25:386-388.

4. The results of treatment of popliteal artery aneurysms: a follow-up study of 86 aneurysms.

Buda, J., **Weber, C.**, McAllister, F. and Voorhees, A.

Journal of Cardiovascular Surgery 1974;15:615-619.

5. Cardiac heterotransplantation: Morphological and immuno-histological studies.

Weil, R., Nozawa, M., **Weber, C.**, Koss, M., Chernack, W., McIntosh, R. and Reemtsma, K.

Transplantation 1975;19:150-155.

6.* Xenotransplantation of piscine islets into hyperglycemic rats.

Weber, C., Weil, R., McIntosh, R., Hogle, H., Warden, G. and Reemtsma, K.

Surgery 1975;77:208-215.

7. Pancreatic transplantation in diabetic rats: Renal function, morphology, ultrastructure and immunohistology.
Weil, R., Nozawa, M., Koss, M, **Weber, C.**, Reemtsma, K. and McIntosh, R.
Surgery 1975;78:142-148.
- 8.* Transplantation of pancreatic islets from neonatal to adult rats.
Weber, C., Weil, R., McIntosh, R. and Reemtsma, K.
Transplantation 1975;19:442-444.
- 9.* Effect of pancreatic islet transplantation on insulin and glucagon levels in diabetic rats.
Weber, C., Lerner, R., Felig, P., Hardy, M. and Reemtsma, K.
Surgical Forum 1975; 26:192-194.
10. The kidney in streptozotocin diabetic rats.
Weil, R., Nozawa, M., Koss, M., **Weber, C.**, Reemtsma, K. and McIntosh, R.
Arch. Pathol. Lab. Med. 1976;100:37-49.
- 11.* Pancreatic islet isografts, allografts and xenografts: Comparison of morphology and function.
Weber, C., Zatriqi, A., Weil, R., McIntosh, R., Hardy, M. and Reemtsma, K.
Surgery 1976; 79:144-151.
- 12.* Hyperinsulinemia and hyperglucagonemia following pancreatic islet transplantation in diabetic rats.
Weber, C., Hardy, M., Lerner, R., Felig, P. and Reemtsma, K.
Diabetes 1976;25:944-948.
- 13.* Pancreatic islet transplantation and hyperparathyroidism in diabetic rats.
Weber, C., Hardy, M., Williams, G., Lerner, R. and Reemtsma, K.
Surgical Forum 1976;27:317-320.
14. Factors influencing patency of femoropopliteal artery bypass grafts.
Buda, J., **Weber, C.**, McAllister, F. and Voorhees, A.
American Journal of Surgery 1976; 132:8-12.
- 15.* Tissue culture isolation and preservation of human cadaveric pancreatic islets.
Weber, C., Hardy, M., Lerner, R. and Reemtsma, K.
Surgery 1977;81:270-273.
- 16.* Somatostatin-induced suppression of basal insulin levels in long-term islet-transplanted rats.
Weber, C., Lerner, R., Hardy, M. and Reemtsma, K.
Surgical Forum 1977;28:304-306.
17. Long-term maintenance of responsive human parathyroid tissue in organ culture.
Derenoncourt, F., Bilezikian, J., Feind, C. **Weber, C.**, Hardy, M. and Reemtsma, K.
Surgical Forum 1977;28:107-109.

- 18.* Tissue culture preservation and intramuscular transplantation of pancreatic islets.
Weber, C., Hardy, M., Pi-Sunyer, F., Zimmerman, E., Reemtsma, K.
Surgery 1978;84:166-174.
19. Survival and allotransplantation of cultured human parathyroids.
Feind, C., **Weber, C.**, Williams, G., Hardy, M. and Reemtsma, K.
Transplantation Proceedings 1979;11:1011-1016.
- 20.* Effects of islet transplantation on renal function and morphology of short and long-term diabetic rats.
Weber, C., Silva, F., Pirani, C. and Reemtsma, K.
Transplantation Proceedings 1979;11:549-556.
- 21.* Organ culture studies for pancreatic islet transplantation.
Reemtsma, K., **Weber, C.**, Pi-Sunyer, F., Lerner, R., Zimmerman, E. and Hardy M.
Transplantation Proceedings 1979;11:1002-1010.
22. Selection of a practical method of pancreatic islet transplantation in the rat.
Pi-Sunyer, F., Woo, R., **Weber, C.**, Hardy, M. and Reemtsma, K.
Surgical Forum 1979;30:301-303.
23. Alternatives in pancreatic islet transplantation: Tissue culture studies.
Reemtsma, K., **Weber, C.**, Pi-Sunyer, F., Lerner, R. and Hardy, M.
Diabetes 1980;29:45-52.
- 24.* New approaches to islet salvage: Cryopreservation, culture and perfusion of **pancreatic fragments.**
Weber, C., Strong, D., Hirata, R., Collins, J., Light, J., Nichols, J., Press, H., Gamez, A. Wilkinson, D. Budd, R., Jones, L. and Reemtsma, K.
Transplantation Proceedings 1980;12:195-198.
- 25.* Quality control in human islet autotransplantation.
Weber, C., Hirata, R., Strong, D., Gamez, A., Wilkinson, D., Pi-Sunyer, F., Hardy, M. & Reemtsma, K.
Transplantation Proceedings 1980;12:199-201.
26. Organ culture of human parathyroid glands: Effects of catecholamines.
Derenoncourt, F., Bilezikian, J., Hardy, M., **Weber, C.** and Reemtsma, K.
Journal of Surgical Research 1981;30:86-95.
- 27.* C-terminal parathyroid hormone, prostaglandins and gastrin-like immunoreactivity in human parathyroid cultures.
Weber, C., Fabri, P., DiBella, F., Cannon, P., Hardy, M., LoGerfo, P. and Feind, C.
Surgical Forum 1982;33:12-14.

- 28.* Murine islet cryopreservation and corticosteroids: functional studies.
Weber, C., Pi-Sunyer, F. and Reemtsma, K.
Cryobiology 1982;20:219-225.
29. Comparison of fine-needle and coarse-needle biopsies in evaluating thyroid nodules.
LoGerfo, P., Colacchio, T., Caushaj, F., **Weber, C.** and Feind, C.
Surgery 1982;92:835-838.
30. Hypogastrinemia in streptozotocin diabetes with islet transplantation-reconstitution.
Fabri, P., **Weber, C.**, Gower, W. and Reemtsma, K.
Journal of Surgical Research 1983;34:432-437.
- 31.* Major histocompatibility complex (MHC), genetic background and streptozotocin (SZN) diabetes.
Weber, C., Rivera, S., Ting, W., Rosenkrantz, K., Pernis, B. and Reemtsma, K.
Surgical Forum 1983;34:365-367.
32. Effect of hyperparathyroidism on gastrin molecular species in MEA -1.
Fabri, P., Sparks, J., Johnson, J., Gower, W. and **Weber, C.**
Surgical Forum 1983;34:61-62.
- 33.* Pancreatic polypeptide (PP) immunoreactivity in human parathyroid culture media.
Weber, C., Modlin, I., DiBella, F., LoGerfo, P., Hardy, M., Feind, C. and Reemtsma, K.
Journal of Surgical Research 1983;35:421-425.
34. Immunotherapy of thyroid carcinoma by induction of thyroiditis.
LoGerfo, P., Ting, W., **Weber, C.** and Feind, C.
Surgery 1983;94:959-965.
35. The incidence of carcinoma in encapsulated follicular adenomas diagnosed by large needle biopsy.
LoGerfo, P., Ting, W., **Weber, C.** and Feind, C.
Surgery 1983;94:1008-1010.
- 36.* Islet transplantation in auto-immune diabetes mellitus.
Weber, C., Ting, W., Rosenkrantz, K., Rivera, S., Pernis, B. and Reemtsma, K.
Transplantation Proceedings 1984;16:845-848.
- 37.* Murine streptozotocin diabetes: Influences of the major histocompatibility complex, genetic background and blood transfusion.
Weber, C., Pernis, B., Ting, W., Rosenkrantz, K. and Reemtsma, K.
Diabetologia 1984;27:160-162.
38. Pancreatic islet transplantation: Immunoalteration with ultraviolet irradiation.
Hardy, M., Lau, H., **Weber, C.** and Reemtsma, K.

World Journal of Surgery 1984;8:207-213.

39.* Donor-specific platelet transfusion (DSPT) prolongs mouse islet allograft survival.

Weber, C., Pernis, B. and Reemtsma, K.
Transplantation Proceedings 1985;17:1116-1117.

40.* Effect of topical insulin on blood glucose (BG) of diabetic mice.

Kazim, M., **Weber, C.**, Strausberg, L., LaForet, G., Reemtsma, K.
Surgical Forum 1984;35:64-66.

41. Pancreatic islet transplantation: Induction of graft acceptance by ultraviolet irradiation of donor tissue.

Hardy, M., Lau, H., **Weber, C.** and Reemtsma, K.
Annals of Surgery 1984;200:441-450.

42.* Presence of neuron-specific enolase and somatostatin in human parathyroid tissues.

Weber, C., Marangos, P., Richardson, S., LoGerfo, P., Hardy, M., Feind, C. and Reemtsma, K.
Surgery 1985;98:1008-1012.

43. Incidence of cancer in surgically treated thyroid nodules based on method of selection.

LoGerfo, P., Starker, P., **Weber, C.**, Moore, D. and Feind, C.
Surgery 1985;98:1197-1201.

44. Hyperparathyroid glands contain G-17 and G-34 gastrin.

Fabri, P., Gower, W. and **Weber, C.**
Journal of Surgical Research 1986;41:333-337.

45.* Diabetic mouse bioassay for functional and immunologic human and primate islet xenograft survival.

Weber, C., Hardy, M., Rivera, S., Bailey-Braxton, D., Michler, R., Thomas, W., Chabot, J., Pi-Sunyer, F., Wood, M., Reemtsma, K.
Transplantation Proceedings 1986;18:823-828.

46.* Prevention of multiple low-dose streptozotocin (MLD-SZN) diabetes in B10.BR mice by whole body ultraviolet irradiation.

Weber, C., LaForet, G., Strausberg, L., Rivera, S., Munding, T. and Reemtsma, K.
Transplantation Proceedings 1986;18:812-816.

47. Hemorrhagic pancreatitis following heart-lung preservation in primates.

Sadeghi, A., **Weber, C.**, Rose, E., Kurlansky, P., Chabot, J., Michler, R., Reemtsma, K. and Smith, C.
Surgical Forum 1986;37:257-258.

- 48.* Synergy of ALS and UVB in prolongation of primate-to-mouse islet xenograft survival.
Chabot, J., **Weber, C.**, Hardy, M., Rivera, S., Bailey-Braxton, D., Strausberg, L., Wood, M. Pi-Sunyer, F. and Reemtsma, K.
Transplantation Proceedings 1987;19:1160-1165.
- 49.* Passage of somatostatin analogue 201-995 across human and mouse skin.
Weber, C., Jicha, D., Matz, S., Siverly, J., O'Dorisio, T., Strausberg, L., Laurencot, J., McLarty, A.,
Norton, J., Kazim, M. and Reemtsma, K.
Surgery 1987;102:974-981.
50. Pancreatic islet allo- and xenotransplantation in cynomolgus monkeys and the effect of cyclosporin on glucose tolerance.
Stegall, M., Chabot, J., **Weber, C.**, Reemtsma, K. and Hardy, M.
Surgical Forum 1988;39:384-386.
51. Pancreatic islet allo- and xenotransplantation in cynomolgous monkeys.
Chabot, J., Stegall, M., **Weber, C.**, Reemtsma, K. and Hardy, M.
Transplantation Proceedings 1989; 21:2739-2740.
52. The effect of cyclosporine on the glucose tolerance of normal monkeys.
Stegall, M., Chabot, J., Englestad, K., Jin, M., **Weber, C.**, Reemtsma, K. and Hardy, M.
Transplantation Proceedings 1989;21:926-927.
- 53.* Inhibition of growth of MCF-7 human breast carcinoma in vivo by somatostatin analog SMS #201-995.
Weber, C., Merriam, L., Koschitzky, T., Karp, F., Benson, M., Forde, K. and LoGerfo, P.
Surgery 1989;106:416-422.
- 54.* GRP-, CGRP- and calcitonin-like immunoreactivity in human breast cyst fluids and GRP immunoreactivities in human breast cancer cell lines.
Weber, C., O'Dorisio, T., McDonald, T., Howe, B., Koschitzky, T. and Merriam,
Surgery 1989;106:1134-1140.
55. Pancreatic islet transplantation in cynomolgus monkeys: Initial studies and evidence that cyclosporine impairs glucose tolerance in normal monkeys.
Stegall, M., Chabot, J., **Weber, C.**, Reemtsma, K. and Hardy, M.
Transplantation 1989;944-950.
- 56.* The role of CD4+ helper T cells in destruction of microencapsulated islet xenografts in NOD mice.
Weber, C., Zabinski, S., Koschitzky, T., Wicker, L., Rajotte, R., D'Agati, V., Peterson, L., Norton, J. and Reemtsma, K. *Transplantation* 1990;49:396-404.

57.* Microencapsulated dog and rat islet xenografts into streptozotocin-diabetic and NOD mice.

Weber, C., Zabinski, S., Koschitzky, T., Rajotte, R., Wicker, L., Peterson, L., D'Agati, V. and Reemtsma, K.

Horm. Metabol. Res. 1990;(Suppl. #25):219-226.

58.* Effects of tamoxifen and somatostatin analogue on growth of human medullary, follicular and papillary thyroid carcinoma cell lines: Tissue culture and nude mouse xenografts studies.

Weber, C., Marvin, M., Krekun, S., Koschitzky, T., Karp, F., Benson, M. and Feind, C.

Surgery 1990;108:1065-1071.

59.* Prolonged functional survival of rat-to-NOD mouse islet xenografts by ultraviolet-B (UV-B) irradiation plus microencapsulation of donor islets.

Weber, C., Krekun, S., Koschitzky, T., Zabinski, S., D'Agati, V., Hardy, M. and Reemtsma, K.

Transplantation Proceedings 1991;23:764-766.

60.* Vasoactive intestinal polypeptide-, neurotensin-, substance P-, gastrin-releasing peptide-, calcitonin-, calcitonin gene related peptide- and somatostatin-like immunoreactivities in human parathyroid glands.

Weber, C., O'Dorisio, T., Howe, B., D'Agati, V., Ward, L., Russell, J. and Feind C.

Surgery 1991;110:1078-1085.

61.* Causes of destruction of microencapsulated islet grafts: Characteristics of a 'double-wall' poly-L-lysine-alginate microcapsule.

Weber, C., Costanzo, M., Krekun, S. and D'Agati, V.

Diabetes, Nutrition and Metabolism. 1992; (suppl.1):167-171.

62.* Relationships of parathyroid hormone (PTH), parathyroid secretory protein (PSP), PTH messenger RNA (mRNA), PSP mRNA and replication in human parathyroid adenoma and 2^o hyperplasia tissues and cultures.

Weber, C., Russell, J., Costanzo, M., Karp, F., Benjamin, M., Hardy, M. and Feind, C.

Surgery, 1992;111:1089-1094.

63.* Humoral reaction to microencapsulated rat, canine, and porcine islet xenografts in spontaneously diabetic NOD mice.

Weber, C., D'Agati, B., Ward, L., Costanzo, M., Rajotte, R., and Reemtsma, K.

Transplantation Proceedings 1993;25(1):462-463.

64.* The value of technetium 99m sestamibi-iodine¹²³ (T/S) imaging in reoperative parathyroid surgery.

Weber, C., Van Sant, J., Alazraki, N., Christy, J., Watts, N. Phillips, L., Mansour, K., Sewell, W., and McGarity, W.

Surgery 1993;114:1011-18.

65. Preoperative localization of parathyroid tissue with technetium-99m sestamibi I-¹²³ subtraction scanning.
Thule, P., Thakore, K., Vansant, J., McGarity, W., **Weber, C.**, Phillips, L.S.,
Journal Clinical Endocrinology and Metabolism 1993;78:77-82.
66. * Relationships of Na⁺ and K⁺ concentrations to GRP, CGRP and calcitonin immunoreactivities and Na⁺,K⁺-ATPase(NKA) inhibitory activity in human breast cyst fluid.
Weber, C., Kim, D., Costanzo, M., Morris, J., Howe, B., Ward, L., D'Agati, V.,
McDonald, T., O'Dorisio, T., Butler, V.P., Jr. *Annals of Surgical Oncology* 1994;1:339-344.
- 67.* Effects of host genetic background on survival of rat-->mouse islet xenografts.
Weber, C., Tanna, A., Costanzo, M., Price, J., Peterson, L., Wicker, L.
Transplantation Proceedings 1994;26:1186-1188.
- 68.* NOD mouse peritoneal cellular response to poly-l-lysine-alginate microencapsulated rat islets.
Weber, C., Price, J., Costanzo, M., Becker, A., Stall, A.
Transplantation Proceedings 1994;26:1116-1119.
- 69.* Persistent (PD) and recurrent (RD) sporadic 1⁰ hyperparathyroidism (1⁰ HPT): Histopathology, complications and results of reoperation.
Weber, C., Sewell, C. W. and McGarity, W.
Surgery 1994;116:991-8.
70. DNA index (DI) and ploidy distinguish normal human parathyroids from parathyroid adenomas and primary (1⁰) hyperplastic parathyroids.
Chrysochoos, J., **Weber, C.**, Cohen, C., Moore, J., DeRose, P., Hagler, M., Bray, R., Stempora, L., Mainiero, M., and McGarity, W.
Surgery 1995;118:1041-1050.
71. Encapsulated islet iso-, allo-, and xeno-grafts in diabetic NOD mice.
Weber, C., Hagler, M., Konieczny, B., Chrysochoos, J., Rajotte, R., Lakkis, F., Lowry, R.
Transplantation Proceedings 1995;27(6):3308-11.
72. CTLA4-Ig prolongs survival of microencapsulated rabbit islet xenografts in spontaneously diabetic NOD mice.
Weber, C., Hagler, M., Chrysochoos, J., Larsen, C., Pearson, T., Jensen, P., Kapp, J., Linsley, P.
Transplantation Proceedings 1996;28:821-23.
73. Parathyroid hormone content distinguishes true normal parathyroids from parathyroids of patients with primary hyperparathyroidism.
Weber, C., Russell, J., Chrysochoos, J., Hagler, M., McGarity, W.
World Journal of Surgery 1996;20:1010-15.
74. CTLA4-Ig prolongs survival of microencapsulated neonatal porcine islet

xenografts in diabetic NOD mice.

Weber, C., Hagler, M., Chrysochoos, J., Korbitt, G., Rajotte, R., Linsley, P., Kapp, J.

Cell Transplantation 1997;6(4):505-508.

75. Laparoscopic Adrenalectomy: New Gold Standard

Smith, D., **Weber, C.**, Amerson, M.

World Journal of Surgery 1999;23:389-396.

76. Retrospective Analysis of Sequential Changes in Serum Intact Parathyroid Hormone (PTH) Levels During Conventional Parathyroid Exploration.

Weber, C. and Ritchie, James C.

Surgery, 1999; 1139-1144.

77. Safley, SA, Kapp JA, Hering B, **Weber CJ.**

Evaluation of Graft-Host Response for Various Tissue Sources and Animal Models.

Weber, C., Safley, S., Hagler, M., and Kapp, J. In D. Hunkeler (Ed.), *BIOARTIFICIAL ORGANS--II*, New York Academy of Medicine, 1999; 875:233-254.

78. Fisher, A., Taysavang, P., **Weber, C.**, Wilson, KSwitzer WM, Michler RE, Shanmugam V, Matthews A, Musain AI, Wright A, Sandstrom P, Chapman LE, **Weber CJ**, Safley, SA, Denny RR, Navarro A, Evans V, Norin AJ, Kwiatkowski P, Heneine W.

Lack of Cross-Species Transmission of Porcine Endogenous Retrovirus Infection to Nonhuman Primate Recipients of Porcine Cells, Tissues, or Organs. *Transplantation*, Apr. 2001;7;959-965.

79. Fischer AH, Taysavang P, **Weber CJ**, Wilson KL. Nuclear Envelope Organization in Papillary Carcinoma. *Histology and Histopathology*. 2001; 16:1-14.

80. Safley SA, Kapp JA, **Weber CJ.**

“Proliferative and Cytokine Responses in CTLA4-Ig-Treated Diabetic NOD Mice Transplanted with Microencapsulated Neonatal Porcine ICCs. *Cell Transplantation*, 2002;11;695-705.

81. Milas M, Easley K, Wagner KA, Siperstein A, **Weber CJ.** Double Adenomas Revisited: Non-uniform Distribution Favors Enlarged Superior Parathyroids (Fourth Pouch Disease)

Surgery, 2003;134:995-1004.

82. Milas M, Bush RL, Lin P, Brown K, Mackay G, Lumsden A, **Weber C**, Dodson TF.

Calciphylaxis and Non-Healing Wounds: The Role of the Vascular Surgeon in a Multidisciplinary Treatment. *The Journal of Vascular Surgery*, 2003;37:501-7.

83. Safley SA, Villinger EH, Jackson EH, Tucker-Burden C, Cohen C, **Weber CJ.**

Interleukin-6 production and secretion by human parathyroids. *Clin Exp Immunol* 2004; 136: 145-156.

84. Milas M and **Weber, CJ.** Near-Total Parathyroidectomy is Beneficial for Patients with Secondary and Tertiary Hyperparathyroidism. *Surgery*, 2004;136:1252-1260.

85. Cui W, Barr G, Faucher KM, Sun XL, Safley SA, **Weber CJ**, Chaikof EL. A membrane-mimetic barrier for islet encapsulation. *Transplant Proceedings*, 2004 May; 36(4):1206-8.

86. Safley SA, Kapp LM, Tucker-Burden C, Hering B, Kapp JA, **Weber CJ**. Inhibition of Cellular Immune Responses to Encapsulated Porcine Islet Xenografts by Simultaneous blockade of Two Different Costimulatory Pathways. *Transplantation*, 2005; 79:409-18.
87. Milas K, **Weber CJ**. The Impact of Office Neck Ultrasonography on Reducing Unnecessary Thyroid Surgery in Patients Undergoing Parathyroidectomy. *Thyroid* 2005 15 (9); 1055-9.
88. Pollard DB, **Weber CJ**, Hudgins PA. Preoperative imaging of thyroid goiter: how imaging technique can influence anatomic appearance and create a potential for inaccurate interpretation. *ANJR* 2005; 26: 1215-1217.
89. Cardona K, Korbitt GS, Milas Z, Lyon J, Cano Jose, Jiang W, Bello-Laborn H, Hacquoil B, Strobert E, Gangappa S, **Weber CJ**, Pearson TC, Rajotte RV, Larsen CP. Long-term survival of neonatal porcine islet xenografts in non-human primates by targeting costimulation pathways. *Nature Medicine* March 2006 12(3) 304-306.
90. Black SP, Constantinidis I, Cui H, Tucker-Burden C, **Weber CJ**, Safley SA. Immune responses to an encapsulated allogeneic islet β cell line in diabetic NOD mice. *Biochem. Biophys, Res Comm.* 340 (2006) 236-243.
91. Sharma J, Mazzaglia P, Milas M, Berber E, Schuster DM, Halkar R, Siperstein A, **Weber CJ**. Radiounclide Imaging for Hyperparathyroidism (HPT): Which is the Best ⁹⁹ Tc Sestamibi Modality? *AAES*, May 2006. *Surgery*, 140 (6): 2006 December, 856-865.
92. Cardona K, Milas Z, Strobert E, Cano J, Jiang W, Safley SA, Gangappa S, Hering BJ, **Weber CJ**, Pearson TC, Larsen CP. Engraftment of Adult Porcine Islet Xenografts in Diabetic Nonhuman Primates Through Targeting of Costimulation Pathways. *American Jn. of Transplantation*, April 2007; 7: 1-9.
93. Sharma J, Milas M, Berber E, Mazzaglia P, Siperstein A, **Weber CJ**. The Value of Intraoperative Parathyroid Hormone (IOPHT) Monitoring. *Annals of Surgical Oncology*, August, 2007; DOI: 10.1245/s10434-007-9683-2.
94. Safley SA, Cui H, Cauffiel S, Weber CJ. Biocompatibility and Immune Acceptance of Adult Porcine Islets Transplanted IP in Diabetic NOD Mice in Calcium alginate PLL Microcapsules versus Barium Alginate Microcapsules without PLL. *Jn. of Diabetes Science and Technology*, submitted August 2008.

Symposium contributions and Book chapters:

- 1.* Pancreatic islet transplantation. **Weber, C**. Thesis, Columbia University, 1977.
2. Pancreas and pancreatic islet transplantation. Reemtsma, K. and **Weber, C**.

In D. Sabiston, Jr.(Ed). THE SABISTON TEXTBOOK OF SURGERY: THE BIOLOGICAL BASIS OF SURGICAL PRACTICE, 11TH Ed., W. B. Saunders, Philadelphia, 1977.

3.* Experimental and clinical transplantation of pancreatic islets.

Hardy, M., Weber, C. and Reemtsma, K.

Resident Staff Physician 1978;24:82-85.

4.* Islet transplants and nephropathy.

Weber, C., Silva, F., Hardy, M., Pirani, C. and Reemtsma, K.

In E. Friedman and F. L'Esperance (Eds.) DIABETIC RENAL-RETINAL SYNDROME, Grune & Stratton, New York, 1980, pp 373-402.

5.* Toward xenografts in human diabetics.

Weber, C., Zatriqi, A., Weil, R., Hardy, M. and Reemtsma, K.

In E. Friedman and F. L'Esperance (Eds) DIABETIC RENAL-RETINAL SYNDROME, Grune & Stratton, New York, 1980, pp 419-433.

6. Pancreas and pancreatic islet transplantation.

Reemtsma, K. and **Weber, C.**

In D. Sabiston, Jr.(Ed). THE SABISTON TEXTBOOK OF SURGERY: THE BIOLOGICAL BASIS OF SURGICAL PRACTICE, 12TH Ed., W. B. Saunders, Phila., 1981, pp 537-542.

7. Progress in endocrine transplantation.

Reemtsma, K. and **Weber, C.**

New York State Journal of Medicine 1981:1613-1616.

8.* Uses of tissue culture and cryopreservation in pancreatic islet transplantation.

Weber, C., Pi-Sunyer, F., Zimmerman, E., Nilaver, G., Kazim, M., Hegre, O. and Reemtsma, K.

In R. Acton (Ed), EUKARYOTIC CELL CULTURE., Academic Press, New York, 1984, pp 489-526.

9. SURGERY; PRETEST SELF-ASSESSMENT AND REVIEW., 3rd Ed.,

King, T., Nowygrod, R., Ruby, S. and **Weber, C.**

McGraw-Hill, New York, 1984.

10. Pancreas and pancreatic islet transplantation.

Reemtsma, K. and **Weber, C.**

In D. Sabiston, Jr., (Ed) THE SABISTON TEXTBOOK OF SURGERY: THE BIOLOGICAL BASIS OF SURGICAL PRACTICE., 13th Ed., W. B. Saunders, Phila., 1986, pp 469-474.

11. Transplantation of pancreas, parathyroids intestine and other organs.

Reemtsma, K. and **Weber, C.**

In K. Welch, et.al. (Eds.) PEDIATRIC SURGERY, 4th Ed., Yearbook Medical Publ., New York, 1986, pp 395-400.

12. Xenogeneic islets of Langerhans for human transplantation: Functional and morphologic studies of primate, bovine and rabbit islets.

Reemtsma, K., **Weber, C.**, Kazim, M., Pi-Sunyer, F., Nilaver, G. and Fenoglio, C.
In E. Friedman and F. L'Esperance (Eds), DIABETIC RENAL-RETINAL SYNDROME, III,
Grune & Stratton, New York, 1986, pp 521-546.

13.* Isolation of xenogeneic islets of Langerhans for human transplantation: Comparative studies of primate, human, murine and rabbit islets.

Reemtsma, K., Chabot, J., Pi-Sunyer, F. and **Weber, C.**

In J. Andrade (Ed.), ARTIFICIAL ORGANS, VCH Publ., Deerfield, Fla.,1987, pp 393-407.

14* Microencapsulation.

Norton, J., **Weber, C.** and Reemtsma, K.

In R. van Schilfgaarde and M. Hardy (Eds.) TRANSPLANTATION OF THE ENDOCRINE PANCREAS IN DIABETES MELLITUS, Elsevier, Amsterdam, 1988, pp 308-311.

15* The future role of microencapsulation in xenotransplantation.

Weber, C., Zabinski, S., Norton, J., Koschitzky, T., D'Agati, V. and Reemtsma, K.

In M. Hardy (Ed.), XENOGRAFT-25, Elsevier, Amsterdam, 1989, pp 297-308.

16* Xenografts of microencapsulated rat, canine, porcine, and human islets into streptozotocin (SZN) - and spontaneously diabetic (NOD) mice.

Weber, C., Costanzo, M., Zabinski, S., Krekun, S., Koschitzky, T., D'Agati, V., Wicker, L., Rajotte, R. and Reemtsma, K.

In C. Ricordi (Ed.). PANCREATIC ISLET TRANSPLANTATION. R.G. Landes Co., Austin/Berlin. 1992;177-190.

17* Microencapsulation in small animals-II: Xenografts Pancreatic islet transplantation series.

In R. Lanza and W. Chick (Eds.) **Weber, C.**, Reemtsma, K.

PANCREATIC ISLET TRANSPLANTATION SERIES: VOL III: IMMUNOISOLATION OF PANCREATIC ISLETS, R. Landes, Austin, 1994;pp. 59-79.

18. Localization of Endocrine Tumors. **Weber, C.** (Guest Reviewer).

Current Surgery 1994; 51:167-169.

19. Breast Cysts: New theories about a common disorder. **Weber, C.** Peptide therapy: index and reviews 1994;6:10-11

20.Surgery of the Adrenal Gland. In P. Morris and W. Wood (Eds),
OXFORD TEXTBOOK OF SURGERY, Oxford University Press, Oxford, England,
1999.

21. Evaluation of Graft-Host Response for Various Tissue Sources and Animal Models.

Weber CJ, Safley SA, Hagler MK, and Kapp JA. In D. Hunkeler (Ed.), BIOARTIFICIAL ORGANS--II, New York Academy of Medicine, 1999; 875:233-254.

22. Long-Term Survival of Poly-L-Lysine-Alginate Microencapsulated Islet Xenografts in Spontaneously Diabetic NOD Mice.

Weber CJ, Kapp JA, Hagler MK, Safley SA, Chryssochoos JT, Chaikof EL.

In R. Lanza, W. Chick, and W. Kuhlreiber (Eds). ENCAPSULATION AND IMMOBILIZATION TECHNIQUES, Springer-Verlag, New York, 1999; 117-137.

23. Microencapsulation Methods: Alginate-Poly-L-Lysine.
Chaikof, E., Safley, S., and **Weber, C.**, In A. Atala, R. Lanza, (Eds). IN METHODS OF TISSUE ENGINEERING, San Diego, 2000; 803-807.
24. Anterior Neck .
Weber, Collin J. and McGarity, William C. In Anatomic Basis of Tumor Surgery. William C. Wood and John E. Skandalakis (Eds). Quality Medical Publishing, Inc., St. Missouri, 1999; 59-103.
25. Position Statement on the diagnosis and management of primary hyperparathyroidism:
Kukora, J. S., Zeiger, M., Clark, O., Grant, C., Hodgson, S., Irvin III, G., Kleenekoper, M., Pasieka, J., Shaha, A. Thompson, G., van Heerden, J., **Weber, C.**
ENDOCRINE PRACTICE, Vol. 11, No. 1, Jan/Feb 2005; 50-54.
26. Chapter contribution "Surgery in Patients with Secondary and Tertiary Hyperparathyroidism".
Weber CJ, Milas M, Sharma J.
In CLINICAL REVIEWS IN BONE AND MINERAL METABOLISM, Editor-in-Chief: Angelo Licata Vol. 3, #1, Spring 2005; 1534-8644.
27. Chapter contribution "Surgical management of hyperparathyroidism in renal failure".
Sharma J, **Weber CJ**.
In CLINICAL REVIEWS IN BONE AND MINERAL METABOLISM, Human Press, Inc. Vol 5, #2/ October 2007, 103-107. ISSN: 1534-8644 (print) 1559-0119 (online) 73-128.

Letters to the Editor and Case Reports:

1. Blood glucose and proteinuria.
Silva, F., **Weber, C.**, Pirani, C., Hardy, M. and Reemtsma, K.
New England Journal of Medicine 1979;301:160.
2. Pancreatic and peri-islet fat.
Weber, C., Greenwood, M. and Reemtsma, K.
New England Journal of Medicine 1980;302:695.
3. Giant pseudopolyposis and antegrade colonic obstruction: A case report.
Forde, K., Gold, R. and **Weber, C.**
Diseases of the Colon and Rectum 1980;23:583-586.
4. Autologous parathyroid transplantation.
White, J., LoGerfo, P., Feind, C. and **Weber, C.**
Lancet 1983;2(8347):461.
- 5.* Emphysematous cholecystitis: A case report.
Ruby, S., Gladstone, A., Treat, M. and **Weber, C.**
Journal of the American Medical Association 1983;249:248-250.
- 6.* Hypercalcemia and hypercalciuria in a critically ill patient.
Weissman, C., Askanazi, J., Hyman, A. and **Weber, C.**

Critical Care Medicine 1983;11:576-578.

7.* Localized ischemic colitis in a young adult diabetic.
Spotnitz, W., Van Natta, F., Bashist, B., Wolff, M., Green, P. and **Weber, C.**
Diseases of the Colon and Rectum 1984;27:481-484.

8. Stereotaxic implantation of autologous adrenal medulla into caudate nucleus in Parkinson's Disease: One year follow-up in four patients.
Fazzini, E., Dwork, A., Blum, C., Burke, R., Cote, L., Goodman, R., Jacobs, T., Naini, A., Pezzoli, G., Pullman, S., Solomon, R., Truong, D., **Weber, C.** and Fahn, S.
Archives of Neurology 1991;48:813-820.

Published Abstracts:

Serum blocking factors in cancer. Suci-Foca, N., Buda, J., Reemtsma, K., LoGerfo, P., Moulton, A., **Weber, C.**, Wheeler, B. *Clinical Res* 21:590, 1973.

Effect of pancreas transplantation on urine components in streptozotocin-diabetic rats. Weil, R., Nozawa, M., Koss, M., **Weber, C.**, Reemtsma, K., McIntosh, R.
Abstracts of the Fifth International Congress of the Transplantation Society, Jerusalem 1974.

Effects of islet transplantation on growth and glucose homeostasis in diabetic rats.
Weber, C., Greenwood, M., Zatriqi, A., Hardy, M., Lerner, R., Reemtsma, K.
Diabetes 24 (Suppl 2): 419, 1975.

The mechanism of action of secretin on pancreatic islets.
Weber, C., Lerner, R., Hardy, M., Reemtsma, K.
Abstracts of the Ninth Annual Meeting, Association for Academic Surgery, Minneapolis, November, 1975.

Pancreatic islet transplantation: Long-term studies of glucose homeostasis, insulin, glucagon and fat cell metabolism. **Weber, C.**
Prize Essay, Resident Competition, The New York Diabetes Association, June 1975.

Pancreatic islet isografts, allografts and xenografts: Morphologic and functional studies.
Weber, C., Zatriqi, A., Weil, R., McIntosh, R., Hardy, M., Reemtsma, K.
Abstracts of the First Meeting of the American Society of Transplant Surgeons, Chicago, May, 1975.

Effect of diabetes and islet transplantation on parathyroid function in rats.
Weber, C., Hardy, M., Reemtsma, K., Lerner, R., Williams, G.
Clinical Res 24:372A, 1976.

Long-term effects of pancreatic islet transplantation on carbohydrate, mineral and fat metabolism in diabetic rats.
Weber, C., Lerner, R., Felig, P., Williams, G., Greenwood, M., Hardy, M., Reemtsma, K.
Eur Surg Res 8:(Suppl 1):83, 1976.

Feasibility and potential efficacy of pancreatic islet transplantation in man. **Weber, C.** Prize Essay, Resident Competition, The New York Diabetes Association, June 1976. **Weber, C.**, Hardy, M., Lerner, R., Reemtsma, K.

Tissue culture preservation and isolation of human cadaveric pancreatic islets. Abstracts of the Second Meeting of the American Society of Transplant Surgeons, Chicago, May, 1976.

Long-term effects of pancreatic islet transplantation on carbohydrate, mineral and fat metabolism in diabetic rats. **Weber, C.**, Lerner, R., Felig, P., Williams, G., Greenwood, M., Hardy, M., Lerner, R., Reemtsma, K. *Diabetes* 25 (Suppl 1):389, 1976.

Tissue culture as a means of isolation and preservation of human cadaveric pancreatic islets. **Weber, C.**, Hardy, M., Lerner, R., Reemtsma, K. *Diabetologia* 12:426, 1976.

Effect of secretin on transplanted pancreatic islets. **Weber, C.**, Hardy, M., Reemtsma, K., Lerner, R. *Diabetologia* 12:426, 1976.

Functional preservation of pancreatic islets and parathyroids for transplantation. **Weber, C.**, Hardy, M., Derenoncourt, F., Feind, C., Reemtsma, K. *Eur Surg Res* 9(Suppl 1): 75, 1977.

B-Adrenergic control of cyclic AMP secretion in cultured human parathyroid adenomas. Derenoncourt, F., Bilezikian, J., Feind, C., **Weber, C.**, Hardy, M., Reemtsma, K. *Clin Res* 25:389A, 1977.

Cultured human parathyroid tissue: Functional and morphologic studies. **Weber, C.**, Feind, C., Hardy, M., Sollinger, H., Hargis, G., Williams, G., Reemtsma, K. *Clin Res* 25:403A, 1977.

Nesidioblastosis and adenoma in an infant pancreas: In vitro physiologic, morphologic and immunohistologic studies. **Weber, C.**, Feind, C., Hardy, M., Sollinger, H., Hargis, G., Williams, G., Reemtsma, K. *Clin Res* 25:403A, 1977.

The effect of islet transplantation on the renal lesions and proteinuria of streptozotocin-diabetic Lewis rats. Silva, F., **Weber, C.**, Pirani, C., Hardy, M., Reemtsma, K. Abstracts of the International Academy of Pathology. *Lab Invest* 38:366, 1978.

Effect of islet transplantation on renal function and morphology of short and long-term diabetic rats. **Weber, C.**, Silva, F., Hardy, M., Pirani, C., Reemtsma, K. Abstracts of the Third Meeting of the American Society of Transplant Surgeons, Chicago, June, 1977.

Tissue culture preservation and intra-muscular transplantation of pancreatic islets. **Weber, C.**, Hardy, M., Pi-Sunyer, F., Reemtsma, K. Abstracts of the Meeting of the Society of University Surgeons, Louisville, February, 1978. Long-term functional integrity of intraperitoneal (i.p.) islet-transplanted (TR) pancreatic islets. Vermitsky, K., Pi-Sunyer, F., **Weber, C.**, Hardy, M., Reemtsma, K.

Diabetes 27 (Suppl 2):510, 1978.

Effects of islet transplantation on glomerular basement membrane (GBM) thickness and proteinuria in diabetic Lewis rats.

Silva, F., **Weber, C.**, Pirani, C., Hardy, M., Reemtsma, K.

Diabetes 28:426, 1979.

Fatty liver, Ito cell hyperplasia and early cirrhosis in islet-transplanted streptozotocin-(SZN)-diabetic rats. Lefkowitz, J., **Weber, C.**, Reemtsma, K.

Abstracts of the Meeting of the American Association for the Study of Liver Disease, New York, May 1981. *Gastroenterology* 80:1339, 1981.

Tissue culture isolation of neonatal rabbit islets.

Kazim, M., **Weber, C.**, Pi-Sunyer, F., Reemtsma, K.

Diabetes 31(Suppl 2):171A, 1982.

Effects of streptozotocin-diabetes and islet iso-transplantation of rat skeletal muscle. Lefkowitz, J., **Weber, C.**, Hays, A., Reemtsma, K.

Diabetes 31(Suppl 2):91A, 1982.

Treatment of diabetes in mice with topical application of insulin to the skin.

Kazim, M., **Weber, C.**, Strausberg, L., LaForet, G., Nicholson, J., Reemtsma, K.

Diabetes 33(Suppl 1):181A, 1984.

Somatostatin, pancreatic polypeptide and gastrin-like immunoreactivity in abnormal human parathyroid cultures.

Weber, C., Richardson, S., Modlin, I., Fabri, P., DiBella, F., Hegre, O., LoGerfo, . Reemtsma, K., Feind, C.

In D. Cohn, T. Fufita, J. Potts Jr., R. Talmage (Eds).

Endocrine Control of Bone and Calcium Metabolism, Vol. 8A, Excerpta Medical, Amsterdam, 1984.

Prevention of multiple low-dose streptozotocin (MLD-SZN) diabetes in mice by whole-body ultraviolet irradiation (UV).

Weber, C., LaForet, G., Reemtsma, K. *Diabetes* 34 (Suppl 1):176A, 1985.

Stereotaxic Implantation of Autologous Adrenal Medulla into Caudate Nucleus in Parkinson's Disease.

Fazzini, E., Burke, R., Cote, L., Goodman, R., Naini, A., Pezzoli, G., Pullman, S., Solomon, R., Stern, Y., **Weber, C.**, Fahn, S. *Neurology*, 1989.

Glioblastoma following stereotaxic implantation of autologous adrenal medulla for young-onset familial parkinsonism: an autopsy case.

Dembitzer, F., Fazzini, E., Burke, R., Goodman, R., Solomon, R., **Weber, C.**, Fahn, S. and Dwork, A. J. *Neuropath and Exp. Neurology*, 1990.

Surgical validation of TC-99M sestamibi and I-¹²³ subtraction scintigraphy for preoperative localization of ectopic hyper functioning parathyroid tissue.

Thakore, K., Thule, P., Philips, W., McGarity, W., **Weber, C.**, Vansant, J.
Presented, Soc. Nuc. Med., 1993.

Functional studies of adult rabbit islet xenografts in spontaneously diabetic NOD mice. **Weber, C.**, Hagler, M., Chryssochoos, J., Kapp, J. Submitted for Publication, XVI – International Xenotransplantation Congress, 1996.

Intraoperative localization of spect detected parathyroid adenomas and assessment of completeness of tumor excision using a hand-held radiation detector probe. Bedigian, M., **Weber, C.**, Vansant, N., Alazraki, N.
The Journal of Nuclear Medicine 1995.

Poly-l-lysine (PLL) concentration alters the permeability of poly-l-lysine alginate microcapsules. Chryssochoos, J., Chaikof, E., Hagler, M., **Weber, C.** Submitted for Publication, Fifth Worth Biomaterials Congress, 1996.

Histopathology and Immunohistochemical correlation with scintigraphic detection of abnormal parathyroid glands in patients with hyperparathyroidism. Vansant, J., Alper, E., Days, S., **Weber, C.**, Cohen, C. Submitted for Publication, The society of Nuclear Medicine 3rd Annual Meeting, 1996.

Retrospective analysis of sequential changes in serum intact parathyroid hormone levels during conventional parathyroid exploration.

Weber, C., Ritchie, J.

Presented to the American Association of Endocrine Surgeons, May 1999;

Coincidence of Thyroid and Parathyroid Pathology.

Abstract published in The Endocrine Society, Endo 2000, p. 593. **Weber, C.**

Interleukin-6 (IL-6) Production by Human Parathyroids. Abstract published in The Endocrine Society, Endo 2000, p. 304. **Weber, C.**

Weber CJ, Safley SA, Villinger F, Cohen C, Jackson EH, Dirksen LB, Kapp JA. CTLA4-Ig GK1.5, Microencapsulation Prolong Pig Islet Xenograft Survival Synergistically. Abstract presented at International Congress of the Transplantation Society 2000, Rome, Italy.

Milas M, Alghoul M, Berber E Stephen A, Mensah A, Siperstein A, **Weber, C.** Impact of Office Neck Ultrasonography on Reducing Unnecessary Thyroid Surgery in Patients Undergoing Parathyroidectomy. Presented at the American thyroid Assoc in Vancouver, BC, Canada, October 2004.

Safley SA, Kapp JA, Hering B, Larsen C, Pearson T, **Weber CJ.**

CTLA4-Ig and MRI Synergize with Microencapsulation to Prolong Survival of Adult Porcine Islet Xenografts in Diabetic NOD Mice.

Abstract presented at Immunology 2000, Seattle, Washington.

Safley SA, Kapp JA, Hering B, Jackson L, Faulcon J, Dirksen L, Brooks A, **Weber, CJ.** Adoptive Transfer of Cells from NOD Mice Rejecting Microencapsulated Porcine Islets

Medicate Destruction of Functioning Encapsulated Porcine Islets in SZN- diabetic NOD-Scid Mice. Abstract presented at 11th International Congress of Immunology, 2001.

Rapid Destruction of Intraperitoneal (IP) Microencapsulated (MC) Pig Islets by Streptozotocin (SZN) Diabetic Monkeys.

Safley, S., Kapp, J., Villinger F., Brooks, A., Dirksen L., Orkin, J., and Hering B. and **C. Weber**. Transplantation Proceedings, 1999 .

CTLA-4Ig, GK 1.5, & Microencapsulation Synergize to Prolong Pig Islet Xenograft Survival.

Safley, J., Kapp, J., Hering, Jackson, E., Faulcon, L., Dirksen, L., Brooks, A., **Weber, C.** FASEB Journal. 14(6) April 20, 2000. A-1070.

Microencapsulation Methods: Alginate-Poly-L-Lysine.

Chaikof, E., Safley, S., and **Weber, C.**, In A. Atala, R. Lanza, (Eds). IN METHODS OF TISSUE ENGINEERING, San Diego, 2000.

Fischer, AH., Taysavang P., **Weber, CJ.**, and Wilson, KL.

Safley SA, Kapp JA, Hering B, Jackson L, Faulcon J, Dirksen L, Brooks A.

Adoptive Transfer of Cells from NOD Mice Rejecting Microencapsulated Porcine Islets
Medicate Destruction of Functioning Encapsulated Porcine Islets in SZN-diabetic NOD-Scid Mice. Abstract Presented at 11th International Congress of Immunology, 2001, Stockholm, Sweden.

Chaikof EL, Safley SA, **Weber CJ.** Microencapsulation Methods: Alginate-Poly-L-Lysin. *Methods of Tissue Engineering*, October 2001.

Chen EP, **Weber CJ**, Smith DC and Miller JI. Synchronous Presentation of Primary Non-small Cell Lung Carcinoma and Pheochromocytoma, 2001. *The Annals of Thoracic Surgery*, 2002.

Constantinidis I, Long, Jr., R. **Weber C**, Safley S, Sambanis A

Non-Invasive Monitoring of a Bioartificial Pancreas *in Vitro and in Vivo*. *Annals of New York Academy of Sciences*, August 1, 2001.

Safley SA, **Weber CJ**, Villinger F, Cohen C. IL-6 Secretion by Human Parathyroids. *Journal of the American College of Surgeons*, 2003:197:583.

Gonzalez R, Smith CD, McClusky III, DA, Ramaswamy A, Branum GD, Hunter JG, and **Weber CJ.** Laparoscopic approach reduces likelihood of perioperative complications in patients undergoing adrenalectomy. Abstract presented at Southeastern Surgical Congress 2004 Meeting, Atlanta, GA. Feb 2004.

Esteves F, Mansour K, **Weber CJ.** A retrospective Analysis of Radiographic Findings.

Presented at the American Society of Neuroradiology Annual Meeting May 21, 2005, Toronto, Canada.

Safley S, Burden C, Cui H, Wani E, Hering B, **Weber CJ.** Passive transfer of

peritoneal CD4+T cells, but not Cd8+ T cells, from NOD mice rejecting encapsulated porcine islets causes rapid destruction of encapsulated porcine islets in NOD-scid mice. *Xenotransplantation* 2005 12(5)388-389.

Safley SA, Kapp L, Tucker-Burden C, Cui H, Wani E, Kapp JA, Hering B, **Weber CJ**. Chronic dual Costimulatory blockade causes long-term survival of encapsulated porcine islet xenografts, but no tolerance in NOD mice. *FASEB Journal* 2005 19(4) A333.

French G, Smith CD, **Weber CJ**. Laparoscopic Left Adrenalectomy for 6cm Virilizing Tumor (06-0064). SAGES 2006 video submitted to *Surgical Endoscopy*.

Safley S, C Tucker-Burden C, Cauffiel S, Holbrook B., Weber C. A clinically relevant microcapsule for islet transplantation. *Amer J Transplant* 2006; 6(s2), 306.

Safley S, Cui H, Tucker-Burden C, Cauffiel S, Cano J, Holbrook E, Cardona K, Larsen C, Weber C. Long-term function of microencapsulated human islets in diabetic mice. *J. Immunol* 2006; 176, S168.

Raggi, P, Weber C, Sharma J. Serum 25-hydroxyvitamin D levels and the Prevalence of Peripheral Arterial Disease: Results from NHANES 2001-04. . *Arteriosclerosis, Thromboses and Vascular Biology*. 2008;28:1179.