

**IRVIN M. MODLIN,
M.D., Ph.D., D.Sc.
F.A.C.S., F.R.C.S. (Eng),
F.R.C.S. (Ed.), F.C.S. (SA),
M.D. (Hon Causa, Gothenberg),
MA (Hon Causa, Yale)
Professor, Department of Surgery
Director, Gastric Surgical Pathobiology Research Group
Yale University School of Medicine**

Business Address

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Yale University School of Medicine
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11 Tulip Tree Lane
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Nationality

U.S. Citizen

Education

Rathgar Preparatory School Dublin, Eire	1953-1954
Moorland School, Leeds, England	1954-1956
Keble School, London, England	1956-1958
South African College, Cape Town, South Africa	1958-1963
Medical School, University of Cape Town	1963-1968

Military Service

Army Medical Corps	1970-1971
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Degrees

M.B., Ch.B. Cum Laude, Cape Town	1968
F.C.S. (South Africa)	1975
F.R.C.S. (Edinburgh)	1975
F.A.C.S.	1986
M.A. (Hon Causa) Yale	1987
Ph.D., Cape Town	1989
M.D. (Hon Causa) Goteborg, Sweden	1991
F.R.C.S. (England)	1998
D.S.c (South Africa)	2005

Licenses

California License	A-33147	1978
New York License	NY-139113	1980
Connecticut License	025885	1984

Non-Academic Awards:

"Grand Global Award" for craftsmanship - *A History of Gastroenterology at the Millennium*

2001

Academic Awards:Undergraduate

University of Cape Town Entrance Scholarship	1963
University Medal For Physiology	1964
University Medal For Medicine	1966
University Medal For Chemical Pathology	1966
South African Society of Anaesthetists Medal	1967
Urology Prize	1967
Aaron Behrman Scholarship For The Best Student of The Year	1967
Dowie Dunn Memorial Prize For Paediatrics	1968
University Medal For Surgery	1968
Stabler Prize The Best Graduating Student In Surgery	1968
Medical School, University of Cape Town - Valedictorian	1963-1968

Postgraduate

University Gold Medal-Most Distinguished Graduate In Medicine	1968
The University of Cape Town Post-graduate Scholarship In Medicine	1968
Degree Cum Laude and With Distinction In The Final Professional Examination	1968
F.R.C.S. (Edinburgh) G.B. Ong Gold Medal - Most Distinguished Candidate	1975
F.C.S. (South Africa) Gold Medal - Most Distinguished Candidate	1975
South African Medical Research Council Overseas Scholarship	1976
Cecil J. Adams Overseas Travelling Scholarship (declined)	
Wellcome Foundation Travelling Scholarship to Lausanne	1977
Wellcome Foundation Travelling Scholarship to London	1978
Yale - E. Storer Teaching Award	1985
Brigham Hospital - Harvard Medical School Eisenberg Memorial Lecture	1988
Fulbright Scholarship	1989
South African Gastroenterology Society - Travelling Professor	1989
Yale - Surgical Resident, Teaching Award	1992
British Society of Gastroenterology - State-of-the-Art Lecturer	1993
I. N. Marks Memorial Lecture. South African Gastroenterology Society	1994
Polya Memorial Lecture.Semmelweis University	1994
Royal College of Surgeons-England-Arris and Gale Lecturer	1995
Theodor Kocher Memorial Lecture.Swiss Surgical Society	1996
President Connecticut Society of Surgeons	1996
Japanese Society of Gastrointestinal Surgery - State-of-the-Art Lecturer	1997
Fulton Society Lecture	1997
Prout Society Lecture	1997
Royal College of Surgeons of England, Hunterian Professorship	1998
The Beaumont Lecture	1999
John Callum Memorial Oration	1999
Keynote address: Minimally Invasive Endoscopic Society, Heidelberg, Germany	2000
Visiting Professor St. Louis University	2000
Gastric Carcinoid Molecular Biology, Nordic Endocrine Society Meeting, Iceland	2001
Controversies, Problems, and Techniques in Surgery Symposium	2001
Invited Speaker International Pancreatic Meeting, Heidelberg	2001
Keynote address Indian Hepatobiliary Society	2002
James the IV Oration, Edinburgh	2002
External Surgical Assessor, University of Oman	2002
Yale Chief Resident Surgical Teaching Award	2003
Perr Dubb Oration, Gotheborg	2003
Miculicz-Radecki Memorial Lecture, Wroslaw	2006

Examining Boards

Examiner, Royal College of Surgeons, Edinburgh	1985-2003
Examiner University of Oman, Dept Surgery	2002-to date

Membership In Professional Societies

Royal College of Surgeons of Edinburgh	1975
South African College of Surgeons	1975
Association of Academic Surgeons	1978
American Gastroenterology Association	1978
Society of University Surgeons	1980
Royal Society of Medicine of England	1980
New York Academy of Sciences	1980
American Federation for Clinical Research (Eastern Section)	1980
The American Society for Endocrine Surgeons	1980
Society for Surgery of the Alimentary Tract	1980
Endocrine Society	1980
International Association of Endocrine Surgeons	1980
International Society of Surgery	1980
Collegium Internationale Chirurgicae Digestive	1980
American Association for the Advancement of Science	1980
Society for Experimental Biology and Medicine	1980
New York Gastroenterology Society	1981
American Society for Gastrointestinal Endoscopy	1981
Gastrointestinal Research Group	1983
American Physiological Society	1984
Connecticut Society of American Board Surgeons	1984
V.A. Surgical Association	1984
Timothy Dwight College - Yale	1984
Eastern Gut Club	1985
Society of American Gastrointestinal Endocrine Surgeons	1985
Sigma Xi, Scientific Research Society	1986
Beaumont Club	1986
American College of Surgeons	1986
International Gastro-Surgical Club	1987
Athenaeum Club, London	1992
Prout Club, London	1994
Royal College of Surgeons of England	1998

Responsibilities in Professional Societies**Administration**

Chairman, Surgical Section of the Advisory Board, International Gastro-Surgical Club	1990
President Connecticut Society of American Board Surgeons	1991
Secretary, Beaumont Club	1993

Publication

Program Committee, Association for Academic Surgery	1980-1983
Program Committee, Society of University Surgeons	1980-1983
Organizing Committee, Surgical Gut Hormone Society	1981-1989
Publication Committee, Association of VA Surgeons	1985-1989
Program Chairman, Connecticut Board of Surgeons	1988-1990

Editorial Boards

Editorial Board, Journal of Regulatory Peptides	1982-
Editorial Board, Journal of Clinical Gastroenterology	1984-
U.S. Editor, Surgical Research Communications	1985-
Associate Editor, Hepato-Gastroenterology	1991-
Co-Editor, Frontiers of Gastrointestinal Research	1993-
Editor, Current Opinion in General Surgery	1993-
Editorial Board, Digestive Surgery	1995-
Editorial Board, Digestion	1995-
Editorial Board, Journal of Medical Biography	1996-

Appointments**Current**

Professor of Surgery Department of Surgery

	Yale University School of Medicine	
	Director, Yale Regional Residency Program	1988-1992
	Director, G.I. Surgical Pathobiology Research Unit	1984-
	Director, G.I. Endoscopic Surgery	1988-
	Medical School Admission Committee	1990-1994
	Medical School Student Thesis Committee	1992-
<u>Recent</u>	Professor and Vice Chairman	1987-1991
	Yale University School of Medicine, Department of Surgery	
	Associate Professor and Vice Chairman,	1984-1989
	Yale University School of Medicine, Department of Surgery	
	Chairman, Dean's Executive Committee for VA Affairs	1984-1988
	Director, G.I. Surgical Research Group	1984-
	Director, Surgical Endoscopy Division	1984-
	Chief of Surgery, Veterans Administration	1984-1988
	Medical Center, West Haven, Connecticut	
<u>Previous</u>	Assistant Professor, Downstate Medical Center, Brooklyn, New York	1979-1983
	Assistant Professor of Surgery, UCLA	1977-1979
	Visiting Scientist UCLA, Center for Ulcer Research and Education (CURE)	
<u>Research Review</u>	Member, President's Advisory Committee on Research Allocation - SUNY	1980-1983
	Dean's Committee, Yale-West Haven VA Medical Center	1983-1989
	Yale Funds and Fellowship Committee	1985-1989
	Yale Comprehensive Cancer Center Scholarship Committee	1990-present
<u>Education</u>	Coordinator of Postgraduate Surgical Education Seminars	1981-1983
	Associate Director, G.I. Peptide Physiology Research Laboratories	1980-1983
	American Gastroenterology Association: Education and Training Committee	1985-1989
<u>Clinical Experience</u>	Internship, Groote Schuur Hospital Cape Town	1969
	Military Hospital, Pretoria	1970
	Senior House Officer, Accident Unit,	1971
	St. James Hospital, Balham, London	
	Registrar, Trauma Unit, Groote Schuur Hospital	1971
	Surgical Residency, Groote Schuur Hospital	1972-1975
	Chief Surgical Officer, Hammersmith Hospital;	1975-1977
	Senior Surgical Registrar to Professor R.B. Welbourn	
	and Mr. J.Spencer, Hammersmith Hospital	
	Professor Grossman and Professor J.H.Walsh, Visiting Scientist,	1977-1979
	Center for Ulcer Research and Education (CURE)	
	and Assistant Professor of Surgery, UCLA	
	Assistant Professor, Surgery, Department of Surgery,	1979-1983
	Downstate Medical Center, New York	
	Associate Professor and Vice Chairman of Surgery-Yale University	1984-1987
	Chief of Surgery, VA Medical Center, West Haven, Connecticut	
	Professor and Vice Chairman of Surgery-Yale University	1987-1991
	School of Medicine, New Haven, Connecticut	
	Professor of Surgery, Director Gastrointestinal Endoscopic Surgery	1991-present
	And Gastrointestinal Pathobiology Research Laboratory	
	Yale University School of Medicine,	
	New Haven, Connecticut	

RESEARCH ACTIVITIES

a) Scientific Research

Current research responsibility is as Director of the Gastric Pathobiology Research Group. This is a twenty to twenty-five member group variously studying pancreatic, gastric, colonic endocrine and

biochemical phenomena in the gastrointestinal system. Persons involved are surgeons, Ph.D.'s, surgical residents, technicians and visiting scientists from different countries and institutions. The overall specific research areas are in brief as follows:

Pancreatitis:

Isolated pancreatic acini are utilized to provide a model for the study of intracellular zymogen activation. The methodology utilizes western blot techniques to identify active fragments. Immunogold electron microscopy is used to identify colocalization of enzymes in subcellular compartments.

Pepsinogen Secretion:

Isolated peptic cells are generated using elutriation centrifugation and nicodenz gradient systems. The mechanisms of exocytosis are studied with particular reference to identification of small GTP binding protein families and intracellular calcium flux. Characterization of CCK and gastrin type receptors is undertaken using peptide fragments and antagonists.

Parietal Cells:

Isolated parietal cells are studied with a view to identification of the subcellular mechanisms of secretion. This involves structural studies using confocal microscopy and biochemical cross-referencing using two dimensional gel separation of phosphorylated proteins. Specific identification of EGF and TGF α subcellular localization is the current primary goal.

Mastomys ECL Cells:

The histogenesis of the ECLoma tumor has been studied using cell culture and nude mice transfer. Western and northern blotting are used to demonstrate oncogene amplification. Secretion of tumor peptides and amines is assessed by HPLC and RIA methodology.

Colonic Physiology:

Isolated mucous membrane in Ussing chambers or isolated colon segments on a perfusion system are used to study the neuroendocrine regulation of colonic electrolyte and water flux. Specific receptor antagonists and pharmacotherapeutic probes are utilized to delineate the regulatory pathways.

Enterocyte Migration:

The question of gut wound healing is studied using migration and mitogenesis assays. Specific areas of interest reflect the expression of integrin receptors and the interaction with different matrix substructures. (laminin, collagen IV)

Intracellular pH Regulation:

The control of pH by specific related ion pumps is evaluated using isolated perfused gastric glands. This methodology involves fluorescent spectrophotometry and video enhanced isolated cell imagery. Calibration curves using Nigericin and cell loading with BCECF are components of the system.

b) Collaborative Research Projects

ECL Cell Histogenesis - Drs. Hakan Ahlman, Ola Nilsson, Annica Dahlstrom
Goteborg, Sweden

Neuroendocrine Regulation of Colonic Mucosal Function - Dr. Torgny Svenberg
Karolinska, Stockholm, Sweden

Cell Lineage Evolution in the Stomach - Prof. Nicholas Wright
British Imperial Cancer Research Institute and Royal Postgraduate Hospital Medical
School, Hammersmith Hospital, London, England

Characterization of Gastrin and Somatostatin receptors on ECL Cells
Dr. Jean-Claude Reubi, Berne, Switzerland

Expression and Regulation of TGF α Secretion - Prof. Robert Coffey
Vanderbilt University, Tennessee, U.S.A.

Identification of H₃ Receptors on Gut Neuroendocrine Cells - Prof. J.C. Schwartz
Inserm, Paris.

Apoptosis in Carcinoid Tumors - Dr. Steven Moss
Brown University, Rhode Island, U.S.A.

GATA proteins in Carcinoids - Dr. Rod Dimaline
University of Liverpool, Liverpool, U.K.

Biochemistry of Parietal Cell Function - Dr. Catherine Chew
Morehouse University, Atlanta, Georgia, U.S.A.

Helicobacter pylori Lipopolysaccharide - Dr. Marty Blaser
Vanderbilt University, Tennessee, U.S.A.

Helicobacter pylori and ulceration - Dr. James Fox
MIT, Boston

c) Clinical Investigation

1. Minimal invasive surgery
2. Carcinoid tumors
3. Pancreatitis and neuroendocrine tumors of the pancreas
4. Peptic ulcer disease

d) History of Medicine

- * History of Gastric Acid - From Prout to the Proton Pump
- * History of Pepsinogen Discovery - A Short Digest of Pepsin - The Role of Langley and Schwann
- * The Development of Therapeutic Vagotomy - Pavlov, Dragstedt and Colleagues
- * The Relationship of Cushing and Kocher - The Beginnings of Neurosurgery
- * Ruggiero Oddi - The Paradox of the Sphincter and the Man
- * Reginald Fitz - The First Observations of Pancreatitis
- * Pavlov's first visit to the USA
- * Dragstedt - The First American Scientist Surgeon
- * L'acide: The French Connection - Beaumont to Latarjet
- * The Surgical Legacy of Arris and Gale

RESEARCH FUNDING

Investigator	Grant Title	Agency	Amount	Dates
I.M. Modlin	Secretagogue Regulation of Protein Phosphorylation in Parietal Cells	NIH	\$418,057	5/89-4/93 Complete
J.R. Goldenring (IMM Co-Invest.)	Cyclic AMP-Dependent Mediation of Parietal Cell Function	NIH	\$371,912	4/91-3/96 Complete
I.M. Modlin	Pathophysiology of an Endocrine Tumor - A Peptic Ulcer Model	VA	\$490,000	10/88-9/96 Complete
G. Ballantyne (IMM Co-Invest.)	Release of Peptide Tyrosine and Enteroglucagon from the colon	VA	\$141,415	12/89-12/92 Complete
M. Basson (IMM Co-Invest.)	Growth Factor - Matrix Interaction in the Regulation of Enterocyte Migration	Yale Univ.	\$7,000	12/90-11/91 Complete
L. Tang (IMM Co-Invest.)	Characterization of a Tubulovesicle-Associated 23 kDa GTP-Binding Protein from Rabbit Parietal Cell	Yale Univ.	\$9,000	12/90-11/91 Complete
M. Basson (IMM Co-Invest.)	Control mechanisms for mammalian pepsinogen secretion	NIH	\$35,300	7/91-6/92 Complete
R. Powers (IMM Co-Invest.)	Altered acinar cell function during acute pancreatitis	NIH	\$186,032	8/88-7/93 Complete
I.M. Modlin	Research Training in Surgical Gastroenterology	NIH	\$705,190	7/91-6/96 Complete
F. Gorelick (IMM Co-Invest.)	Intracellular Activation of Pancreatic Zymogens	NIH	\$838,846	7/91-6/96 Complete
C. Soroka (IMM Co-invest.)	The cultured parietal cell: a model for membrane-cytoskeletal interactions	VA	\$288,900	4/92-3/95 Complete
S. Waisbren (IMM Co-Invest.)	Intracellular pH regulation in perfused gastric glands	NIH	\$29,500	7/91-6/92 Complete
I.M. Modlin	Pathophysiology of an Endocrine Tumor – Gastric ECLoma Model	VA	\$450,000	9/96-8/00 Complete
J. Murren (IMM Co-Invest)	Isotopic Therapy of SST expressing Neuroendocrine Tumors	NCI	\$275,000	2/01-3/03 Complete
I.M. Modlin	Molecular Strategies for Gastric Carcinoid Surgery	NIH	\$450,000	8/04-7/06 Complete
I.M. Modlin	Determination of the naïve human EC cell transcriptome and identification of neoplastic genes in a novel small intestinal carcinoid cell line	Yale Univ.	\$10,000	1/06-12/06
I.M. Modlin	Molecular strategies to preemptively define gastrointestinal carcinoid surgery	NIH	\$710,000	9/06-8/10

RESEARCH FELLOWS AND POSTDOCTORAL CANDIDATES

1.	Gary Fratesi	1984	Southwestern Univ., Phillipines
2.	Misha Tyshkov	1984	Sverdlovsk Medical School, Moscow
3.	Margaret Oddsdottir	1985	University of Iceland Medical School
4.	Jonathen Lewis	1985	University of Witswatersrand, RSA
5.	Harold Schaefer	1985	Columbia University
6.	Anton Bilchik	1986	University of Witswatersrand
7.	Paula Rackoff	1986	Yale University
8.	James Goldenring	1987	Yale University
9.	Marc Basson	1987	Yale University
10.	Andrea Ferrara	1988	S.U.N.Y.
11.	Walter Longo	1989	New York Medical College
12.	Paul Savoca	1989	Downstate Medical College, New York
13.	Ola Nilsson	1989	University of Goteborg, Sweden
14.	Steven Leach	1989	Emory University
15.	David Armstrong	1989	University of Edinburgh
16.	Steven Waisbren	1989	University of Minnesota
17.	Frank Fleming	1989	University of Texas
18.	Barry Pernikoff	1989	Hershey College of Medicine
19.	Laura Tang	1990	Emory University
20.	Carol Soroka	1990	S.U.N.Y.
21.	Masato Funasaka	1990	Kobe University, Japan
22.	Yasuhiro Tsunoda	1990	Hakkaido University, Japan
23.	Scott Flynt	1990	University of Florida
24.	Heidi Krentz	1990	Rutgers University
25.	Ravin Kumar	1990	Univ. of Peradeniya, Sri Lanka
26.	Steven Rush	1991	University of Texas
27.	S. Aubrey Stoch	1991	University of Cape Town, South Africa
28.	Robert Carangelo	1991	University of Conn. School of Medicine
29.	Gary N. Mann	1992	University of the Witwatersrand, S.Africa
30.	Jackie Quinn	1992	University of California
31.	Forest Hume	1992	University of Louisville
32.	Susan Sgambati	1993	Medical College of New York
33.	Carina Biggs	1993	University of Florida, Gainesville
34.	Gary Lawton	1993	University of Mass. Medical School
35.	Dennis Begos	1993	Medical College of New York

RESEARCH FELLOWS AND POSTDOCTORAL CANDIDATES (cont.)

36.	Kun Miu	1993	University of Shanghai
37.	Mark Kidd	1994	University of Cape Town
38.	Andras Sandor	1994	University of Budapest
39.	Christopher Gilligan	1994	Yale University

40. Eileen Luque	1994	SUNY, Syracuse
41. Tahira Mahmoud	1995	University of United Arab Emirates
42. Jason Efstathiou	1995	Yale University
43. James Borin	1995	Yale University
44. Kerem H. Bortecen	1995	Istanbul University
45. Stefan Schmid	1996	Inselspital, Bern
46. Tong Zhang	1997	University of Beijing
47. Klaus Radebold	1997	University of Mainz, Germany
48. Jorge Laueffer	1997	University of Berne, Switzerland
49. Masaharu Odho	1997	Kirumei Univ, Fukoyoku
50. Yoshi Sakawa	1998	Keio University, Tokyo
51. Toshi Osashi	1998	Osaka University
52. Jian Fahardi	1999	University of Bern
53. Kevin Lye	2002	Yale University
54. Michael Shapiro	2004	Yale University
55. Rahul Pannala	2004	Yale University
56. Michelle Zikusoka	2004	Yale University
57. Igor Latich	2004	Yale University
58. Geeta Eick	2005	University of Cape Town
59. Anthony Chan	2006	Manchester University
60. Jan Bornschein	2006	Otto-von-Guericke-Universität Magdeburg
61. Ignat Drozdov	2006	American University
62. Maximillian Malfertheiner	2007	Magdeburg University
63. Dong ManKu	2007	Beijing Military Hospital
64. Zakiya-Luna Siddique	2008	St. Mary's Hospital and UCL
65. Karim El-Tawil	2008	Theodor Bilharz Institute, Cairo

THESIS OPPONENT

1. Christer Dahlstrand, MD, PhD –

The Vagal Nerves and Peptides in the Control of Extrahepatic Biliary Motility, 1990
Goteborg, Sweden

2. Arvind Chaudhry, M.B.B.S. –

Expression of Growth regulatory Factors in Neuroendocrine Tumors of the Digestive System, 1992
Uppsala, Sweden

3. Reiner Fossmark MD, PhD –

Gastric Carcinoid development, 2004.
Trondheim, Sweden

THESIS SUPERVISOR

1. Richard Tierney

"Peptide YY immunoreactivity in colonic polyps and carcinomas: Evidence for the Adenoma-Carcinoma Sequence" 1987, MD

2. Alex Vukasin

"Regulation of Colonic Motility by PYY" 1989, MD

3. Jonathan Lewis
"Signal transduction mechanisms of parietal cell secretory inhibition by Epidermal Growth Factor (EGF), Transforming Growth Factor ($TGF\alpha$) and Pancreastatin" 1990, PhD
4. Anton Bilchik
"Role of cholecystokinin in control of growth and regeneration of the pancreas" 1990, PhD
5. Valerie Asher
"Phosphorylation of type II regulatory subunit in stimulated parietal cells" 1990, MD
6. Marc Basson
"Integrin Receptor - Matrix Interaction" 1992, PhD
7. Steven Waisbren
"Gastric Parietal Cell pH_i Regulation" 1993, PhD
8. S. Aubrey Stoch
" $TGF\alpha$ Modulation of Mucosal Repair" 1993, MD
9. Janice Ogden
"Intracellular Enzyme Activation in Acute Pancreatitis" 1993, PhD
10. Steven Chough
"Calcium Modulation of the Effects of Serotonin, Carbachol, and Histamine on Rabbit Ileal Ion Transport" 1994, MD
11. Christopher Gilligan
"Gastric Carcinoids: From Cell to Survival", 1995, MD
12. Klaus Radebold
"Somatostatin Receptor Expression in Neuroendocrine Tumors" 1996, PhD
13. James Borin
"SSTR2 Expression in Transformed ECL cells"
14. Mark Kidd
"Relationship of *Helicobacter pylori* virulence to gastric pathobiology in the Western Cape" PhD, 2000
15. Michael Shapiro
"CTGF regulation of carcinoid induced fibrosis", 2003
16. Igor Latich
"Molecular Basis of Metastatic detection." 2006
17. Michelle Zikusoka
"Role of MTA1 in the regulation of carcinoid and breast pathobiology." 2006

SELECTED PRESENTATION LIST**2006:**

- Miculicz-Radecki Memorial Lecture, Polish Surgical Society, Wroslaw
- **Biology of the Enterochromaffin cell**, Trondheim University, Norway
- **Somatostatin Radiopeptide Therapy**, American Society of Clinical Oncology, Atlanta Georgia
- **Management of GERD**, Hyderabad , India
- **Evolution of Pancreatic Neuroendocrine Surgery**, Greek Surgical Society, Thessalonica.

2005:

- ACG Annual Meeting: “**Evolution of GI disease management**” Orlando, FL.

2004:

- ACS Annual Meeting: “The Influence of Edinburgh on the founding of American Medical Schools”: American College of Surgeons/Royale College of Surgeons (Edinburgh).
- Univ of London. The Biology of Carcinoid Disease. European Neuroendocrine Tumor Society
- Royal College of Surgeons of England. The Molecular basis of Carcinoid Fibrosis: British Society of Surgical Oncology
- Recife. The current status of GERD management. Brazilian Association of Gastroenterology.
- Orlando. American College of Gastroenterology. Evolution of GI disease management

2003:

- “The Molecular Basis of the ECL cell”: Per Dubb Oration, University of Gothenburg, Sweden
- Current Status of GERD management. German Endoscopic society, Hamburg
- “The Evolution of Esophageal Therapy”: United European Gastroenterology Weekly, Madrid, Spain
- “From the Mucosa to the Serosa”: Digestive Disease Weekly, Orlando
- “From the Macula to the Mucosa” Royal Society of Medicine, London
- Evolution of Pancreatic Therapy” Dartmouth Grand Rounds - Surgery

2002:

- Invited speaker, “Cancer of Esophagus and Gastric Cardia: From Gene to Cure,” Amsterdam, the Netherlands
- Invited speaker, “Perspectives and reflections on integrated digestive surgery,” The Future of Gastro-Entero-Hepato-Pancreatology is Bright, Amsterdam, the Netherlands
- Invited speaker, “Amsterdam and Netherlands Gastroenterology: a historical perspective,” The Future of Gastro-Entero-Hepato-Pancreatology is Bright, Amsterdam, the Netherlands
- Invited speaker, “Stem cells and mucosal dynamics: Regulation, repair and neoplasia,” Japanese Society of Ulcer Research
- Keynote address, Indian Hepatobiliary Society, “Surgery of chronic pancreatitis”
- James IV Oration, Edinburgh, “Molecular strategies and 111In-labeled somatostatin analogs in defining the management of neuroendocrine tumor disease: A new paradigm for surgical management”
- External Surgical Assessor, University of Oman

2001:

- “Gastric Carcinoid Molecular Biology,” Nordic Endocrine Society Meeting, Iceland
- Controversies, Problems, and Techniques in Surgery Symposium
- Invited Speaker International Pancreatic Meeting, Heidelberg “The surgery of chronic pancreatitis—A chronicle of confusion and despair?”

2000:

- Invited Speaker: “From *k-Ras* to Kagoshima,” 100-year Anniversary of the Japanese Surgical Society: Tokyo
- The Eastern Surgical Society: “Beyond Wittgenstein,” New Haven
- International Chronic Pancreatitis Symposium, Bern: “The Evolution of Chronic Pancreatitis”
- International Esophageal Meeting, Paris: “The Molecular and Historic Basis of Barrett’s Esophagus”
- International *Helicobacter pylori* Meeting, Bermuda: “From the Pump to the Helix”

1999:

- The Beaumont Lecture
- John Callum Memorial Oration

1998:

- Royal College of Surgeons of England, Hunterian Professorship
- Invited Speaker: The F. Troncale Memorial Lecture. “GERD”, New Haven
- Invited Speaker: The Dutch Gastro Society: “The Golden Age of Dutch Medicine,” Veldhoven, Holland
- Invited Speaker: British Society of Surgery, “Carcinoid Biology and Surgery,” Belfast.
- Invited Speaker: Brown University, RI: “The Gordian Conundrum”

1996

- Invited Speaker: The Theodor Kocher Memorial Lecture, Bern, Switzerland.
- Invited Speaker. Molecular Biology of Wound Healing. Japanese Gastroenterology Society, Shimoda, Japan.
- Invited Speaker: Strategies of GERD management. Mahidol University, Bangkok, Thailand.
- Invited Speaker. Gastroesophageal Reflux Disease: Back to Surgery? Bern, Switzerland.
- Invited Speaker. Consensus Workshop for Surgical Treatment of Neuroendocrine Gastroenteropancreatic Tumors. Berlin, Germany.
- Invited Speaker. The Malden Hospital Grand Rounds. "Gastrinomas & the Neuroendocrine Gut."
- Invited Speaker. Hartford Hospital Grand Rounds. "Clinical and Therapeutic Utility of Somatostatin."
- Invited Speaker. Medical/Surgical Grand Rounds. North Shore University Medical Center, Manhasset, NY. From Prout to the Proton Pump and The Diagnostic & Therapeutic Relevance of Somatostatin.
- Invited Speaker. Medical/Surgical Grand Rounds. Medical College of Georgia and Eisenhower Army Medical Center, Augusta, GA. Current Concepts in Acid Peptic Disease: From Prout to the Proton Pump and Clinical and Therapeutic Utility of Somatostatin.

1995

- Co-Organizer/Session Chairman. International Meeting. Current Research in Gastrointestinal Disease: The African Perspective. Cape Town, South Africa.
- Yale University, Organizer: Current Perspectives in Acid Inhibitory Therapy, New Haven, CT.
- Invited Speaker. Westchester County Medical Center Grand Rounds. "An Update on the Management of Acid Related Disorders".
- Invited Speaker. Nassau County Medical Center Grand Rounds. "From Prout to the Proton Pump"
- Yale University, Surgical Grand Rounds. "Magister artis ingenique largitor venter" The stomach what . . .?"
- Invited Speaker. Polya Memorial Lecture, Semmelweis University, Budapest, Hungary.
- Invited Speaker. Medical/Surgical Grand Rounds. Brookdale Hospital. Brooklyn, New York.
- Invited Speaker: The Arris and Gale Lecture: The Pathophysiology of the Fundic Enterochromaffin-like (ECL) Cell and Gastric Carcinoid Tumors", Royal College of Surgeons, London, England.
- Invited Speaker. The Cys 813 versus Gastrectomy-Caveat Emptor. Surgical Grand Rounds. New York Hospital-Cornell Medical Center, New York, NY
- Invited Speaker. Somatostatin Receptor Scintigraphs (SRS) in Gastrinoma. Minneapolis, MN
- Session Chairman. International Meeting. Five Years of Laparoscopic Cholecystectomy: A Reappraisal, Bern, Switzerland
- Invited Speaker. International Workshop on New Trends in the management of Pancreatic Disease. The Management of Acute Pancreatitis-Who Are We Kidding?, Messina, Italy
- Invited Speaker. Pancreatic Endocrine Tumors. MetroWest Medical Center. Framingham, MA
- Invited Speaker. The Pathobiology of the ECL Cell. Gastrointestinal Rounds. St. Luke's-Roosevelt Hospital, New York, NY
- Invited Speaker. Of Teleosts and Tumors. Surgical Grand Rounds. St. Luke's-Roosevelt Hospital, New York, NY
- Invited Speaker. Updates in the Treatment of Acid Related Disorders (The Effects of Low Acid States). Milton, NY
- Invited Panelist. Issues in Surgical Endocrinology. Controversies in Surgery Series. Farmington, CT

1994

- Invited Speaker: Surgical Biology Club III - Dr. Lester Dragstedt: From Anaconda to Antrim, Chicago, IL
- Invited Speaker: British Society of Gastroenterology Prout Club Meeting, Edinburgh, Scotland
- Invited Speaker: International Meeting: Pancreatic Diseases: New Horizons - Chronic Pancreatitis: Pre-cancerous disease? Bern, Switzerland
- Invited Speaker: SAGES Congress - Solly Marks lecture: The new gastric creed of the third millennium - Sun City, South Africa
- Invited Speaker: Reunion Annuelle Du GRESZE - Experimental models of ECLomas - Paris, France
- Yale University, History of Surgery Lecture - L'acide: Beaumont to Latarjet
- Invited Speaker: Carcinoid Tumors - International Symposium on Pathology, Epidemiology, Clinical Aspects and Therapy - Munich, Germany

1993

- Invited Speaker: Tissue Repair-Wound Healing Mechanisms, Therapeutic Implications - Tübingen, Germany
- Connecticut Surgery Basic Science Course, New Haven, CT - GI Endocrinology
- Memorial Medical Center, Savannah, GA - From Prout To The Proton Pump
- Invited Speaker: Molecular and Cell Biological Aspects of Gastroenteropancreatic Neuroendocrine Tumor Disease - Berlin, Germany

- Yale University, History of Surgery Lecture - The Dragstedt Centenary: Wandering from Anaconda to the Antrum
- University of Texas Southwestern Medical Center, Dallas, TX - A Tale of Two Cells
- University of Virginia, Charlottesville, VA - Science, Somatostatin and Surgery
- SUNY Health Science Center, Brooklyn, NY - A New Gastric Creed for the 3rd Millennium
- Frontiers in Gastroenterology Series - Low Acid States: Are There Safety Implications
- Chairman, International Satellite Meeting "Low Acid States" - Boston, MA
- Invited State-of-the-Art Speaker - British Society of Gastroenterology: A New Gastric Creed for the Third Millennium
- Visiting Professor: Guy's Hospital - London
- Trinity College- Dublin
- Royal Postgraduate Medical School - London
- University of Glasgow
- University of Dundee
- University of Leeds
- Imperial Cancer Research Institute - London
- Frontiers in Gastroenterology Series - Low Acid States: Are There Long-Term Implications, Dallas, TX
- Invited Speaker: Molecular Mechanisms of Mucosal Healing- Antalya, Turkey
- Loma Linda University School of Medicine, Loma Linda, CA - Pancreatic Disease, Pancreatic Fistulas and Other Gastrointestinal Fistulas
- Frontiers in Gastroenterology Series - The Parthenon of the Pancreas: From Phlegethon to Pandora. Los Angeles, CA
- Westchester Medical Center, Westchester, NY: Science, Surgery and Somatostatin

1992

- Booth Memorial Hospital, New York: G.I. Hormones
- St. Raphael's Hospital, New Haven, CT: The Place of Molecular & Technical Advances in the Future of Surgery
- Sinai Hospital, Baltimore, Maryland: The Relevance of Targetted Pharmacotherapeutic Probes in Gastrointestinal Surgery
- Eilat, Israel: Israel Gastroenterology Association
- Beth Israel Medical Center, Newark, New Jersey: Treatment of Surgical Complications
- Easton Hospital, Pennsylvania: Surgical Applications of Octreotide
- Crozer Chester Medical Center, Pennsylvania: The Therapeutic Role of Octreotide in the Management of Surgical Disorders
- Hanemann University, Pennsylvania: The Therapeutic Role of Octreotide Management of Surgical Disorders
- St. Michael's Medical Center, New Jersey: Clinical and Scientific Applications of Octreotide
- Adaptation and Renewal in Gastroenterology, Interlaken, Switzerland: Adaptation and Renewal of the Gastrointestinal Surgeon to Meet the Continuous Challenge of Modern Gastroenterology
- Royal Club, Evian, France: Current Perspectives in Acute Pancreatitis
- International Gastro-Surgical Club, Padua, Italy: Medical and Surgical Management of Carcinoid Tumors

1991

- St. Barnabas Medical Center, New Jersey: New Modalities in the Treatment of Fistula
- Sir James Black Foundation, England: ECL - Parietal Cell Interactions
- Wayne State University, Detroit, Michigan - From Prout to the Proton Pump: Somatostatin and the Stomach
- London, Hanbury Hall : European Acid Suppression Workshop
- Cedar Sinai Hospital, Los Angeles, Calif.: Management of Peptic Ulcer Disease
- Cooper Hospital, Camden, New Jersey - Science, Surgery and Somatostatin
- Mt. Sinai Hospital, New York City - Surgical Applications of Sandostatin
- Long Island Jewish Medical Center, New York - Uses of Somatostatin in Surgical Patients
- University of California at Irvine, California - Pathobiology and Management of Endocrine Gut Tumors
- St. John's Episcopal Hospital, New York - Current Concepts in the Management of Peptic Ulcer
- Surgical Grand Rounds. Yale University School of Medicine - Cushing: Main Guest at the Divine Banquet of the Brayne

1990

- World Conference on Gastroenterology, Sydney, Australia: Pathophysiology of Acute Pancreatitis
- Pancreatitis Symposium, Marburg, Germany : Subcellular Activation of Pancreatic Enzyme
- London : ECL Cell Symposium
- Berlin, Germany : Experimental Ulcer Conference
- Goteborg, Sweden : Swedish Endocrine Society

- Falk Symposium, Freiburg, Germany - TGF a Secretory Regulation of Parietal Cells
- Surgical Grand Rounds. Yale University - The Semiotics of Sphincter Function
- Medical Grand Rounds. Yale University - Proton Pump Inhibition
- Swedish Surgical Society - Gastric ECLomas
- University of Lund, Sweden, - Oncogene Amplification in Gastric ECLoma Tumors
- University of Goteburg, Sweden - Neurotransmitter Regulation of Sphincter of ODDI Function

1989

- Marion Corporation : Current Status of Acid Inhibition Therapy
- Bristol-Myers Corporation : Evaluation of Gastrointestinal Biological Function
- AB Hassle Corporation : Control of ECL Cell Secretion
- University of Hong Kong : Pathobiology of Acute Pancreatitis
- University of Texas at San Antonio : From Prout to the Proton Pump
- Harvard (Brigham Hospital) Eisenberg Memorial Lecture: Pathophysiology of Gastric Secretion
- Harvard (Deaconess Hospital) 1: Pathophysiology of Somatostatin and its Analogues
- Taormina, Sicily, Italy : Pathophysiology of Bleeding in Portal Hypertension
- Rome, Italy : Surgery of Peptic Ulceration
- Florence, Italy : Mechanisms of ECL Cell Neoplasia
- Umea, Sweden : Pathobiology of the Endocrine Stomach
- Berne, Switzerland : Mechanisms of Intracellular Zymogen Activation
- Cape Town, South Africa : Surgical Management of Pancreatitis
- University of Rome - The ECL Quincunx
- University of Bern, Switzerland - The Cellular Mechanisms of Pancreatitis
- Brown University, Rhode Island - From Prout to the Proton Pump and Beyond
- University of Witwatersrand, South Africa - Pathogenesis of Pancreatitis
- University of Cape Town, South Africa - From Prout to the Proton Pump

1988

- St. Mary Hospital - Induction of Gastric Carcinoid by Irreversible H2 Receptor Blockade
- New England Surgical Society - Surgical Pancreatitis - the Effect of Receptor Blockade
- Gastro Intestinal Surgical Research Group. Yale - Netsuke as an Art Form
- Surgical Tripartite Meeting. Bristol, U.K. - Mucosal Pepsin Release during Hypoxia
- University of Goteburg, Sweden - The Adoration of the Vagi
- Nordic Endocrine Society. Sweden, - Cholecystokinin Receptor Antagonists
- Grand Rounds. Ohio State University, Columbus - Pathophysiology of Peptic Ulcer Disease
- Eisenberg Memorial Lecture. Brigham Hospital, Harvard Medical School - From Prout to the Proton Pump

1987

- San Antonio Surgical Society - Endoscopy and Early Gastric Cancer

1986

- Association of Academic Surgeons - Characteristics of Spontaneous Endocrine Tumors of Mastomys

1984

- Grand Rounds. Yale University - Of Gastrinomas and Men
- Memorial Sloan Kettering - Pathophysiology Pancreatic Polypeptide
- San Antonio - Pathophysiology of Endocrine Tumors

1983

- National Institutes of Health, Department of Surgery - Endocrine Tumors of the Gut

1982

- World Gut Hormone Symposium. Stockholm: Evidence for a Non-Gastrin pH Dependent Mechanism of Bombesin Stimulated Gastric Acid Secretion

1981

- Surgical Forum. San Francisco: Bombesin Stimulated PP Release as a Discriminator of Vagal Integrity
- World Gut Hormone Symposium. Florence, Italy: The Release of Pancreatic Polypeptide by Xenopsin

1980

- Association for Academic Surgeons. Birmingham, Alabama: The Antral Modulation of Pancreatic Polypeptide Release
- World Gut Hormone Symposium. Cambridge, England: Release of Substance P by a Meal
- World Gut Hormone Symposium. Cambridge, England: Cholinomimetic Modulation of PP Release
- World Gut Hormone Symposium. Cambridge, England: Intestinal Phase of PP Release
- Surgical Forum. Atlanta: Failure of PP Release by Pancreatic Transplants
- American Federation for Clinical Research. Washington, D.C.: Neural Modulation of Pancreatic Polypeptide Release

- Society for Surgery of the Alimentary Tract. Salt Lake City, UT: Bombesin - A Vagally Independent Releaser of Gastrin
- Society of University Surgeons. Houston, TX: Evidence for Cholinergic Dependence of PP Release by Bombesin - A Possible Application

1979

- Association of Academic Surgeons. Great Gorge, New Jersey: Food and Bombesin Release Gastrin by Different Mechanisms
- American College of Surgeons. Chicago: The Release of VIP from the Pancreas
- American Gastroenterology. New Orleans Can Combinations of Secretagogues Restore Gastric Acid Secretion After Vagotomy
- Society of University Surgeons. Salt Lake City: Evidence for the Existence of an Enteropancreatic Reflex

1978

- American Federation of Clinical Research. Carmel: Varying Effects of Endogenous and Exogenous CCK on Pancreatic Protein Secretion
- Association of Academic Surgeons. Cleveland: Control of Gastric Emptying and Peptide Release by Exogenous Motilin
- American Gastroenterology Association.: Vasoactive Intestinal Polypeptide in The Pathogenesis of Gut Ischaemia
- American Federation of Clinical Research Atlantic City,: Release of Polypeptide Hormones by Oral Water Load
- British Association of Surgeons. Sheffield,: Management and Prognosis of Seventy-Four Pheochromocytomas
- American College of Surgeons Congress: Pancreatic Endocrine Tumors
- World Gut Hormone Symposium. Oslo: Atropine Resistant CCK Like Peptide Release
- World Gut Hormone Symposium. Oslo: Effect of Motilin on Gastric Emptying

1977

- British Society of Gastroenterology : VIP: A New Component of the Autonomic Nervous System.
- British Regional Hospital Pharmaceutical Course: Adrenal Surgery.
- Royal Postgraduate Medical School surgical Course: Aspects of Colonic Angiodysplasia.
- British Surgical Research Society: Mechanisms of Motilin Release.
- European Surgical Research Society. Warsaw: Motilin Release in the Pig.

1976

- Royal Society of Medicine: Haemorrhage in Reduplications of the Duodenum.
- British Endocrine Society.: VIP Release in Intestinal Ischemia.
- University of London Surgical Endocrinology Symposium: Pheochromocytoma Management.
- British Postgraduate Medical Federation Gastroenterology Course: Multi Hormone Secreting Gut Tumors
- University of London MSc Course in Clinical Biochemistry: APUDomas of the Gut.
- Postgraduate Gastroenterology Teaching Course, St. Charles Hospital. London
- Endocrine Gut Tumors
- International Gut Hormone Symposium. Lausanne: VIP Pharmacokinetics
- British Society of Gastroenterology: VIP and Diarrhea.

PUBLICATIONS

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A. SUBMITTED/IN PREPARATION

- 1) Drozdov I, Kidd M, Camp R, Nadler B, Mane S, Gustafsson BI, **MODLIN IM**. Highly Accurate Prediction of Primary Neuroendocrine Tumor Subtypes and their Metastases using Gene Expression Profiling and Regularized Discriminant Analysis. Cancer 2009 (submitted).
- 2) Drozdov I, Kidd M, Gustafsson BI, Mane S, Hauso O, Pfragner R, **MODLIN IM**. Gene based Mathematical and Biochemical Assessment of G protein-coupled Receptor Pathways and CREB Targets in Small Intestinal Neuroendocrine Neoplasia (in preparation).
- 3) Kidd M, Chin A, Gustafsson BI, Siddique Z-L, Drozdov IA, Sumpio B, **MODLIN IM**. The role of mechanical forces in the regulation of enterochromaffin cell secretion (in preparation).
- 4) Eltawil KM, Gustafsson BI, Kidd M, Drozdov I, Siddique L, Chan A, **MODLIN IM**. Primary Hepato-biliary Neuroendocrine Tumors: Unusual and Enigmatic Tumors of Unknown Origin (in preparation).
- 5) Eltawil KM, Kidd M, Gustafsson B, **MODLIN IM**. Neuroendocrine Tumors of the Gallbladder: An evaluation and reassessment of management strategy (in preparation).
- 6) **MODLIN IM**, Gustafsson BI, Kidd M. Neuroendocrine Tumors of the GI Tract: An Appraisal of the Past and Perspectives for the Future (in preparation).

B. CLINICAL

- 1) **MODLIN IM**, Moss SF, Oberg K, Padbury R, Hicks R, Gustafsson BI, Wright NA, Kidd M. Gastrointestinal neuroendocrine (carcinoid) tumors – current diagnosis and management. Australian Medical Journal 2010 (accepted).
- 2) **MODLIN IM**, Pavel M, Kidd M, Gustafsson BI. Somatostatin analogues: An appraisal of their utility and efficacy. Aliment Pharmacol Ther (2009) (in press).
- 3) Klimstra D, **MODLIN IM**, Adsay N, Chetty R, Deshpande V, Gonen M, Jensen R, Kidd M, Kulke M, R. L, Moran C, Moss S, Oberg K, O'Toole D, Rindi G, Robert M, Suster S, Tang L, Tzen C-Y, Washington M, Wiedenmann B, Yao J. Pathologic Reporting of Neuroendocrine Tumors: Application of the Delphic Consensus Process to the Development of a Minimum Pathologic Data Set. Am J Pathol (2009) (in press).
- 4) **MODLIN IM**, Wright NA, Gustafsson BI, Kidd M. Gastrointestinal neuroendocrine (carcinoid) tumors. Gastroenterology (2009) (in press).
- 5) Kahrilas PJ, Shaheen NJ, Vaezi MF, Hiltz SW, Black E, **MODLIN IM**, Johnson SP, Allen J, Brill JV; American Gastroenterological Association. American Gastroenterological Association Medical Position Statement on the management of gastroesophageal reflux disease. Gastroenterology. 2008 Oct;135(4):1383-1391, 1391.e1-5.
- 6) **MODLIN IM**, Hunt RH, Malfertheiner P, Moayyedi P, Quigley EM, Tytgat GN, Tack J, Holtmann G, Moss SF. Non-erosive reflux disease--defining the entity and delineating the management. Digestion. 2008;78 Suppl 1:1-5. Epub 2008 Oct 2.
- 7) Pannala R, Kidd M, **MODLIN IM**. Acute pancreatitis: the rapid pace of no change. Pancreas 2009;38:355-66.
- 8) **MODLIN IM**, Moss SF, Chung DC, Jensen RT, Snyderwine E. Priorities for improving management of gastropancreatic neuroendocrine tumors. J Natl Cancer Inst 2008; 100:1282-9.
- 9) Gustafsson BI, Siddique Z-L, Chan AK, Manku D, Drozdov I, Kidd M, **MODLIN IM**. Uncommon cancers of the small intestine, appendix and colon: An analysis of SEER 1973-2004, and current diagnosis and therapy. International Journal of Cancer 2008; 33:1121-31.
- 10) **MODLIN IM**, Kidd M, Drozdov I, Siddique Z-L, Gustafsson BI. Pharmacotherapy of Neuroendocrine Cancers. Expert Opinion on Pharmacotherapy 2008; 9:2617-26.
- 11) Hauso O, Gustafsson G, Kidd M, Waldum H, Drozdov I, Chan AK, **MODLIN IM**. Neuroendocrine Tumor Epidemiology: Contrasting Norway and North America. Cancer 2008; 113:2655-64.

- 12) Gustafsson BI, Hauso O, Drozdov I, Kidd M, **MODLIN IM**. Carcinoid Heart Disease. (International Journal of Cardiology (2008) (in press).
- 13) Bornschein J, Kidd M, Malfetheiner P, **MODLIN IM**. Neuroendokrine Tumoren des Gastrointestinaltraktes. Dtsch Med Wochenschr 2008;133: 1505-10.
- 14) Gustafsson BI, Kidd M, Chan A, Malfertheiner MV, **MODLIN IM**. Bronchopulmonary neuroendocrine tumors. Cancer 2008; 113:5-21.
- 15) **MODLIN IM**, Moss SF. Symptom Evaluation in Gastroesophageal Reflux Disease. J Clin Gastroenterol. 2008; 42:558-563.
- 16) Hungin P, **MODLIN IM**. NERD: a new approach in managing reflux symptoms. Fam Pract. 2008; 25:397-9.
- 17) **MODLIN IM**, Oberg K, Chung DC, Jensen RT, de Herder WW, Thakker RV, Caplin M, Delle Fave G, Kaltsas GA, Krenning EP, Moss SF, Nilsson O, Rindi G, Salazar R, Ruzniewski P, Sundin A. Gastroenteropancreatic Neuroendocrine Tumors. Lancet Oncol 2008; 9:61-72.
- 18) Gustafsson BI, Kidd M, **MODLIN IM**. Neuroendocrine tumors of the Diffuse Neuroendocrine System. Current Opinion in Oncology 2008; 20:1-12.
- 19) **MODLIN IM**, Champaneria MC, Chan AKC, Kidd M. A three decade analysis of 3,911 small intestinal carcinoids: The rapid pace of no progress. Am J Gastroenterol 2007; 102: 1464-73.
- 20) Hunt RH, Tytgat G, Malfertheiner P, Fock KM, Heading R, Katelaris P, McCarthy D, McColl KE, Moss SF, Sachs G, Sontag SJ, Thomson A, **MODLIN IM**. Whistler Summary: "the slow rate of progress". J. Clin Gastroenterol 2007; 41:539-45.
- 21) Moss SF, Kidd M, **MODLIN IM**. The status of the hiatus: the role of hernia in gastroesophageal reflux disease. J Clin Gastroenterol (2007) (in press).
- 22) Hunt RH, Malfertheiner P, Armstrong D, Holtmann G, Quigley EMM, Spechler SJ, **MODLIN IM**. GERD Evaluation – Time for a new paradigm. J Clin Gastroenterol 2007; 41:237-41.
- 23) Pannala R, Gafni-Kane A, Kidd M, **MODLIN IM**. An Ileal Endometrioma: Of Carcinoids and Cadherin. J Gastrointestinal Surgery 2007; 11:229-32.
- 24) **MODLIN IM**, Shapiro MD, Kidd M. Primary carcinoid tumor of the parotid: a case report and review of the literature. Ear Nose Throat Journal 2006; 85:533-9.
- 25) Latich I, **MODLIN IM**, Zikusoka MN, Kidd M, Eick G, Chan A. Gastrointestinal carcinoids – the Evolution of Diagnostic strategies. J Clin Gastroenterol 2006; 40:572-82.
- 26) **MODLIN IM**, Latich I, Kidd M, Zikusoka MN, Eick G. Therapeutic options for Gastrointestinal carcinoids. Clinical Gastroenterology and Hepatology 2006; 4:526-47.
- 27) Pannala R, Kidd M, **MODLIN IM**. Surgery for the Obese: A Panacea? Digestive Surgery 2006; 23:1-11.
- 28) Malfertheiner P, Fass R, Quigley EM, **MODLIN IM**, Malagelada JR, Moss SF, Holtmann G, Goh KL, Katelaris P, Stanghellini V, Talley NJ, Tytgat GN, Wright NA. Review article: from gastrin to gastro-oesophageal reflux disease--a century of acid suppression. Aliment Pharmacol Ther. 2006 Mar 15;23(6):683-90
- 29) Ballantyne GH, Gumbs A, **MODLIN IM**. Changes in insulin resistance following bariatric surgery and the adipoinular axis: role of the adipocytokines, leptin, adiponectin and resistin. Obes Surg. 2005 May;15(5):692-9.
- 30) Gumbs AA, **MODLIN IM**, Ballantyne GH. Changes in insulin resistance following bariatric surgery: role of caloric restriction and weight loss. Obes Surg. 2005 Apr;15(4):462-73.
- 31) **MODLIN IM**, Adler G, Alexander K, Arnold R, Brenner DA, Corazziari E, Floch MH, LaPorte RE, Peterson WL, Quigley EM, Shapiro MD, Spechler SJ, Spiller RC, Tytgat GN, Wiegers W. Information assimilation and distribution challenges and goals for real and virtual journals. J Clin Gastroenterol. 2005; 39: 181-8.
- 32) **MODLIN IM**, Kidd M, Latich I, Zikusoka MN, Shapiro MD. Current status of Gastrointestinal carcinoids. Gastroenterology 2005; 128: 1717-51.
- 33) Buragas M, Kidd M, **MODLIN IM**, Cha C. Multiple gastrointestinal stromal tumors and synchronous ileal carcinoid. Nature Medicine Clinical Practice 2005; 2(3): 1-5.
- 34) **MODLIN IM**, Shapiro MD, Kidd M. A Miscellany of rare carcinoids – Clarifying the clinical conundrum. World J. Surg 2005; 29:92-101.
- 35) **MODLIN IM**, Shapiro MD, Kidd M. Carcinoid tumors and fibrosis: a relation with little explanation. Am J Gastro 2004; 99:2466-2478.
- 36) **MODLIN IM**, Kidd M. GERD 2003: Issues from the past and a consensus for the future. Best Practice & Research Clinical Gastroenterology 2004; 18 Suppl: 55-66.
- 37) Mullerpatan PM, Joshi SR, Shah RC, Tampi CS, Doctor VM, Jagannath P, **MODLIN IM**. Calcitonin-secreting tumor of the pancreas. Dig Surg 2004; 21:321-324.
- 38) Abir F, **MODLIN IM**, Kidd M, Bell R. The Surgical Treatment of Achalasia: Current Status and Controversies. Digestive Surgery 2004; 21:165-176.

- 39) **MODLIN IM**, Moss SF, M Kidd, K Lye. Gastro-Esophageal Reflux Disease - Then and Now. *J Clin Gastroenterol*, 2004; 38:390-402.
- 40) **MODLIN IM**, Kidd M. GERD 2003: Issues from the past and a consensus for the future. *Drugs Today* 2004; 40(Suppl 1A) 3-8.
- 41) **MODLIN IM**, Lye K, Kidd M. Multiple gastric carcinoids. *J Am Coll Surg* 2004; 198: 174.
- 42) **MODLIN IM**, Lye K, Kidd M. A 50-year analysis of 562 gastric carcinoids: small tumor – or larger problem? *Am J Gastroenterol* 2004; 99: 23-32.
- 43) Koelz HR, Blum AL, **MODLIN IM**. Costs of GERD: Facts and Fiction. (Selected Summary) *Gastroenterology* 2003; 125: 981-2.
- 44) **MODLIN IM**, Kidd M, Lye K. Carcinoid Tumors of the Stomach. *Surgical Oncology* 2003; 12:153-172.
- 45) Moss SF, Armstrong D, Arnold R, Ferenci P, Fock KM, Holtmann G, McCarthy DM, Moraes-Filho JP, Mutschler E, Playford R, Spechler SJ, Stanghellini V, **MODLIN IM**. GERD 2003 - A Consensus on the Way Ahead. *Digestion*. 2003;67(3):111-7.
- 46) **MODLIN IM**, Kidd M, Lye KD, Murren J, Argiris A. Molecular Strategies and 111In-labeled somatostatin analogues in defining the management of neuroendocrine tumour disease: a new paradigm for surgical management. *The Surgeon* 2003; 1(3): 137-143.
- 47) **MODLIN IM**, Lye KD, Kidd M. A 5-decade analysis of 13,715 carcinoid tumors. *Cancer* 2003; 97:934-959.
- 48) Gumbs AA, Moore PS, Falconi M, Bassi C, Beghelli S, **MODLIN IM**, Scarpa A. Review of the clinical, histological, and molecular aspects of pancreatic endocrine neoplasms. *J Surg Oncol*. 2002; 81:45-53.
- 49) Moss SF, **MODLIN IM**. Summation: irritable bowel and the irritable physician. *J Clin Gastroenterol*. 2002; 35 (1 Suppl):S68-70.
- 50) **MODLIN IM**. Efficacy and safety of intravenously administered pantoprazole in the treatment of gastrinoma. *Recenti Prog Med* 2001; 92:456-461.
- 51) Lew EA, Pisegna JR, Starr JA, Soffer EF, Forsmark C, **MODLIN IM**, Walsh JH, Beg M, Bochenek W, Metz DC. Intravenous pantoprazole rapidly controls gastric acid hypersecretion in patients with Zollinger-Ellison syndrome. *Gastroenterol* 2000; 118:696-704.
- 52) Yale University Workshop Reports. Extraesophageal Manifestations of Gastroesophageal Reflux Disease. *J Clin Gastroenterol* 2000;30 (3) (suppl).
- 53) **MODLIN IM**, Tang LH. Cell and tumour biology of the gastric enterochromaffin-like cell. *Ital J Gastroenterol Hepato* 1999;31(suppl2):S117-30.
- 54) **MODLIN IM**, Tang LH, Svennevik. Gastric Carcinoid Tumors. *Surgical Endocrinology*, 2001, 30:431-446.
- 55) Schonfeld WH, Eiken EP, Woltering EA, **MODLIN IM**, Anthony L, Villa KF, Zagari M. The cost-effectiveness of octreotide acetate in the treatment of carcinoid syndrome and VIPoma. *Int J Technol Assess Health Care* 1998; 14:514-525
- 56) Sandor A, **MODLIN IM**. A retrospective analysis of 1570 appendiceal carcinoids. *Am J Gastroenterol* 1998; 93:422-428
- 57) Moss SF, Fendrick AM, Cave DR, **MODLIN IM**. *Helicobacter pylori* - more light, less heat? *Am J Gastroenterol* 1998; 93:306-310
- 58) **MODLIN IM**, Sandor A, Tang LH, Kidd M, Zelterman D. A 40 year analysis of 265 gastric carcinoids. *Am J Gastroenterol* 1997; 92: 633-638
- 59) Begos DG, Sandor A, **MODLIN IM**. The Diagnosis and Management of Adult Intussusception. *Am J Surg* 1997, 173: 88-94
- 60) **MODLIN IM**, Tang LH. Approaches to the diagnosis of Gut neuroendocrine tumors: The last word (Today). *Gastroenterol* 1997, 112: 583-590
- 61) **MODLIN IM**, Sandor A. An analysis of 8305 Cases of Carcinoid Tumors. *Cancer* 1997, 79:813-829
- 62) **MODLIN IM**, Gilligan CJ, Lawton GP, Tang LH, West AB, Lindenberg R. Observations on relationship between hypergastrinemia, multiple gastric carcinoids, and pancreatic mass. *Dig Dis Sci* 1996; 41(1):105.14.
- 63) **MODLIN IM**, Lawton GP, Cornelius E. Use of an Isotopic Somatostatin Receptor Probe to Image Gut Endocrine Tumors. *Arch Surg* 1995;130:367-374.
- 64) **MODLIN IM**, Gilligan CJ, Lawton GP, Tang LH, West AB, Darr U. Gastric Carcinoids: The Yale Experience. *Arch Surg* 1995; 130 (3) 250-256.
- 65) **MODLIN IM**. To Repair the Fault or End the Acid Reign? *Scand J Gastroenterol* 1995; 30 Suppl 210:1-5.
- 66) **MODLIN IM** and Hunt RH. Critical Reappraisal of Mucosal Repair Mechanisms. *Scand J Gastroenterol* 1995; 30 Suppl 210: 28-31.

- 67) Begos DG, Franco KL, Baldwin JC, Lee FA, Revkin JH, **MODLIN IM**. Optimal Timing And Indications For Cholecystectomy In Cardiac Transplant Patients. *World J Surg*. 19, 661-667, 1995.
- 68) Gilligan CJ, Tang LH, Lawton GP, West AB, **MODLIN IM**. Gastric Carcinoid Tumors: The Biology and Therapy of an Enigmatic and Controversial Lesion. *Am J Gastro* 1995;Vol. 90 (3):338-352.
- 69) Sgambati SA, Lawton GP, **MODLIN IM**. Chronic Pancreatitis: A Precursor to Pancreatic Carcinoma? *Dig Surg* 1994; 11:275-285.
- 70) Begos DG, **MODLIN IM**. Laparoscopic Cholecystectomy: From Gimmick To Gold Standard. *J Clin Gastroenterol* 1994; 19(4):325-30.
- 71) **MODLIN IM**, Lawton GP. Editorial: Duodenal Gastrinoma: The Solution to the Pancreatic Paradox. *J Clin Gastroenterol* 1994; 19(3):184-8.
- 72) Mani S, **MODLIN IM**, Ballantyne G, Ahlman H, West B. Carcinoids of the Rectum. *Jo Am Coll Surg* 1994, 179; 231-248.
- 73) **MODLIN IM**, Lawton FP. The Evolving Clinical Uses of Octreotide. *Drug Therapy*, August 1994; 28-38.
- 74) Lawton GP, **MODLIN IM**. Recent advances in the localization and surgical management of duodenal gastrinomas. In: *Current Opinion in General Surgery* 1994: 131-137, ed JM Daly, Current Science.
- 75) Ginsberg RJ, Miller TA, **MODLIN IM**. Esophageal, gastric and small intestine (editorial overview). In: *Current Opinion in General Surgery* 1994: 109-112, ed JM Daly, Current Science.
- 76) **MODLIN IM**, Goldenring JR, Lawton GP, Hunt R. Aspects of the Theoretical
- 77) Basis and Clinical Relevance of Low Acid States. *Am J Gastro* 1994;89(3):308-18.
- 78) Begos DG, **MODLIN IM**. Editorial: Gastrin and Colon Cancer Clarifying the Controversy. *J Clin Gastro* 1994; 18(3):189-93.
- 79) Leach SD, **MODLIN IM**, Goldstein L, Ballantyne GH. Laparoscopic Local Excision of a Proximal Rectal Carcinoid. *J Laparoendosc Surg*, Vol. 4 (1), 1994; 65-70.
- 80) **MODLIN IM**, Lewis JL, Kumar RR, Bilchik AJ, Ahlman H. Management of unresectable malignant endocrine tumors of the pancreas. *Surg Gynecol Obstet* 1993; 176:507-518.
- 81) Basson MD, Ahlman H, Wangberg B, **MODLIN IM**. Biology and management of the midgut carcinoid. *Am J Surg* 1993; 165:288-297.
- 82) Hurst RD, **MODLIN IM**. The use of radiolabeled somatostatin analogs in the identification and treatment of somatostatin receptor bearing tumors. *Digestion* 1993; 54(suppl):88-91.
- 83) **MODLIN IM**, Stoch SA, Soybel DI, Nilsson A, Ahlman H. Biological markers of neuroendocrine tumors of the gastrointestinal tract and pancreas. *Eur J Surg* 1992; 157:629-645.
- 84) Havlik RJ, Fried I, Chyatte D, **MODLIN IM**. Encephalo-Omental synangiosis in the management of moyamoya disease. *Surgery* 1992; 111(2):156-162.
- 85) Yapp R, **MODLIN IM**, Kumar RR, Binder HJ, Dubrow R. Gastrin and colorectal cancer: evidence against an association. *Dig Dis and Sci* 1992; 37(4):481-484.
- 86) **MODLIN IM**. Adaptation and renewal of the gastrointestinal surgeon to meet the continuous challenge of modern gastroenterology. *Scand J Gastroenterol* 1992; 27(Suppl 193):100-105.
- 87) Haque S, **MODLIN IM**, West AB. Multiple Glomus Tumors of the Stomach With Intravascular Spread. *Am J of Surg Pathol* 16(3): 291-299, 1992.
- 88) Leach SD, Gorelick FS, **MODLIN IM**. New perspectives on acute pancreatitis. *Scand J Gastro* 1992; 27(Suppl 192):29-38.
- 89) Basson MD, **MODLIN IM**, Flynn SD. Gastric stromal tumors: current clinical and pathological perspectives. *Surg, Gynecol and Obstet* 1992; 175(5):477-89.
- 90) Lewis J, Basson M, **MODLIN IM**. Surgical therapy in acute esophageal variceal hemorrhage. *Dig Dis* . Scarpignato C, **MODLIN IM** (Ed) Karger 1992; 10 (1):46-55.
- 91) Scarpignato C, **MODLIN IM** (eds). The management of esophageal varices: In *Digestive Dis Suppl*. Karger 1992; 10(1):1-2.
- 92) Soybel DI, **MODLIN IM**. Implications of sustained suppression of gastric acid secretion. *Am J Surg* 1992 June; 163(6):613-622.
- 93) Ahlman H, Wangberg B, Nilsson O, Grimelius L, Granerus G, **MODLIN IM**, Stenovist O, Schersten T. Aspects on diagnosis and treatment of the foregut carcinoid syndrome. *Scand J Gastro* 1992; 27:459-471.
- 94) Soybel DI, **MODLIN IM**. Sustained suppression of gastric secretion and the risk of neoplasia in the gastric mucosa. *Am J Gastro* 1991; 86(12):1713-1719.
- 95) Ballantyne GH, Savoca PE, Flannery JT, Ahlman H, **MODLIN IM**. Incidence and mortality of carcinoids of the colon: Data from the Connecticut Tumor Registry. *Cancer* 1992; 69(10):2400-2405.
- 96) Hurst RD, **MODLIN IM**. Future prospects for somatostatin analogs. *Cont Oncol* 1991; 1(5):27-32.

- 97) Berkowitz I, Marks IN, **MODLIN IM**. Case report. Low acid, high gastrin-a signal sequence for gastric endocrine neoplasia? *Eur J Gastro & Hepat* 1991; 3:198-91.
- 98) Hurst RD, **MODLIN IM**. The therapeutic role of octreotide in the management of surgical disorders. *Am J Surg* 1991; 162(5):499-507.
- 99) Armstrong DN, Ballantyne GH, **MODLIN IM**. Erythromycin for reflex ileus in Ogilvie's syndrome. *Lancet* 1991; 337:338.
- 100) Ballantyne GH, Savoca PE, Flemming FX, Longo WE, **MODLIN IM**. Screening colonoscopy in asymptomatic patients. *Diseases of the Colon & Rectum* 1990;33:14.
- 101) Savoca PE, Ballantyne GH, Flannery JT, **MODLIN IM**. Mucinous rectal cancer in the state of Connecticut: 1982-1986. *Diseases of the Colon & Rectum* 1990; 33:13.
- 102) Ferrara A, Armstrong DN, Bjorck S, Ballantyne GH, **MODLIN IM**, McMillen MA. In-vitro immunosuppression by lidocaine: implications for the topical treatment of ulcerative colitis. *Diseases of the Colon & Rectum* 1990; 33:34-35.
- 103) Brophy CM, Ballantyne GH, **MODLIN IM**. Small bowel obstruction secondary to phytobezoar in the post gastrectomy patient. *Contemp Surg* 1990; 37:27-33.
- 104) Vukasin AP, Ballantyne GH, Flannery JH, Lerner E, **MODLIN IM**. Increasing incidence of cecal and sigmoid carcinoma: data from the Connecticut tumor registry. *Cancer* 1990; 66(11):2442-2449.
- 105) Ferrara A, MacArthur JD, Wright HK, **MODLIN IM**, McMillen MA. Hypothermia and acidosis worsen coagulopathy in the massively transfused. *Am J Surg* 1990; 160(5):515-518.
- 106) Reilly JM, Ballantyne GH, Zdon MJ, Zucker KA, **MODLIN IM**. Evaluation of the occult blood test in screening for colorectal neoplasms: a prospective study utilizing flexible endoscopy. *Am Surgeon* 1990; 56:119-123.
- 107) Longo WE, Ballantyne GH, **MODLIN IM**. Colorectal disease in spinal cord patients: an occult diagnosis. *Disease of the Colon & Rectum* 1990; 33(2):131-134.
- 108) Savoca PE, Longo WE, Zucker KA, McMillen MA, **MODLIN IM**. The increasing prevalence of acalculous cholecystitis in outpatients: Results of a 7-year study. *Ann Surg* 1990; 211(4):433-437.
- 109) Leach S, Gorelick F, **MODLIN IM**. Acute Pancreatitis at Its Centenary: The Contribution of Reginald Fitz. *Ann Surg* 1990; 212(1):109-113.
- 110) Tierney R, Ballantyne G, **MODLIN IM**. The Adenoma to Carcinoma Sequence. *Surg Gynecol & Obstet* 1990; 171(1):81-94.
- 111) Bilchik A, Leach S, Zucker K, **MODLIN IM**. Experimental Models of Acute Pancreatitis. *J Surg Research* 1990; 48:639-647.
- 112) Wong TY, Enriquez RE, **MODLIN IM**, Soldano L, Ouellette GS, Kapadia CR. Recurrent Hemorrhage from an invaginated Meckel's diverticulum in a 78-year-old man. *Am J or Gastroenterology* 1990; 85:2.
- 113) Zucker ZA, Longo WE, **MODLIN IM**, Bilchik AJ, Adrian TE. Malignant diathesis from jejunal-ileal carcinoids. *Am J Gastroenterol* 1989; 84(2):182-186.
- 114) Longo WE, Baker CB, McMillen MA, **MODLIN IM**, Degutis LC, Zucker KA. Nonoperative management of adult blunt splenic trauma: Criteria for successful outcome. *Ann Surg* 1989; 210(5):626-629.
- 115) Longo WE, Zucker KA, Zdon MJ, **MODLIN IM**. Detection of early gastric cancer in an aggressive endoscopy unit. *Am Surg* 1989; 55 (2):100-104.
- 116) Longo WE, Ballantyne GH, **MODLIN IM**. The colon, anorectum and spinal cord patient. A review of the functional alterations of the denervated hindgut. *Dis Col & Rect* 1989; 32(3):261-267.
- 117) Brophy CM, Morris J, Sussman J, **MODLIN IM**. "Pseudoascites" secondary to an amylase-producing serous ovarian cystadenoma. *J Clin Gastroenterol* 1989; 11(6):703-706.
- 118) Ballantyne GH, **MODLIN IM**. Postoperative follow-up for colorectal cancer: Who are we kidding? *J Clin Gastro* 1988; 10(4):359-364.
- 119) Romano TJ, Graham SM, Chuong J, Ballantyne GH, **MODLIN IM**, Sussman J, West AB. Bleeding colonic ulcers secondary to atheromatous microemboli after left heart catheterization. *J Clin Gastro* 1988; 10(6):693-698.
- 120) Longo WE, Ballantyne GH, Bilchik AJ, **MODLIN IM**. Advanced rectal cancer. What is the best palliation? *Dis Colon Rectum* 1988; 31(11):842-847.
- 121) Longo WE, Ballantyne GH, **MODLIN IM**. Colonoscopic detection of early colorectal cancers: Impact of a surgical endoscopy service. *Ann Surg* 1988; 207: 174-178.
- 122) Longo WE, Zucker KA, Zdon MJ, **MODLIN IM**. Gastric cancer in Connecticut: Outlook for improved survival. *Conn Med* 1988; 52:3-6.
- 123) Rubin BG, Ballantyne GH, Zdon MJ, Zucker KA, **MODLIN IM**. The role of flexible sigmoidoscopy in the preoperative screening of patients with inguinal hernia. A high yield of neoplasms. *Arch Surg* 1987; 122:296-299.

- 124) Letsou G, Ballantyne GH, Zdon MJ, Zucker KA, **MODLIN IM**. Screening for colorectal neoplasms: A comparison of the fecal occult blood test and endoscopic examination. *Dis Colon Rectum* 1987; 30:839-843.
- 125) Cambria RP, Faust G, Gusberg R, Tilson MD, Zucker KA, **MODLIN IM**. Percutaneous angioplasty for peripheral arterial occlusive disease. *Correlates of Clinical Success. Arch Surg* 1987; 122:283-287.
- 126) Longo WE, Zucker KA, Zdon MJ, Ballantyne GH, Cambria RP, **MODLIN IM**. Role of endoscopy in the diagnosis of early gastric cancer. *Arch Surg* 1987; 122: 292-295.
- 127) Graham SM, Ballantyne GH, **MODLIN IM**. Gastric epithelioid leiomyomatous tumors: Review of the literature. *Surg Gynecol Obstet* 1987; 164:391-397.
- 128) Graham SM, Ballantyne GH, **MODLIN IM**. Gastric epithelioid leiomyosarcoma: A curable gastric neoplasm. *Am J Gastroenterol* 1987; 82:82-85.
- 129) Basson MD, **MODLIN IM**. Pepsinogen: Prolate ellipsoid or unrecognized pathogen? *J Clin Gastroenterol* 1987; 9(4): 75-479.
- 130) Ballantyne GH, Graham S, Hammers L, **MODLIN IM**. Superior mesenteric artery syndrome following ileal "J"-pouch anal anastomosis: An iatrogenic cause of early postoperative obstruction. *Dis Colon Rectum* 1987; 30:472-474.
- 131) Ballantyne GH, **MODLIN IM**. Advances of endoscopic therapy for gastric diseases. *Problems in Gen Surg* 1987; 4: 223-238.
- 132) Sumpio BE, Ballantyne GH, Zdon MJ, **MODLIN IM**. Perforated appendicitis and obstructing colonic carcinoma in the elderly. *Dis Colon Rectum* 1986; 29:668-670.
- 133) Longo WE, Ballantyne GH, Gerald WL, **MODLIN IM**. Squamous cell carcinoma in situ in condyloma accuminatum. *Dis Colon Rectum* 1986; 29:503-506.
- 134) Letsou G, Ballantyne GH, Zdon MJ, **MODLIN IM**. Rectal carcinoma in a renal transplant patient. Long term complication of immunosuppression? *Dis Colon Rectum* 1986; 29(2):133-135.
- 135) Peterson JM, McCallum RW, Gartman D, **MODLIN IM**. The medical and surgical approach to gastroesophageal reflux. *Pract Gastroenterol* 1985.
- 136) Letsou G, Ross P, Ballantyne GH, Zdon MJ, **MODLIN IM**. Flexible sigmoidoscopy versus stool guaiac as a screening test for lesions of the distal colon and rectum. *Gastrointest Endosc* 1985; 31(2):148.
- 137) **MODLIN IM**, Brennan MF. The diagnosis and management of gastrinoma. *Surg Gynecol Obstet* 1984; 158(1):97-104.
- 138) **MODLIN IM**, Jaffe BM, Sand A, Albert D. The early diagnosis of gastrinoma. *Ann Surg* 1982; 196(5): 512-517.
- 139) **MODLIN IM**. Carcinoid syndrome. *J Clin Gastroenterol* 1980; 2(4):349-354.
- 140) **MODLIN IM**. Endocrine tumors of the pancreas. *Surg Gynecol Obstet* 1979; 149(II):751-769.
- 141) **MODLIN IM**, Lamers CBH. Multiple endocrine neoplasia type II (Sipple's Syndrome). *S Afr Med J* 1979; 56(13): 521-525.
- 142) **MODLIN IM**, Lamers CBH. Multiple endocrine neoplasia type I (Wermer's Syndrome). *S Afr Med J* 1979; 56(12): 485-488.
- 143) **MODLIN IM**, Farndon JR, Sheperd A, Johnston IDA, Kennedy TL, Montgomery DAD, Welbourn RB. Pheochromocytomas in 72 patients: Clinical and diagnostic features, treatment and long term results. *Br J Surg* 1979 July; 66(7):456-465.
- 144) **MODLIN IM**, Bloom SR, Mitchell S. VIP: the cause of the watery diarrhea syndrome. *Adv Exp Med Biol* 1978; (106):195-201.
- 145) Maempel FZ, **MODLIN IM**,. Diagnosis and management of gastric carcinoid tumours with hepatic metastases. *Br J Surg* 1978; 65(7):516-520.
- 146) Tarin D, Allison DJ, **MODLIN IM**, Neale G. Diagnosis and management of obscure gastrointestinal bleeding. *Br Med J* 1978 Sep; 2: 751-755.
- 147) **MODLIN IM**, Spencer J. Unilateral short thumb associated with bleeding duodenal reduplication. *Br Med J* 1978; 1(6110):412.
- 148) **MODLIN IM**, Bloom SR. VIPomas and the watery diarrhoea syndrome. *S Afr J Med* 1978 Jul; 54(2):53-56.
- 149) **MODLIN IM**, Bloom SR, Barnes A, Welbourn RB. Cure of intractable watery diarrhoea by excision of a vipoma. *Br J Surg* 1978; 65(4):234-236.
- 150) Allison DJ, **MODLIN IM**, Jenkins WJ. Treatment of carcinoid liver metastases by hepatic-artery embolization. *Lancet* 1977 Dec; 2(8052-8053):1323-1325.
- 151) **MODLIN IM**, Christofides N, Bloom SR. Plasma-motilin and carcinoid tumors. *Lancet* 1977, Nov; 2(8045):979.
- 152) McCloy RF, **MODLIN IM**. Cimetidine, pH and the Zollinger-Ellison Syndrome. *Lancet* 1977; 2(8048):1131-1132.
- 153) **MODLIN IM**, Bloom SR. Overdiagnosis of endocrine gut tumors. *Lancet* 1977 Jun; 1:1366.

C. RESEARCH

- 1) Kidd M, Siddique Z-L, Drozdov I, Gustafsson BI, Camp RL, Black JW, Boyce M, **MODLIN IM**. The CCK2 receptor antagonist, YF476, inhibits *Mastomys* ECL cell hyperplasia and gastric carcinoid tumor development. *Regulatory Peptides* 2010 (in press).
- 2) Svejda B, Kidd M, Giovinazzo F, Eltawil K, Gustafsson BI, Pfragner R, **MODLIN IM**. The 5-HT_{2B} receptor plays a key regulatory role in both neuroendocrine tumor cell proliferation and the modulation of the fibroblast component of the neoplastic microenvironment. *Cancer* (2010) (in press).
- 3) Drozdov I, Kidd M, Gustafsson BI, Joseph R, Pfragner R, **MODLIN IM**. The Auto-regulatory Effect of Serotonin on the Proliferation and Associated Signaling Pathway of Lung and Small Intestine Neuroendocrine Cell Lines *Cancer* (2009) (in press).
- 4) Kidd M, Hauso Ø, Drozdov I, Gustafsson BI, **MODLIN IM**. Delineation of the chemomechanosensory regulation of gastrin secretion using pure rodent G cells. *Gastroenterology* 2009 (e_Pub Jan 14).
- 5) Drozdov I, Kidd M, Nadler B, Camp R, Mane M, Gustafsson BI, Hauso O, **MODLIN IM**. Predicting Enterochromaffin Cell Neoplasia Using Gene Expression Profiling and Supervised Machine Learning. *Cancer* 2009; 115:1638-50.
- 6) **MODLIN IM**, Gustafsson BI, Drozdov I, Kidd M. Principal Component Analysis, Hierarchical Clustering, and Decision Tree Assessment of Plasma mRNA and Hormone Levels as an Early Detection Strategy for Small Intestinal Neuroendocrine (Carcinoid) Tumors. *Annals Surgical Oncology* (2008) (Dec 3_ePub).
- 7) Kidd M, Gustafsson BI, Drozdov I, **MODLIN IM**. Serotonin secretion from Crohn's disease EC cells is increased and mediated by IL1 α and LPS through TOLL receptor 4 (TLR4) activation ofNF κ B. *Neurogastroenterology & Motility* (2008) (Oct 25_ePub).
- 8) Siddique Z-L, Drozdov I, Floch J, Gustafsson BI, Stunes K, Pfragner R, Kidd M, **MODLIN IM**. KRJ-I and BON cell lines: defining an appropriate enterochromaffin cell neuroendocrine tumor model. *Neuroendocrinology* (2009) (e_Pub Mar 18).
- 9) Kidd M, **MODLIN IM**, Gustafsson BI, Drozdov I, Hauso O. Luminal regulation of normal and neoplastic human EC cell serotonin release is mediated by bile salts, amines, tastants, and olfactants. *Am J Physiol* 2008; 295:G260-72.
- 10) Kidd M, Drozdov I, Joseph R, Pfragner R, Culler M, **MODLIN IM**. Differential cytotoxicity of novel somatostatin and dopamine chimeric compounds on bronchopulmonary and small intestinal neuroendocrine tumor cell lines. 2008; 113:690-700.
- 11) Bornschein J, Kidd M, Eick GN, Pfragner R, **MODLIN IM**. Systematic Cytotoxic Analysis of Common Chemotherapeutic Agents On Lung and Small intestinal Carcinoid Cell lines. *J Cancer Molecules* 2008; 4: 47-54.
- 12) Kidd M, Schally AV, Pfragner R, Malfertheiner MV, **MODLIN IM**. Inhibition of Proliferation of Small Intestinal and Bronchopulmonary cell lines using analogues targeting receptors. *Cancer* 2008; 112:1404-14.
- 13) Sachs G, Shin JM, Munson K, Vagin O, Kidd M, **MODLIN IM**. Molecular Mechanisms in Therapy of Acid Related Diseases. *Cellular and Molecular Life Sciences* 2008; 65:264-81.
- 14) Kidd M, Nadler B, Mane SM, Eick GN, Champaneria MC, Pfragner R, **MODLIN IM**. GeneChip, geNorm and GI carcinoids: novel reference genes for real-time PCR. *Physiological Genomics* 2007; 30: 363-70.
- 15) Kidd M, **MODLIN IM**, Pfragner R, Eick GN, Champaneria MC, Chan AO, Camp RL, Mane SM. Small bowel Carcinoid (EC cell) Neoplasia exhibits TGF β 1-Mediated regulatory abnormalities including Up-regulation of C-Myc and MTA1 *Cancer* 2007; 109: 2420-31.
- 16) Kidd M, **MODLIN IM**, Shapiro MD, Camp RL, Mane SM, Lye KD, Usinger W, Murren J. CTGF, intestinal stellate cells and carcinoid tumor fibrogenesis. *World Journal of Gastroenterology* 2007; 13:5208-16.
- 17) Kidd M, **MODLIN IM**, Black JW, Boyce M, Culler M. Examination of novel gastrin, somatostatin and dopamine receptor compounds on gastric enterochromaffin-like cell function. *Regulatory Peptides* 2007; 143:109-17.
- 18) Kidd M, **MODLIN IM**, Eick GN, Camp RL, Mane SM. The role of CCN2/CTGF in the proliferation of *Mastomys* ECL cells and gastric carcinoid development. *Am J Physiol* 2007 Jan;292(1):G191-200.
- 19) Kidd M, Eick GN, Mane SM, Nadler B, Champaneria MC, Pfragner R, **MODLIN IM**. Further delineation of the continuous human neoplastic enterochromaffin cell line, KRJ-I, and the inhibitory effects of lanreotide and rapamycin. *J Mol Endocrinol.* 2007; 38:181-92.
- 20) **MODLIN IM**, Kidd M, Pfragner R, Eick GN, Champaneria MC. The Functional Characterization of Normal and Neoplastic Human Enterochromaffin Cells. *J Clinical Endocrinology and Metabolism* 2006; 91:2340-8.
- 21) Kidd M, **MODLIN IM**, Eick GN, Champaneria MC. Isolation, Functional Characterization and Transcriptome of *Mastomys* Ileal Enterochromaffin Cells. *Am J Physiol* 2006 Nov;291(5):G778-91.

- 22) Kidd M, **MODLIN IM**, Shapiro MD, Camp RL, Mane SM, Lye KD, Usinger W, Murren J. CTGF, intestinal stellate cells and carcinoid tumor fibrogenesis. *World J Gastro* (2006) (in press).
- 23) Kidd M, **MODLIN IM**, Mane SM, Camp RL, Latic I, Zikusoka MN. The utility of molecular genetic signatures in the delineation of gastric neoplasia. *Cancer* 2006; 106:1480-88.
- 24) **MODLIN IM**, Kidd M, Latic I, Zikusoka MN, Eick G, Mane SM, Camp RL. Genetic differentiation of appendiceal carcinoid malignancy – a guide for the perplexed. *Annals of Surgery* 2006; 244:52-60.
- 25) Kidd M, **MODLIN IM**, Mane SM, Camp RL, Shapiro MD. Q RT-PCR detection of Chromogranin A: A new standard in the identification of neuroendocrine tumor disease. *Annals of Surgery* 2006; 204: 273-80.
- 26) Kidd M, **MODLIN IM**, Mane SM, Camp RL, Eick G, Latic I. The role of genetic markers, NAP1L1, MAGE-D2 and MTA1, in defining small intestinal carcinoid neoplasia. *Annals of Surgical Oncology* 2006; 13:253-62.
- 27) Zikusoka MN, Kidd M, Eick G, Latic I, **MODLIN IM**. Molecular genetics of gastroenteropancreatic neuroendocrine tumors. *Cancer* 2005; 104:2292-309.
- 28) Shen Z, Xu S, Dewhirst FE, Paster BJ, Pena JA, Kidd M, **MODLIN IM**, Fox JG. A Novel Enterohepatic *Helicobacter* sp. *H. natalensis* Isolated from the Liver and Intestine of Rodents. *Helicobacter* 2005; 10: 59-70.
- 29) Kidd M, Eick G, Shapiro MD, Camp RL, Mane SM, **MODLIN IM**. Microsatellite instability and gene mutations in TGF β RII are absent in small bowel carcinoids. *Cancer* 2005, 103:229-36.
- 30) Kidd M, Hinoue T, Eick G, Lye KD, Wei Y, Mane SM, **MODLIN IM**. Global gene expression analysis of enterochromaffin-like cells in the *Mastomys* gastric mucosa identifies alterations in the activator protein-1 pathway. *Physiol Genomics* 2004; 20:131-142.
- 31) **MODLIN IM**, Kidd M, Lye KD, Wright NA. Gastric stem cells: an update. *Keio J Med.* 2003 Jun;52(2):134-7.
- 32) Stalberg P, Granberg D, Carling T, Wilander E, Eriksson B, Gobl A, Akerstrom G, Rastad J, **MODLIN IM**, Oberg K, Skogseid B. In situ RNA-RNA hybridisation of phospholipase C beta 3 shows lack of expression in neuroendocrine tumours. *Anticancer Res.* 2003; 23(3B):2227-32.
- 33) Saikawa Y, Kubota T, Otani Y, Kitajima M, **MODLIN IM**. Alteration of DNA methylation status induced by epidermal growth factor in gastric cancer cell line, MKN-74. *Anticancer Res.* 2003 Jan-Feb;23(1A):143-8.
- 34) **MODLIN IM**, Kidd M. Case study: Ranitidine/Loxidine in “Predictive value of rodent forestomach and gastric neuroendocrine tumors in evaluating carcinogenic risk to humans”. IARC Technical Publication No. 39 (2003):167-176.
- 35) **MODLIN IM**, Kidd M. *Praomys (Mastomys) natalensis* as a model for gastric carcinoids in “Predictive value of rodent forestomach and gastric neuroendocrine tumors in evaluating carcinogenic risk to humans” IARC Technical Publication No. 39 (2003):109-119, 2003.
- 36) Gumbs AA, Bassi C, Moore PS, Falconi M, Frigerio I, Baron A, Piemonti L, **MODLIN IM**, Scarpa A. Overexpression of the Sm-Like Proto-Oncogene in Primary and Metastatic Pancreatic Endocrine Tumors. *JOP. J Pancreas (Online)* 2002; 3:109-115.
- 37) Young GO, Brown S, Stemmet N, Lastovica AJ, Louw JA, Marks IN, **MODLIN IM**, Kidd M. The pepsinogen releasing effect of *Helicobacter pylori* lipopolysaccharide. *Helicobacter* 2002 7:30-38.
- 38) Lauffer JM, Tang LH, Zhang T, Hinoue T, Rahbar S, Odo M, **MODLIN IM**, Kidd M. PACAP mediates the neural proliferative pathway of *Mastomys* Enterochromaffin-like cell transformation. *Regulatory Peptides* 2001; 102:157-164.
- 39) Saikawa Y, Kubota T, Otani Y, Kitajima M, **MODLIN IM**. Cyclin D1 antisense oligonucleotide inhibits cell growth stimulated by epidermal growth factor and induces apoptosis of gastric cancer cells. *Jpn J Cancer Res* 2001; 92:1102-1109.
- 40) Peek RM, Wirth HP, Moss SF, Yang M, Abdalla AM, Tham KT, Zhang T, Tang LH, **MODLIN IM**, Blaser MJ. *Helicobacter pylori* alters gastric epithelial cell cycle events and gastrin secretion in Mongolian gerbils. *Gastroenterol* 2000; 118:48-59.
- 41) Kidd M, Tang LH, **MODLIN IM**, Zhang T, Chin K, Holt PR, Moss S. Gastrin-Mediated Alterations in Gastric Epithelial Apoptosis and Proliferation in a *Mastomys* Rodent Model of Gastric Neoplasia. *Digestion* 2000:62:143-151.
- 42) Kidd M, Tang LH, Schmid S, Lauffer J, Louw JA, **MODLIN IM**. *Helicobacter pylori* Lipopolysaccharide Alters ECL Cell DNA Synthesis via a CD 14 Receptor and Polyamine Pathway in *Mastomys*. *Digestion* 2000:62:217-224.
- 43) Miu K, Sun L, Tang LH, **MODLIN IM**. Influence of *Helicobacter pylori* lipopolysaccharide on the function of enterochromaffin-like cells in vitro. *Zhonghua Nei Ke Za Zhi* 1999; 38:670-672.
- 44) Kolby L, Wangberg B, Ahlman H, **MODLIN IM**, Theodorsson E, Nilsson O. Altered influence of CCK-B/gastrin receptors on HDC expression in ECL cells after neoplastic transformation. *Regul Pept* 1999; 85:115-123.

- 45) Lauffer JM, **MODLIN IM**, Tang LH. Biological relevance of pituitary adenylate cyclase-activating polypeptide (PACAP) in the gastrointestinal tract. *Regul Pept* 1999; 84:1-12.
- 46) **MODLIN IM**, Tang LH. Cell and tumor biology of the gastric enterochromaffin-like cell. *Ital J Gastroenterol Hepatol* 1999; 31 Suppl 2:S117-30.
- 47) Schmid SW, **MODLIN IM**, Tang LH, Stoch A, Rhee S, Nathanson MH, Scheele GA, Gorelick FS. Telenzipine-sensitive muscarinic receptors on rat pancreatic acinar cells. *Am J Physiol* 1998; 274:G734-G741
- 48) **MODLIN IM**, Poulosom R. Trefoil peptides: mitogens, motogens or mirages? *Clin Gastroenterol* 1997; 25 Suppl 1:S94-100
- 49) John KD, Ballantyne GH, **MODLIN IM**. Octreotide acetate inhibits motility in the rabbit distal colon. *Eur Sur Res* 1997; 29:311-8
- 50) Kidd M, Miu K, Tang LH, Perez-Perez GI, Blaser MJ, Sandor A, **MODLIN IM**. Helicobacter pylori lipopolysaccharide stimulates histamine release and DNA synthesis in rat enterochromaffin-like cells. *Gastroenterology* 1997; 113:1110-7
- 51) Tang LH, Luque EA, Efstathiou JA, Bortecen KH, Kidd M, Tarasova NI, **MODLIN IM**. Gastrin receptor expression and function during rapid transformation of the enterochromaffin-like cells in an African rodent. *Regul Pept.* 1997; 72:9-18
- 52) Tsunoda Y, **MODLIN IM**. Signal Transduction machinery of the Parietal Cell Secretory System. *Biomedical Research* 1997, 17: 403-428
- 53) Kolby L, Wangberg B, Ahlman H, **MODLIN IM**, Granerus G, Theodorsson E, Nilsson O. Histidine decarboxylase expression and histamine metabolism in gastric oxyntic mucosa during hypergastrinemia and carcinoid formation. *Endocrinology* 1996; 137: 4435-42
- 54) Wangberg B, Nilsson O, Theodorsson E, **MOLDIN IM**, Dahlstrom A, Ahlman H. The effect of vagotomy on enterochromaffin-like cells in the mastomys natalensis. *J. Autonomic Nervous System* 1996; 59:133-9
- 55) **MODLIN IM**, Zhu ZH, Tang LH, Kidd M, Lawton GP, Miu K, Powers RE, Goldenring JR, Pasikhov D, Soroka CJ. Evidence for a Regulatory Role for Histamine in Gastric Enterochromaffin-Like Cell Proliferation Induced by Hypergastrinemia. *Digestion* 1996, 57: 310-321
- 56) Borin JF, Tang LH, Kidd M, Kiu K, Bortecen KH, Sandor A, **MODLIN IM**. Somatostatin receptor regulation of gastric enterochromaffin-like cell transformation to gastric carcinoid. *Surgery* 1996, 120: 1026-32
- 57) Tang LH, **MODLIN IM**, Lawton GP, Kidd M, Chinery R. The Role of TGF α in the Enterochromaffin-like (ECL) cell Tumour Autonomy in an African Rodent Mastomys. *Gastroenterol* 1996, 111: 1212-1223
- 58) **MODLIN IM**, Tang LH. The Enterochromaffin-like cell: An Enigmatic Cellular Lesion (ECL). *Gastroenterol* 1996, 111: 783-810
- 59) Kidd M, Tang LH, Miu K, Lawton GP, Sandor A, **MODLIN IM**. Autoregulation of Enterochromaffin-like cell Histamine secretion via the Histamine 3 receptor subtype. *Yale J Biol Med* 1996, 69: 9-19.
- 60) Tang LH, **MODLIN IM**. Somatostatin Receptor Regulation of Gastric Carcinoid Tumors. *Digestion* 1996, 57 (Suppl 1): 11-14.
- 61) Goldenring JR, Ray GS, Soroka CJ, Smith J, **MODLIN IM**, Meise K, Coffey RJ. Over-Expression of Transforming Growth Factor- α Alters the Differentiation of Gastric Cell Lineages. *Dig Dis Sci* 1996, 41 (4): 773-784.
- 62) Longley BJ, Tyrrell L, Lu SZ, Ma Y-S, Langley K, Ding T-G, Duffy T, Jacobs P and **MODLIN IM**. Somatic c-KIT Activating Mutation in Urticaria Pigmentosa and Aggressive Mastocytosis; Establishment of Clonality in a Human Mast Cell Neoplasm. *Nature Genetics* 1996; 12 (3):312-314.
- 63) **MODLIN IM**, Lawton GP, Miu K, Kidd M, Luque EA, Sandor A, Tang LH. Pathophysiology of the fundic enterochromaffin-like (ECL) cell and gastric carcinoid tumours. *Ann R Coll Surg Engl* 1996; 78: 133-138.
- 64) Sandor A, Kidd M, Lawton GP, Miu K, Tang LH, **MODLIN IM**. Neurohormonal Modulation of Rat Enterochromaffin-like Cell Histamine Secretion. *Gastroenterology*, 1996; 110:1084-1092.
- 65) Tang LH, Goldenring JR, Caufield T, **MODLIN IM**. A Novel Serine Kinase Activity Associated with Exocrine Secretory Granule Membranes. *Am J Physiol* 1995; 269: G481-489.
- 66) Geibel J, Abraham R, **MODLIN IM**, Sachs G. Gastrin Stimulation of Changes in Intracellular Ca²⁺ in Parietal Cells Depends on Levels of cAMP. *Gastroenterology*, 1995; 109:1060-1067.
- 67) Powers RE, Lawton GP, **MODLIN IM**. Genotoxicity, Carcinogenicity and Acid-Suppressing Medications. *Pharmac. Ther.* Vol. 65, pp. 303-317, 1995.
- 68) Delle Fave G, Helander H, Holt S, **MODLIN IM**, Powers R, Solcia E, Soll A, Tielemans, Wright NA. Acid Suppression and Gastric Mucosal Cell Biology. *Dig Dis Sci* 1995; Vol. 40 (2):121S-131S.

- 69) Wängberg B, Nilsson O, Theodorsson E, **MODLIN IM**, Dalhström A, Ahlman H. Are Enterochromaffin Like Cell Tumours Reversible? An Experimental Study on Gastric Carcinoids Induced in *Mastomys* by Histamine 2-Receptor Blockade. *J Regul Pept* 1995; 56, 19-33.
- 70) Quin JA, Sgambati SA, Goldenring JR, Basson MD, Fielding LP, **MODLIN IM**, Ballantyne GH. PYY Inhibition of VIP-Stimulated Ion Transport in the Rabbit Distal Ileum. *J Surg Res* 1995; 58, 111-115.
- 71) Lawton GP, Tang LH, Miu K, Gilligan CJ, Absood A, **MODLIN IM**. Adrenergic and cromolyn sodium modulation of ECL cell histamine secretion. *J Surg Res* 1995; 58, 96-104.
- 72) Delle Fave G, Helander H, Holt S, **MODLIN IM**, Powers R, Solcia E, Soll A, Tielemans, Wright NA. Acid Suppression and Gastric Mucosal Cell Biology. *Dig Dis Sci* 1994 39 (9):1843-1852.
- 73) **MODLIN IM**, Lawton GP, Tang LH, Geibel J, Abraham, R, Darr U. The *Mastomys* Gastric Carcinoid: Aspects of ECL Cell Function. *Digestion* 1994; 55 (suppl 3):31-37.
- 74) **MODLIN IM**, Geibel J, Tang LH, Goldenring J. Characterization of Parietal Cell Confocal Microscopy. In: *Molecular and Cellular Mechanisms of H⁺ Transport*. Ed. B Hirst. *Nato ASI Series H: Cell Biology Vol. 89*: 329-340. Springer Verlag 1994.
- 75) Boron WF, Waisbren SJ, **MODLIN IM**, Geibel JP. Unique Permeability Barrier of the Apical Surface of Parietal and Chief Cells in Isolated Perfused Gastric Glands. *J Exp Biol* 1994; 196 247-360.
- 76) Goldenring JR, Soroka CJ, Shen KR, Tang LH, Rodriguez W, Vaughn HD, Stoch SA, **MODLIN IM**. Enrichment of rab11, a small GTP-binding protein, in gastric parietal cells. *Am J Physiol* 267 (Gastrointest. Liver Physiol. 30):G187-G194; 1994.
- 77) Basson MD, Beidler DR, Turowski G, Zarif A, **MODLIN IM**, Jena BP, Madri JA. Effect of Tyrosine Kinase Inhibition on Basal and Epidermal Growth Factor-Stimulated Human Caco-2 Enterocyte Sheet Migration and Proliferation. *J Cell Physiol* 160:491-501; 1994.
- 78) **MODLIN IM**, Kumar RR, Soroka CJ, Ahlman H, Nilsson O, Goldenring JR. Histamine as an Intermediate Growth Factor in Genesis of Gastric ECLomas Associated with Hypergastrinemia in *Mastomys*. *Dig Dis Sci*,1994; 39: (7):1446-1453.
- 79) Waisbren SJ, Geibel J, Boron WF, **MODLIN IM**. Luminal perfusion of isolated gastric glands. *Am J Physiol* 266 (Cell Physiol.35): C1013-C1027, 1994.
- 80) Waisbren S, Geibel J, **MODLIN IM**, Boron W. Unusual Permeability Properties of Gastric Gland Cells. *Nature* 1994; 368(6469):332-335.
- 81) Frankel WL, Zhang W, Singh A, Klurfeld DM, Don S, Sakata T, **MODLIN IM**, Rombeau JL. Mediation of the Trophic Effects of Short-Chain Fatty Acids on the Rat Jejunum and Colon. *Gastro* 1994;106:375-380.
- 82) Ballantyne GH, Goldenring JR, Fleming FX, Rush S, Flint JS, Fielding LP, Binder HJ and **MODLIN IM**. Inhibition of vasoactive intestinal polypeptide-stimulated ion transport by a novel Y-receptor phenotype in the rabbit distal colon. *Am J Physiol*, 1993; 264:G848-854.
- 83) Tsunoda Y, **MODLIN IM**, Tyrosine kinase activities in the modulation of stimulated parietal cell secretion. *Am J Physiol*, 1993; 264:G351-G356.
- 84) Chough SP, Goldenring JR, Hurst RD, Ballantyne GH, **MODLIN IM**. Calcium Modulation of the Effects of Serotonin, Carbachol and Histamine on Rabbit Ileal Ion Transport. *Yale J Biol Med*; (66) 1993 pp. 1-16.
- 85) Basson MD, **MODLIN IM**, Turowski G, Madri JA. Enterocyte-matrix interactions in the healing of mucosal injury. *Eur J Gastroenterol & Hepatology* 1993, 5 (suppl 3):S21-S28.
- 86) **MODLIN IM**, Basson MD, Soroka CJ, Wright NA, Poulosom R, Chinnery R, Hanby A, Patel K, Rogers L, Alison M. Ulcer-induced alterations in cell phenotype and matrix and growth factor expression. *European Jo of Gastroenterology & Hepatology* 1993, 5 (suppl 3):S59-S67.
- 87) Tang LH, Miller MD, Goldenring JR, **MODLIN IM**, Hersey SJ. Partial agonism by gastrin for a cholecystokinin receptor mediating pepsinogen secretion. *Am J Physiol*. 265 (Gastrointest. Liver Physio. 28): G865-G872, 1993.
- 88) **MODLIN IM**, Tang LH, Lawton GP, Darr UM, Zhu Z, Soroka CJ. Enterochromaffin-like Cell Pathobiology of *Mastomys*. *Conference on Molecular and Cell Biological Aspects of Gastroenteropancreatic Neuroendocrine Tumor Disease*. *Ann NY Acad Sci*, 1994; 733:365-381.
- 89) Goldenring JR, Shen RK, Vaughan JD, **MODLIN IM**. Identification of a Small GTP-binding Protein, Rab25, Expressed in the Gastrointestinal Mucosa, Kidney, and Lung. *J Biological Chem* 1993; 268:18419-18422.
- 90) Adrian TE, Ballantyne GH, Longo We, Graham S, Basson MD, Tierney RP, **MODLIN IM**. Deoxycholate is a major releaser of peptide YY and enteroglucagon from the human colon. *Gut* 1993;34:1219-1224.
- 91) Ballantyne GH, Goldenring JR, Savoca PE, Kranz HK, Adrian TE, Bilchik AJ, **MODLIN IM**. Cyclic AMP-mediated release of peptide YY (PYY) from the isolated perfused rabbit distal colon. *Regulatory Peptides*; 47 (1993) : 117-122.

- 92) **MODLIN IM**, Tang LH. A new look at an old hormone - gastrin. Elsevier Science Publishing. TEM 1993; 4:2.
- 93) Nilsson B, Wängberg L, Johansson E, Theodorsson E, Dahlstrom A, **MODLIN IM**, Ahlman H. Development of gastric carcinoids in *mastomys* during histamine₂-receptor blockade. Agents Actions 38, Special Conference Issue 1993.
- 94) Nilsson O, Wangberg B, Johansson L, Theodorsson E, Dahlstrom A, **MODLIN IM**, Ahlman H. Rapid induction of enterochromaffinlike cell tumors by Histamine₂ receptor blockade. Am J Pathol 1993; 142:1173-1185.
- 95) Leach SD, Bilchik AJ, Karapetian O, Gorelick FS, **MODLIN IM**. Influence of Chloroquine on diet-induced pancreatitis. Pancreas 1993; 8(1):64-69.
- 96) Characterization of membrane and cytoskeletal compartments in cultured parietal cells: Immunofluorescence and confocal microscopic examination. Eur J Cell Biol 1993; Feb.
- 97) Young GO, Stemmet N, Lastovica A, van der Merwe EL, Louw JA, **MODLIN IM**. Helicobacter pylori lipopolysaccharide stimulates gastric mucosal pepsinogen secretion. Aliment. Pharmacol. Ther. (1992) 6:169-177.
- 98) Tsunoda Y, Funasaka M, **MODLIN IM**, Hidaka H, Fox L, Goldenring J. An inhibitor of Ca²⁺/calmodulin-dependent protein kinase II, KN-62, inhibits cholinergic-stimulated parietal cell secretion. Am J Physiol 1992; 262(25):G118-G122.
- 99) Goldenring JR, Asher VA, Barreuther MF, Lewis JJ, Lohmann SM, Walter U, **MODLIN IM**. Dephosphorylation of cAMP-dependant protein kinase regulatory subunit in stimulated parietal cells. Am J Physiol 1992; 25(4):G763-G773.
- 100) Armstrong DN, Ballantyne GH, **MODLIN IM**. Erythromycin stimulates ileal motility by activation of dihydropyridine-sensitive calcium channels. J Surg Research 1992; 52:140-146.
- 101) Goldenring JR, Tsunoda Y, Stoch SA, Coffey RJ, **MODLIN IM**. Transforming growth factor-alpha (TGFa) inhibition of parietal cell secretion: structural requirements for activity. Reg Pep 1992; 43(1-2):37-47.
- 102) Funasaka M, Fox LM, Tang LH, **MODLIN IM**, Goldenring J. the major calmodulin-binding protein in rabbit parietal cells is CA²⁺/Calmodulin-dependent protein kinase II. Biochem Internat 1992; 27(6):1101-1109.
- 103) Frankel W, Zhang W, Singh A, Klurfeld D, Sakata T, **MODLIN IM**, Rombeau J. Stimulation of the autonomic nervous system (ans) mediates short-chain fatty acid (SCFA) - induced jejunal trophism. Surg Forum 1992; 43:24-25.
- 104) Tang LH, Stoch SA, **MODLIN IM**, Goldenring JR. Identification of rab2 as a tubulovesicle-membrane associated protein in rabbit parietal cells. Biochem J 1992; 285:715-719.
- 105) Basson MD, **MODLIN IM**, Madri JA. Human enterocyte (Caco-2) migration is modulated in vitro by extracellular matrix composition and epidermal growth factor. J Clin Invest 1992; 90(1):15-23.
- 106) **MODLIN IM**, Kumar R, Nangia A, Soroka CJ, Pasikhov D, Goldenring JR. Gastrin-dependent inhibitory effects of octreotide on the genesis of gastric ECLomas. Surgery 1992; 112(6):1048-1058.
- 107) Dempsey PJ, Goldenring JR, Soroka CJ, **MODLIN IM**, McClure RW, Lind CD, Ahlquist DA, Pittelkow MR, Lee DC, Sandgren EP, Page DL, Coffey RJ. Possible role of transforming growth factor a in the pathogenesis of Ménétrier's Disease: Supportive Evidence from Humans and Transgenic Mice. Gastroenterology 1992;103(6):1950-1963.
- 108) Reubi JC, Waser B, Horisberger U, Halter F, Soroka CJ, Kumar RR, Goldenring JR, **MODLIN IM**. Identification of somatostatin and gastrin receptors on enterochromaffin-like cells from Mastomys gastric tumors. Endocrinology 1992; 131(1):166-172.
- 109) Grady T, Saluja AK, Steer ML, Lerch MM, **MODLIN IM**, Powers RE. In vivo and in vitro effects of the AZT analogue dideoxyinosine (ddl) on the exocrine pancreas of the rat. J Pharmacol Exp Ther 1992; 262(1):445-449.
- 110) **MODLIN IM**, Nangia AK. The Pathobiology of the Human Enterochromaffin-Like Cell. Yale J Biol and Med 1992; 65(6):775-792.
- 111) Goldenring JR, Tang LH, **MODLIN IM**. Small GTP-Binding Proteins in Parietal Cells: Candidate Modulators of Parietal Cell Membrane Dynamics. Yale J Biol and Med 1992; 65(6):597-605.
- 112) Gorelick FS, **MODLIN IM**, Leach SD, Carangelo R, Katz M. Intracellular Proteolysis of Pancreatic Zymogens. Yale J Biol and Med 1992; 65(5):407-420.
- 113) Vukasin AP, Ballantyne GH, **MODLIN IM**, Nilsson O, Bilchik AJ, Pernikoff BJ, Blair RM, Adrian TE. Plasma and tissue alterations of peptide YY and enteroglucagon in rats after colectomy. Yale J Biol and Med 1992; 65(1):1-15.
- 114) Basson MD, **MODLIN IM**, Flynn SD, Jena BP, Madri JA. Independent modulation of enterocyte migration and proliferation by growth factors, matrix proteins and pharmacologic agents in an in vitro model of mucosal healing. Surgery 1992; 112(2):299-308.

- 115) Basson MD, Goldenring JR, Tang LH, Lewis JJ, Padfield P, Jamieson J, **MODLIN IM**. Redistribution of 23 kDa tubulovesicle-associated GTP-binding proteins during parietal cell stimulation. *Biochem J* 1991; 279:43-48.
- 116) Leach SE, **MODLIN IM**, Scheele GA, Gorelick F. Intracellular activation of digestive zymogens in rat pancreatic acini: Stimulation by high doses of CCK. *J Clin Invest* 1991; 87(1):362-366.
- 117) Longo WE, Ballantyne GH, Savoca PE, Adrian TE, Bilchik AJ, **MODLIN IM**. Short Chain fatty acid release of peptide YY in the isolated rabbit colon. *Scand J Gastro* 1991; 26:442-448.
- 118) Armstrong DA, Ballantyne GH, Adrian TE, Bilchik AJ, McMillen MA, **MODLIN IM**. Adaptive increase in Peptide YY and enteroglucagon after proctocolectomy and pelvic ileal reservoiric construction. *Dis Col and Rectum* 1991; 34(2):119-125.
- 119) **MODLIN IM**, Esterline W, Kim H, Goldenring JR. Enterochromaffin-like cells and gastric argyophil carcinoidosis. *Acta Oncologica* 1991; 30:493-498.
- 120) Nilsson O, Bilchik AJ, Goldenring JR, Ballantyne GH, Adrian TE, **MODLIN IM**. Distribution and immunocytochemical colocalization of peptide YY and enteroglucagon in endocrine cells of the rabbit colon. *Endocrinology* 1991; 129(1):139-148.
- 121) Armstrong DN, Ballantyne GH, **MODLIN IM**. Peptide YY (PYY) and neuropeptide Y (NPY) reverse VIP inhibition of motility in isolated perfused rabbit ileum. *Surgical Forum* 1991; 42.
- 122) Neville R, Fielding LP, Cambria RP, **MODLIN IM**. Vascular responsiveness in obstructed gut. *Dis Colon & Rectum* Mar 1991; 34:229-235.
- 123) Savoca PE, Ballantyne GH, Bilchik AJ, **MODLIN IM**. Evidence for cholinergic regulation of deoxycholate stimulated PYY release in man. *Diseases of the Colon & Rectum* 1990; 33:31.
- 124) Flint SF, Ballantyne GH, Goldenring JR, Fielding LP, **MODLIN IM**. Neuropeptide Y inhibition of vasoactive intestinal polypeptide-stimulated ion transport in the rabbit distal colon. *Arch of Surgery* 1990; 33:34-35.
- 125) Flint SF, Ballantyne GH, Goldenring JR, Fielding LP, **MODLIN IM**. Peptide YY (PYY) inhibits VIP stimulated ion transport in the distal colon by increasing phosphodiesterase activity. *Surg Forum* 1990; 41:191-193.
- 126) **MODLIN IM**, Basson MD, Adrian TE, Sussman J. Pepsinogen release and acid secretion from human and guinea pig gastric mucosa compromised by hypoxia, endotoxin or critical illness. *Scand J Gastro* 1990; 25(9):861-875.
- 127) Ferrara AF, McMillen MA, Schaefer HC, Goldenring JR, Zucker KA, **MODLIN IM**. Effect of cholecystokinin receptor blockade on human lymphocyte to proliferation. *J Surg Res* 1990; 48:354-357.
- 128) Basson MD, Adrian TE, **MODLIN IM**. Effects of cholecystokinin and cholinergic receptor blockade on guinea pig pepsinogen secretion. *Scand J Gastro* 1990; 25:825-833.
- 129) **MODLIN IM**, Bilchik AJ, Nilsson O, Goldenring JR. Enterochromaffin-like cell tumor induction in mastomys by insurmountable H₂-receptor blockade. *Research & Clin Forums* 1990; 12:59-73.
- 130) Lewis J, Goldenring J, Asher V, **MODLIN IM**. The effects of epidermal growth factor (EGF) on signal transduction in rabbit parietal cells. *Am J Physio* 1990; 258(3 part 1):G476-G483.
- 131) Lewis J, Goldenring J, **MODLIN IM**, Coffey R. Inhibition of parietal cell H⁺ secretion by transforming growth factor alpha: A possible autocrine regulatory mechanism. *Surgery* 1990; 108(2):220-227.
- 132) McMillen M, Ferrara A, Schaeffer H, Goldenring J, Zucker K, **MODLIN IM**. Cholecystokinin Mediates a Calcium Signal in Human Peripheral Blood Mononuclear Cells and Is a Co-mitogen: In Neuropeptides and Immunopeptides: Messengers in a Neuroimmune Axis: In *Annals of the New York Academy of Sciences*. M.Sue O'Dorisio and Alberto Panerai (eds), New York Academy of Sciences, New York 1990; 594:399-402.
- 133) Nilsson O, Bilchik AJ, Adrian TE, **MODLIN IM**. Intra-Ocular Transplantation of Carcinoid Tumours from Mastomys and Humans. *J Path* 1990; 160:347-354.
- 134) Bilchik AJ, Zucker KA, Adrian TE, Sussman J, **MODLIN IM**. Effects of a specific cholecystokinin receptor antagonist in a traumatic model of pancreatitis. *Surg Res Comm* 1990; 8(1):47 - 57.
- 135) Bilchik AJ, Nilsson O, **MODLIN IM**, Zucker KA, Adrian TE. Significance of gastric endocrine tumor and age-related gut peptide alterations in Mastomys. *Reg Pep* 1990; 27 (2):195 - 207.
- 136) Bilchik AJ, Zucker KA, Adrian TE, **MODLIN IM**. Amelioration of cholinergic-induced pancreatitis with a selective cholecystokinin receptor antagonist. *Arch Surg Dec* 1990; 125:1546-1549.
- 137) Savoca PE, Ballantyne GH, Bilchik AJ, Adrian TE, **MODLIN IM**. cAMP mediated release of PYY from the isolated perfused colon: evidence for negative feedback modulation of colonic secretion. *Surgical Forum* 1989; 40:177-180.
- 138) Ballantyne GH, Longo WE, Savoca PE, Adrian TE, Vukasin AP, Bilchik AJ, Sussman J, **MODLIN IM**. Deoxycholate-stimulated release of peptide YY from the isolated perfused rabbit left colon. *Am J Physiol* 1989; 257(5 pt 1): G715-G724.

- 139) Fleming FX, Ballantyne GH, Goldenring JP, Fielding LP, **MODLIN IM**. Paracrine modulation of vasoactive intestinal peptide (VIP) stimulated ion transport by peptide YY in the rabbit distal colon. *Surgical Forum* 1989; 40:184-186.
- 140) Bean AJ, Adrian TE, **MODLIN IM**, Roth RH. Dopamine and neurotensin storage in colocalized and non-colocalized neuronal populations. *J Pharm & Exp Ther* 1989; 249(3):681-687.
- 141) Adrian TE, Goldenring JR, Oddsdottir M, Zdon MJ, Zucker KA, Lewis JJ, **MODLIN IM**. A micro-method for the assay of cellular secretory physiology: Application to rabbit parietal cells. *Anal Biochem* 1989; 182(2):346-352.
- 142) Zdon MJ, Lewis JJ, Adrian TE, **MODLIN IM**. Decreased parietal cell secretory capacity following vagotomy and pyloroplasty. *J Surg Res* 1989; (46):490-495.
- 143) Zucker KA, Bilchik AJ, **MODLIN IM**, Adrian TE. Prostaglandin E analogue inhibition of pancreatic enzyme secretion. *Pancreas* 1989; 4 (6):708-714.
- 144) Zdon MJ, Lewis JJ, Adrian TE, **MODLIN IM**. Hypergastrinemia after vagotomy is not associated with decreased gastric somatostatin. *Surgery* 1989; 106:1074-80.
- 145) Bilchik AJ, Nilsson O, **MODLIN IM**, Sussman J, Zucker KA, Adrian TE. H₂-receptor blockade induces peptide YY and enteroglucagon-secreting gastric carcinoids in mastomys. *Surgery* 1989; 106:1119-27.
- 146) Zucker KA, Adrian TE, Bilchik AJ, **MODLIN IM**. Effects of the CCK receptor antagonist L364,718 on pancreatic growth in adult and developing animals. *Am J Physiol* 1989; 257(4 pt 1):G511-G516.
- 147) **MODLIN IM**, Bilchik AJ, Zucker KA, Adrian TE, Sussman J, Graham SM. Cholecystokinin augmentation of 'surgical' pancreatitis. Benefits of receptor blockade. *Arch Surg* 1989; 124(5):574-578.
- 148) Lewis JJ, Goldenring JR, Asher VA, **MODLIN IM**. Pancreastatin: A novel peptide inhibitor of parietal cell signal transduction. *Biochem Biophys Res Comm* 1989; 163(2):667-673.
- 149) McMillen MA, Schaefer HC, MacArthur JD, Adrian TA, **MODLIN IM**. Cyclosporine inhibits protein kinase C-dependent signals in human peripheral blood lymphocytes. *J Surg Res* 1989; 46:292-295.
- 150) Adrian TE, Zucker KA, Bilchik AJ, **MODLIN IM**. Time course of CCK stimulated acinar secretion and its inhibition by L364718; monitored using a novel micro-method. *Internat J Pancreat* 1989.
- 151) Ballantyne GH, Zdon MJ, Zucker KA, **MODLIN IM**. cAMP and calcium mediated modulation of intrinsic factor secretion in isolated rabbit gastric glands. *J Surg Res* 1989; 46:241-245.
- 152) Basson MD, Fielding L, Bilchik AJ, Zucker KA, Ballantyne GH, Sussman J, Adrian TE, **MODLIN IM**. Does vasoactive intestinal polypeptide mediate the pathophysiology of bowel obstruction? *Am J Surg* 1989; 157(1):109-115.
- 153) Longo WE, Ballantyne GH, Vukasin AP, Bilchik AJ, Adrian TE, **MODLIN IM**. Differential release of peptide YY from colonic cells: A unique, specific, and nonneural mediated mechanism. *Surg Forum* 1988; 39:182-183.
- 154) Zucker KA, Adrian TE, **MODLIN IM**. Current Research Review. Cholecystokinin receptor antagonists. *J Surg Res* 1988; 45:496-504.
- 155) Zucker KA, Adrian TE, Ballantyne GH, **MODLIN IM**. Prostaglandin E analogue inhibition of intrinsic factor release. *Scand J Gastro* 1988; 650-654.
- 156) Lewis JJ, Zdon MJ, Adrian TE, **MODLIN IM**. Pancreastatin: A novel peptide inhibitor of parietal cell secretion. *Surgery* 1988; 104:1031-1036.
- 157) Oddsdottir M, Goldenring JR, Adrian TE, Zdon MJ, Zucker KA, **MODLIN IM**. Identification and characterization of a cytosolic 30 kDa histamine stimulated phosphoprotein in parietal cell cytosol. *Biochem Biophys Res Comm* 1988; 154(2): 489-496.
- 158) Basson MD, Sussman J, Adrian TE, **MODLIN IM**. Association of massive pepsin release with "stress" gastritis. *Surg Forum* 1988; 39:125-127.
- 159) Basson MD, Adrian TE, **MODLIN IM**. Dissociation of pepsinogen and acid secretion in the guinea pig. *Gastroenterology* 1988; 95(2):321-326.
- 160) Rackoff PJ, Zdon MJ, Tyshkov M, **MODLIN IM**. Epidermal growth factor (EGF) inhibits both intrinsic factor secretion and acid secretion in histamine-stimulated isolated gastric glands. *Reg Pep* 1988; 21: 279-287.
- 161) **MODLIN IM**, Zucker KA, Zdon MJ, Sussman J, Adrian TE. Characteristics of the spontaneous gastric endocrine tumor of Mastomys. *J Surg Res* 1988; 44:205-215.
- 162) Adrian TE, Ballantyne GH, Zucker KA, Zdon MJ, Tierney R, **MODLIN IM**. Lack of peptide YY immunoreactivity in adenomatous colonic polyps: evidence in favor of an adenoma-carcinoma sequence. *J Surg Res* 1988; 44:561-565.
- 163) Basson MD, Zucker KA, Adrian TE, Zdon MJ, Ballantyne GH, **MODLIN IM**. Pepsin release by prostaglandin E₁ analogue: A potential therapeutic problem. *Arch Surg* 1988; 123(4): 431-433.

- 164) Ballantyne GH, Esterline WJ, Zdon MJ, Zucker KA, Adrian TE, **MODLIN IM**. Histamine stimulated acid secretion in the isolated perfused porcine stomach: An in vitro model of acid secretion. *Surg Res Comm* 1988; 3:199-206.
- 165) Basson MD, **MODLIN IM**. Current Research Review: Pepsinogen: Biological and pathophysiologic significance. *J Surg Res* 1988; 44: 82-97.
- 166) Goldenring JR, Oddsdottir M, **MODLIN IM**. A novel protein kinase activity in rabbit gastric gland cytosol. *Biochem Biophys Res Commun* 1987; 142: 559-566.
- 167) **MODLIN IM**, Schafer DE, Ballantyne GH, Fratesi GR, Tyshkov M, Zdon MJ. Isolated gastric glands in the study of gastric secretory relationships. *Surg Res Comm* 1987; 1(2):81-96.
- 168) Zucker KA, Zdon MJ, Adrian TE, Ballantyne GH, **MODLIN IM**. Prostaglandin inhibition of acid is cAMP dependent. *J Surg Res* 1987; 42:513-520.
- 169) Zucker KA, Adrian TE, Sussman JE, **MODLIN IM**. New potent cholecystokinin antagonists block cerulein-induced pancreatitis. *Surg Forum* 1987; 38:142-144.
- 170) Zucker KA, Adrian TE, Zdon MJ, Ballantyne GH, **MODLIN IM**. Asperlicin: A unique non-peptide cholecystokinin antagonist. *Surgery* 1987; 102(2):163-170.
- 171) Zdon MJ, **MODLIN IM**, Ballantyne GH, Zucker KA, Rackoff P. Proton pump inhibition as evidence for separate intracellular mechanisms of acid and intrinsic factor secretions. *Surg Res Commun* 1987; 1(4):293-302.
- 172) Zdon MJ, Zucker KA, Adrian TE, **MODLIN IM**. Somatostatin analogue inhibition of isolated parietal cell secretion. *Surgery* 1987; 102:967-973.
- 173) Oddsdottir M, **MODLIN IM**, Zucker KA, Zdon MJ, Goldenring JR. A Calmodulin-dependent kinase in parietal cells. *Biochem Biophys Res Commun* 1987; 148:1390-1397.
- 174) **MODLIN IM**, Oddsdottir M, Adrian TE, Zdon MJ, Zucker KA, Goldenring JR. A specific histamine-stimulated phosphoprotein in isolated parietal cells. *J Surg Res* 1987; 42:348-353.
- 175) Cambria RP, Neville R, Ballantyne GH, Zdon MJ, Zucker KA, Adrian TE, **MODLIN IM**. Somatostatin and analogs lack splanchnic vasoconstrictive effects in anesthetized pigs. *J Surg Res* 1987; 43:452-459.
- 176) Basson MD, Adrian TE, **MODLIN IM**. Physiologic significance of cholecystokinin in mammalian pepsinogen secretion. *Surg Forum* 1987; 38:116-118.
- 177) Oddsdottir M, Ballantyne GH, Adrian TE, Zdon MJ, Zucker KA, **MODLIN IM**. Somatostatin inhibition of intrinsic factor secretion from isolated guinea pig gastric glands. *Scand J Gastroenterol* 1987; 22:233-238.
- 178) Ballantyne GH, Zdon MJ, Schafer DE, Fratesi GR, Roberts JR, Tyshkov M, **MODLIN IM**. Evidence for dual modulation of pepsinogen secretion using Isoproterenol, Carbachol, CCK-8, Forskolin, 8 Bromo-cAMP, and A23187 probes. *Ann Surg* 1986, 204(5):559-565.
- 179) Goldenring JR, **MODLIN IM**, Tyshkov M, Zdon MJ, Schafer DE, Ballantyne GH. A manganese-dependent protein kinase in gastric gland cytosol. *Surgery* 1986; 100(2):181-187.
- 180) Oddsdottir M, Goldenring JR, Tyshkov M, Zucker KA, Zdon MJ, **MODLIN IM**. Characterization of a parietal cell cytosolic calmodulin-dependent kinase system. *Surg Forum* 1986; 37:177-179.
- 181) Ballantyne GH, Zdon MJ, Zucker KA, Tyshkov M, Fratesi GR, Schafer DE, **MODLIN IM**. Vasoactive intestinal peptide (VIP) augments cholecystokinin-8- (CCK-8) stimulated pepsinogen secretion: Evidence for dual modulation of chief cell function. *J Surg Res* 1986; 40(6):617-623.
- 182) **MODLIN IM**, Fratesi GR, Schafer DE, Zdon MJ, Ballantyne GH, Tyshkov M. Paradoxical effect of trifluoperazine, a calmodulin antagonist, on pepsinogen secretion. *J Surg Res* 1986; 40(6):624-631.
- 183) Zdon MJ, Ballantyne GH, Schafer DE, Tyshkov M, Cambria RP, **MODLIN IM**. Proton Pump Inhibition - The Ultimate Control of Acid Secretion? *J Surg Res* 1986; 40:353-361.
- 184) Zdon MJ, Ballantyne GH, Schafer DE, Tyshkov M, Cambria RP, **MODLIN IM**. Evidence for non-gastrin mediated somatostatin inhibition of parietal cell function. *Surgery* 1986; 100(6):954-961.
- 185) **MODLIN IM**, Schafer DE, Tyshkov M, Ballantyne GH, Fratesi GR, Roberts JR, Zdon MJ. Forskolin-dependent (cyclic adenosine monophosphate) protein phosphorylation in isolated gastric glands. *Arch Surg* 1986; 121(3):330-337.
- 186) Fratesi GR, Zdon MJ, Ballantyne GH, Schafer DE, Roberts JR, Tyshkov M, **MODLIN IM**. Isolated gastric glands: An in-vitro model of gastric secretion. *Curr Surg* 1986; 43(3):205-207.
- 187) Ballantyne GH, Zdon MJ, Schafer DE, Fratesi GR, Roberts JR, Tyshkov M, **MODLIN IM**. Evidence for dual modulation of pepsinogen secretion using isoproterenol, carbachol, CCK-8, Forskolin, 8 Bromo-cAMP and A23187 probes. *Ann Surg* 1986; 204(5):559-565.
- 188) Ballantyne GH, **MODLIN IM**, Zdon MJ, Tyshkov M, Fratesi GR, Schafer DE. Intracellular modulation of parietal cell macromolecular secretion. *Surg Forum* 1985; 36:128-130.
- 189) Zdon MJ, Ballantyne GH, Schafer DE, Fratesi GR, Roberts JR, Tyshkov M, **MODLIN IM**. The effects of cholecystokinin on parietal cell secretion in isolated gastric glands. *Surgery* 1985; 98(6):1038-1044.

- 190) **MODLIN IM**, Albert DL, Crochelt R, Sank A, Materia A, Jaffe BM. Bombesin and insulin stimulated pancreatic polypeptide release as a discriminator of vagal integrity. *Surg Gynecol Obstet* 1983 Jun; 156(6):729-736.
- 191) Valenzuela JE, Lamers CB, **MODLIN IM**, Walsh JH. Cholinergic component in the human pancreatic secretory response to intraintestinal oleate. *Gut* 1983; 24(9): 807-811.
- 192) Weber C, **MODLIN IM**, DiBella F, LoGerfo P, Hardy M, Feind C, Reemtsma K. Pancreatic polypeptide (PP) immunoreactivity in human parathyroid culture media. *J Surg Res* 1983; 35(5): 21-425.
- 193) **MODLIN IM**, Jaffe BM, Albert D, Sank A, Materia A, Crochelt R. Cholinergic stimulation of pancreatic polypeptide release by a meal, bombesin, neurotensin, tetragastrin, cholecystokinin and cerulein. *J Surg Res* 1983; 35(2):113-118.
- 194) Mitchell JJ, **MODLIN IM**, D'Sa AA, Barros SR, Bloom SR. Pharmacokinetics of VIP in dog and pig. *Experientia* 1982; 38(9):1091-1093.
- 195) Materia A, Jaffe BM, **MODLIN IM**, Sank A, Albert D. Effect of methionine-enkephalin and naloxone on bombesin-stimulated gastric acid secretion, gastrin, and pancreatic polypeptide release in the dog. *Ann Surg* 1982; 196(1):48-52.
- 196) Materia A, **MODLIN IM**, Sank AC, Albert D, Jaffe BM. Opiate modulation of pancreatic polypeptide release by a meal in the dog. *J Pharmacol Exp Ther* 1982; 223(2):355-358.
- 197) Zinner MJ, Kasher F, **MODLIN IM**, Jaffe BM. Effect of xenopsin on regional blood flow, hormone release and gastric acid secretion. *Am J Physiol* 1982; 243(3): G195-G199.
- 198) Jaffe BM, Akande B, **MODLIN IM**, Albert D, Reilly P. Cholinergic modulation of substance P release. *Dig Dis Sci* 1982 Jan; 27(1): 28-32.
- 199) Sank AC, **MODLIN IM**, Jaffe BM, Albert DL, Crochelt R. Unreliability of bombesin as a diagnostic test for retained antrum. *Surg Forum* 1981; 32: 214-216.
- 200) **MODLIN IM**, Albert DL, Crochelt R, Sank AC, Materia A, Jaffe BM. Bombesin and insulin stimulated pancreatic polypeptide release as a discriminator of vagal integrity. *Surg Forum* 1981; 32:211-214.
- 201) Albert DL, Koenig M, Crochelt R, Sank A, Materia A, **MODLIN IM**, Andersen DK. Enhancement of sensitivity to insulin by pancreatic resection. *Surg Forum* 1981; 32:205-207.
- 202) **MODLIN IM**, Albert D, Crochelt R, Sank A, Jaffe BM. Evidence for an intestinal mechanism of pancreatic polypeptide release. *Dig Dis Sci* 1981; 26(7):587-590.
- 203) **MODLIN IM**, Albert D, Sank A, Materia A, Crochelt R, Jaffe BM. Role of the antrum in the modulation of plasma pancreatic polypeptide levels. *J Surg Res* 1981; 30(3):269-275.
- 204) Materia A, **MODLIN IM**, Albert D, Sank A, Crochelt RF, Jaffe BM. Effect of somatostatin and 16,16-Dimethyl-prostaglandin E₂ on bombesin-stimulated canine gastric acid, plasma gastrin and pancreatic polypeptide secretion. *Regul Pep* 1981; 1(4): 297-305.
- 205) **MODLIN IM**, Lamers CBH, Walsh JH. Stimulation of canine pancreatic polypeptide, gastrin and gastric acid secretion by ranatensin, litorin, bombesin nonapeptide and substance P. *Regul Pept* 1981; 1(4):279-288.
- 206) **MODLIN IM**, Ehrlich BE, Lamers CBH, Diamond JM, Walsh JH. Variable effect of lithium on canine pancreatic polypeptide and gastrin release by a meal or bombesin. *Digestion* 1981; 22(4):177-184.
- 207) **MODLIN IM**, Albert D, Sank A. Current aspects of gut hormones. *J Surg Res* 1981; 30(6):602-618.
- 208) Varner AA, **MODLIN IM**, Walsh JH. High potency of bombesin for stimulation of human gastrin release and gastric acid secretion. *Regul Pept* 1981; 1(4):289-296.
- 209) **MODLIN IM**, Lamers CHB, Walsh JH, Jaffe BM. Bombesin - a vagally independent stimulator of gastrin release. *Am J Surg* 1981; 141(1): 98-104.
- 210) Akande B, Reilly P, **MODLIN IM**, Jaffe BM: RIA measurement of Substance P following a meat meal. *Surgery* 1981; 89(3): 378-383.
- 211) **MODLIN IM**, Lane FC, Albert D, Sank A, Crochelt R, Beyer M, Jaffe BM. Failure of pancreatic polypeptide release by pancreatic transplants. *Surg Forum* 1980; 31:209-210.
- 212) Morley JE, Varner A, **MODLIN IM**, Carlson HE, Braunstein GD, Walsh JH, Herschman JM. Failure of bombesin to alter anterior pituitary hormone secretion in man. *Clin Endocrinol* 1980; 13(4):369-373.
- 213) **MODLIN IM**, Lamers CBH, Jaffe BM. Evidence for cholinergic dependence of pancreatic polypeptide (PP) release by bombesin - a possible application. *Surgery* 1980; 88(1):75-85.
- 214) **MODLIN IM**, Jaffe BM. The clinical usefulness of glucagon. *Surgery* 1980; 87(4):470-472.
- 215) **MODLIN IM**, Lamers CBH, Walsh JH. Mechanisms of gastrin release by bombesin and food. *J Surg Res* 1980; 28(6): 539-546.

- 216) Christofides ND, Sarson DL, Albuquerque RH, Adrian TE, Ghatei MA, **MODLIN IM**, Bloom SR. Release of gastrointestinal hormones following an oral water load. *Experientia* 1979; 35(11): 1521-1523.
- 217) **MODLIN IM**, Lamers C, Shulkes A, Walsh JH. Release of vasoactive intestinal polypeptide (VIP) from the pancreas. *Surg Forum* 1979; 30:405-407.
- 218) **MODLIN IM**, Bloom SR. VIP and the WDHA syndrome. *Gastroenterology* 1979; 76(5):1078-1079.
- 219) Christofides ND, **MODLIN IM**, Bloom SR. Effect of motilin on the rate of gastric emptying and gut hormone release during breakfast. *Gastroenterology* 1979; 76: 903-907.
- 220) **MODLIN IM**, Hansky J, Singer M, Walsh JH. Evidence that the cholinergic enteropancreatic reflex may be independent of cholecystokinin release. *Surgery* 1979; 86(2):352-361.
- 221) Christofides N, **MODLIN IM**, Sarsin D, Adrian T, Bloom SR. The release of gastrin, PP, VIP, and motilin after an oral water load and atropine in man. *Clin Sci Mol Med* 1978; 75(6):1051-1054.
- 222) **MODLIN IM**, Mitchell SJ, Bloom SR. Experimental evidence for vasoactive intestinal peptide as the cause of the watery diarrhea syndrome. *Gastroenterology* 1978; 75(6):1051-1054.
- 223) **MODLIN IM** Mitchell S, Bloom SR. Plasma vasoactive intestinal polypeptide (VIP) levels and intestinal ischaemia. *Experientia* 1978; 34(4): 535-536.
- 224) **MODLIN IM**, Bloom SR, Mitznegg P. Motilin release in the pig. *Gut* 1978; 19(5): 399-402.
- 225) Bryant MG, Polak JM, **MODLIN IM**, Bloom SR, Albuquerque RH, Pearse AG. Possible dual role for vasoactive intestinal peptide as a gastrointestinal hormone and neurotransmitter substance. *Lancet* 1976 May; 1(7967):991-993.

D. HISTORICAL ARTICLES

- 1) Drozdov I, **MODLIN IM**, Kidd M, Golubinov VV. Nikolai Konstantinovich Kulchitsky (1865-1925). *J Med Biography* 2009; 17(1):47-54.
- 2) Drozdov I, **MODLIN IM**, Kidd M, Golubinov VV. From Leningrad to London: The saga of Kulchitsky and the legacy of the enterochromaffin cell. *Neuroendocrinology* 2009; 89(1):1-12.
- 3) Drozdov I, Kidd M, **MODLIN IM**. Hand Amputations and the Piano, or how diminuendo of the right hand led to fortissimo of the left. *J Hand Surgery* 2008; 33:780-6.
- 4) Malfertheiner MV, Fill S, Kidd M, **MODLIN IM**. The elucidation of peptic esophagitis: From Hamperl to Heartburn. *Zeitschrift fur Gastroenterologie* 2007; 45:1164-8.
- 5) Kloppel G, Dege K, Remmele W, Kapran Y, Tuzlali S, **MODLIN IM**. Siegfried Oberndorfer: a tribute to his work and life between Munich, Kiel, Geneva and Istanbul. *Virch Arch* 2007, Supp1:S3-7.
- 6) **MODLIN IM**, Kidd M, Shapiro M, Eick G. Oberndorfer and the Evolution of Carcinoid Disease. *Archives Surgery* 2007; 142: 187-97.
- 7) **MODLIN IM**, Champaneria MC, Bornschein J, Kidd M. The evolution of the diffuse neuroendocrine system – clear cells and cloudy origins. *Neuroendocrinology* 2006; 84:69-82.
- 8) Champaneria M, **MODLIN IM**, Kidd M, Eick G. Frederick Feyrter: A precise intellect in a diffuse system. *Neuroendocrinol* 2006; 83:394-404.
- 9) **MODLIN IM**, Sachs G, Wright NA, Kidd M. Eddins and a Century of Acid Suppression. *Digestion* 2005; 72:129-145.
- 10) **MODLIN IM**, Shapiro MD, Kidd M. Siegfried Oberndorfer - Origins and Perspectives of Carcinoid Tumors. *Human Pathology* 2004; 35:1440-51.
- 11) **MODLIN IM**, M Kidd, K Lye. From the Lumen to the Laparoscope. *Arch Surg* 2004; 139: 1110-26.
- 12) **MODLIN IM**, Kidd M, Lye KD. Historical perspectives on the treatment of gastroesophageal reflux disease. *Gastrointest Endosc Clin N Am.* 2003 Jan;13(1):19-55, vii-viii.
- 13) **MODLIN IM**, Kidd M, Lye KD. Perspectives and reflections on integrated digestive surgery. *Best Pract Res Clinical Gastroenterology* 2002; 16:885-914.
- 14) **MODLIN IM**, Kidd M, Lye KD. Amsterdam and Netherlands Gastroenterology: a historical perspective. *Best Pract Res Clinical Gastroenterology* 2002; 16:971-998.
- 15) **MODLIN IM**, Kidd M, Hults C, Hinoue T. The surgery of chronic pancreatitis – A chronicle of confusion and despair? *World J Surg* 2002; 12:1382-1396.
- 16) **MODLIN IM**, Kidd M, Hinoue T. Of Fibiger and fables: cockroaches and *Helicobacter pylori*. *J Clin Gastroenterol* 2001; 33:177-179.
- 17) **MODLIN IM**, Kidd M. Ernest Starling and the discovery of secretin. *J Clin Gastroenterol* 2001; 32: 187-193.
- 18) Kidd M, **MODLIN IM**. Van Swieten and the Renaissance of the Vienna Medical School. *World J of Surgery* 2001; 25: 444-450.
- 19) **MODLIN IM**, Kidd M. Ernest Starling and the discovery of secretin. *J Clin Gastroenterol* 2001; 32:187-192.

- 20) **MODLIN IM.** The Quincunx of Surgery. Nippon Geka Gakkai Zasshi. 2000; 101:264-265.
- 21) **MODLIN IM,** Kidd M, Farhadi J. Bayliss and Starling and the nascence of endocrinology. Reg Pep 2000; 25: 109-123.
- 22) **MODLIN IM,** Farhadi J. Rudolf Schindler—A Man for All Seasons. J Clin Gastroenterol, September 2000, v. 31:(2):95-102.
- 23) Kidd M, **MODLIN IM.** From Bontius to Boerhaave – The Leiden Luminati. World J of Surgery 1999; 23: 1307-1314.
- 24) Kidd M, **MODLIN IM.** Frederick Ruysch - Depictor of the surreality of death. J Med Biog 1999; 7: 69-77
- 25) Kidd M, **MODLIN IM.** A century of *Helicobacter pylori*. Paradigms Lost - Paradigms regained. Digestion 1998; 59:1-15.
- 26) **MODLIN IM.** Surgical triumvirate of Theodor Kocher, Harvey Cushing and William Halsted. World J Surg 1998; 22:103-113.
- 27) **MODLIN IM,** Kidd M, Sandor A. The influence of Theodor Kocher on American Surgeons. Digestive Surgery 1997; 14:469-482.
- 28) **MODLIN IM,** Kidd M, Marks IN, Tang LH. The Pivotal Role of JS Edkins in the Discovery of Gastrin. World J Surg 1997, 21: 226-234
- 29) **MODLIN IM.** The Surgical Legacy of Arris and Gale. Journal of Medical Biography, 1996, 4: 191-199
- 30) **MODLIN IM,** Lawton GP. Observations on the Gastric Illuminati. Perspectives Biol Med 1996, 39 (4) 527-543
- 31) Sandor J, Sandor A and **MODLIN IM.** Eugene Pólya: The Billroth of Budapest. J Am Coll Surg 1995; 181:352-362.
- 32) **MODLIN IM,** Basson MD. The Lester Dragstedt Centennial. J Am Coll Surg 1994, 179(1) 84-102.
- 33) Begos DG, **MODLIN IM,** Ballantyne GH. A Brief History of Intestinal Surgery. In: Perspectives in Colon and Rectal Surgery, 1994; 7: (1):133-157.
- 34) **MODLIN IM,** Ahlman H. Oddi: The Paradox of the Man and the Sphincter. Arch Surg, 1994;129:549-556.
- 35) Waisbren SJ, **MODLIN IM.** Lester R. Dragstedt and His Role in the Evolution of Therapeutic Vagotomy in the United States. Am Jo Surg, Vol. 167 (3), 1994; 344-359.
- 36) John KD, **MODLIN IM.** A Brief Historical Perspective and A Comparison Of The Current Systems of Surgical Training in Great Britain, Germany and the United States of America. SGO Vol 177 (6):622-632, 1993.
- 37) **MODLIN IM,** Waisbren SJ. Pavlov in the USA. Gastro Int Vol 6(1):48-53, 1993.
- 38) **MODLIN IM,** Shin JH. Harvey Cushing: First Guest at "The Divine Banquet of the Brayne". Surgery 1993; 113:438-55.
- 39) Waisbren SJ, **MODLIN IM.** The Evolution of Therapeutic Vagotomy. Surg Gynecol & Obstet 1990; 170:261-272.
- 40) **MODLIN IM.** From Prout to the proton pump - a history of the science of gastric acid secretion and the surgery of peptic ulcer. Surg Gynecol & Obstet 1990; 170(1):81-96.

E. MEDICAL HISTORICAL BOOKS

- 1) **MODLIN IM** and Kidd M. *The Art of Dutch Medicine*, Drukkerij Koopmans, Netherlands, 2004.
- 2) **MODLIN IM** and Kidd M. *Diverse and Sundry reflections on British Medicine with especial attention to Gastroenterology*: Sudler & Hennessey, London, 2004.
- 3) **MODLIN IM** and Kidd M. *The Paradox of the Pancreas: from Wirsung to Whipple*. Politzki Print Productions: Hanover, 2003.
- 4) **MODLIN IM.** *The Evolution of Therapy in Gastroenterology*. Sudler & Hennessey: Toronto, 2002.
- 5) **MODLIN IM.** *A History of Gastroenterology at the Millenium*. Milan 2000. pg 1-177
- 6) **MODLIN IM.** *A Brief History of Endoscopy*. Multi Med Milan. 2000. p1-144
- 7) **MODLIN IM.** *The Medical legacy of Leiden-From Boerhaave to Bontius* 1998. Pg 1-145
- 8) **MODLIN IM.** *The Doctors of the Dutch From Donders to Dicke*. 1998. pg 1-130
- 9) **MODLIN IM.** *The Medici of Rome –The Glory of Galen* 1998. pg 1-165
- 10) **MODLIN IM.** *The Medical Vintage of Vienna*. Schnetzor-Verlag, GmbH Konstanz. 1998.pg 1-175
- 11) **MODLIN IM.** *New Orleans. Medicine on the Mississippi*. Schnetzor-Verlag, GmbH Konstanz. 1997.pg 1-138
- 12) **MODLIN IM.** *The Medical Barbers of Birmingham. Withering, Tait and the Lunar Great*. Schnetzor-Verlag, GmbH Konstanz. 1997. pg 1-147
- 13) **MODLIN IM.** *Tales from the Tagus*. Schnetzor-Verlag, GmbH Konstanz. 1997. pg 1-136

- 14) **MODLIN IM.** *Medical milestones on the Potomac.* Schnetzor-Verlag, GmbH Konstanz. 1997. pg 1-140

F. SCIENTIFIC TEXTBOOKS

- 1) **MODLIN IM** and SACHS G, *Acid Related Diseases-Biology and Treatment* .Schnetzor Verlag 2004. Second Edition p1-522.
- 2) **MODLIN IM** and SACHS G, *Acid Related Diseases-Biology and Treatment* .Schnetzor Verlag 1998. p1-368.
- 3) **MODLIN IM**, Ballantyne G, Lehy P. *Textbook of Laparoscopic Surgery.* Lippincott. 1993

G. BOOK CHAPTERS

- 1) **MODLIN IM**, Gustafsson BI, Kidd M. *Neuroendocrine Tumors of the GI Tract: An appraisal of the past and perspectives for the future* in "The Oxford Textbook of Endocrinology and Diabetes" Meeran K, Bloom S (eds) Oxford University Press (2nd edition) (in press).
- 2) **MODLIN IM**, Kidd M, Malfertheiner MV, Gustafsson BI. *Gastric Neuroendocrine Neoplasia* in "The Biology of Gastrointestinal Cancers" Wang TC, Fox JG, Giraud A (eds) Springer-Verlag, NY 2008; 185-216.
- 3) Oberg K, **MODLIN IM**. Non-functioning pancreatic endocrine tumors in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p88-99.
- 4) Black JW, Kidd M, **MODLIN IM**. *Gastrin, neoplasia and the role of gastrin antagonists* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p388-97.
- 5) Gustafsson BI, Kidd M, **MODLIN IM**. *Bronchopulmonary Carcinoid Tumors* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p54-65.
- 6) **MODLIN IM**, Oberg K, Chung DC, Jensen RT, de Herder WW, Thakker RV, Caplin M, Delle Fave G, Kaltsas GA, Kidd M, Krenning EP, Moss SF, Nilsson O, Rindi G, Salazar R, Ruszniewski P, Sundin A. *The Current status of Gastroenteropancreatic Neuroendocrine Tumors* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p4-21.
- 7) Gustafsson BI, Kidd M, Drozdov I, **MODLIN IM**. *The Enterochromaffin cell* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p178-91.
- 8) **MODLIN IM**, Shapiro MD, Kidd M, Drozdov I, Gustafsson BI. *Siegfried Oberndorfer and the Origins of Carcinoid Tumors* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p22-39.
- 9) **MODLIN IM**, Drozdov I, Gustafsson BI, Oberg K, Kidd M. *Rectal Neuroendocrine Tumors – Diagnosis and Treatment* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p124-133.
- 10) Gustafsson BI, Kidd M, **MODLIN IM**. *Small Intestinal Neuroendocrine Tumors* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) (2008) p100-11.
- 11) Kidd M, Malfertheiner M, **MODLIN IM**. *ECL cells: CCN2 – a clue or a conundrum* in "Oberndorfer Centennial" Modlin IM (eds) (2008) p254-67.
- 12) Gustafsson BI, Hauso O, Kidd M, **MODLIN IM**. *Carcinoid Heart Disease* in "Oberndorfer Centennial" Modlin IM (eds) (2008) p298-303.
- 13) **MODLIN IM**, Bornschein M, Kidd M. *Gastrointestinal carcinoids* in "Gastrointestinal Oncology – A multidisciplinary approach" Jankowski JA, Sampliner R, Kerr D, Fong Y (eds) (2007) (in press).
- 14) **MODLIN IM**, Kidd M, Champaneria MC, Chan A. *Historical perspectives of surgery for pancreatic tumors* in "Surgery of Pancreatic Tumors" Shrikande SV, Buchler MW (eds) (2007)
- 15) **MODLIN IM**, Champaneria MC, Chan A, Kidd M. *Endocrine tumors of the pancreas* in "Surgery of Pancreatic Tumors" Shrikande SV, Buchler MW (eds) (2007)
- 16) **MODLIN IM**, Latich I, Drozdov I, Bornschein J, Kidd M. *Somatostatin analog therapy* in "Molecular targeting in oncology. Kaufman HL (ed) Humana Press (2008)
- 17) **MODLIN IM**, Champaneria MC, Chan A, Kidd M, Eick G. *The history of the pancreas* in "The Pancreas (2nd edition)" Beger HW, Buchler MW (eds) Blackwell (2008)).
- 18) **MODLIN IM**, Latich I, Kidd M, Zikusoka MN, Eick G, Champaneria MC, Chan A. *Overview of therapeutic options for Gastrointestinal carcinoids.* ASCO Educational Handbook (2007).
- 19) **MODLIN IM**, Kidd M, Eick G, Latich I, Zikusoka MN. *Gastric Carcinoid and the ECL cell* in "From Gastrin to GERD – A Century of Acid Suppression", Felsenstein CCCP, Hannover 2006; 68-81.
- 20) **MODLIN IM**, Kidd M, Eick G, Latich I, Zikusoka MN. *Edkins and a Century of Gastrin* in "From Gastrin to GERD – A Century of Acid Suppression", Felsenstein CCCP, Hannover 2006; XXXII-XLVI.

- 21) **MODLIN IM**, Zikusoka MN, Kidd M, Latich I, Eick G, Romanyshyn JC. *The History and Epidemiology of Neuroendocrine Tumors* in "Handbook of Neuroendocrine Tumors", London 2006 (in press).
- 22) **MODLIN IM**, M Kidd, K Lye. *Radio-labeled Octreotide for treatment of endocrine and other tumors* in "Progress in Oncology" DeVita VT, Jr., Hellman S, Rosenberg SA (eds). Jones and Bartlett: Sudbury, 2004;169-209.
- 23) **MODLIN IM**, K Lye, M Kidd. *Carcinoid Tumors "Endocrinologic Surgery"*, Marcel Dekker, New York 2003, Chapter 51: 611-639.
- 24) Hirshowitz BI, **MODLIN IM**. *The History of Endoscopy: The American Perspective* in "Gastroenterological Endoscopy." Classen M, Tytgat GN, Lightdale CJ (Eds). Thieme, Stuttgart, Germany 2002: 2-16.
- 25) **MODLIN IM**. Hults C, Kidd M, Hinoue T. *A brief history of chronic pancreatitis* in "Chronic Pancreatitis." Buchler MW and Freiss H (eds). Blackwell, Berlin, Germany, 2001:3-26.
- 26) Schmid SW, Buchler MW, Kidd M, **MODLIN IM**. *Acute pancreatitis* in "Evidence-based Gastroenterology." Irvine JE and Hunt RH (eds). BC Decker Inc. Publisher, Ontario Canada, 2001:422-433.
- 27) **MODLIN IM**, Schmid SW, Tang LH, Farhadi J, Buchler M. *Endocrine Tumors of the Pancreas* in "Pancreatic Tumors: Achievements and Prospective." Dervenis CG and Bassi C (Eds). Thieme, Stuttgart, Germany 2000:332-353.
- 28) **MODLIN IM**, Fahardi J, Kidd M. *From the pump to the Helix* in "*Helicobacter pylori* – Basic mechanisms to clinical cure." Hunt RH and Tytgat GNJ (Eds). Kluwer Academic Publishers, London UK 2000:347-372.
- 29) Schmid SW, Tang LH, Kidd M, **MODLIN IM**. *Muscarinic receptors on the pancreatic acinar cell* in "Acute pancreatitis: novel concepts in biology and therapy." Buchler MW and Uhl W (Eds). Blackwell, Berlin, Germany 1999:21-26.
- 30) Gorelick FS, **MODLIN IM**, Schmid SW. Activation of muscarinic receptors on the rat pancreatic acinar cell is associated with cell injury. Buchler MW and Uhl W (Eds). Blackwell, Berlin, Germany 1999:27-35.
- 31) Schmid SW, Uhl W, Kidd M, **MODLIN IM**, Buchler MW. *Experimental models of acute pancreatitis and their clinical relevance* in "Acute pancreatitis: novel concepts in biology and therapy." Buchler MW and Uhl W (Eds). Blackwell, Berlin, Germany 1999:51-62.
- 32) **MODLIN IM**. Schmidt S, M Buchler, *Management of Pancreatitis*, Evidence Based Medicine 2000
- 33) **MODLIN IM**, Kidd M, Miu K, Tang LH. *The effect of Helicobacter pylori on enterochromaffin-like (ECL) cell function* in "*Helicobacter pylori* – Basic mechanisms to clinical cure." Hunt RH and Tytgat GNJ (Eds). Kluwer Academic Publishers, London UK 1998: 176-187.
- 34) **MODLIN IM**, Kidd M, Sandor A. *Perspectives on Stem Cells and Gut Growth: Tales from a crypt - From the Walrus to Wittgenstein* in "The Gut as a Model in Cell and Molecular Biology." Halter F, Winton DJ, Wright NA. (Eds.) Kluwer Academic Publishers, London UK 1997; 94:121-134.
- 35) **MODLIN IM**. Islet Cell Neoplasia. *In: Follow-up for Cancer (4th Ed)*. Ed. D.S. Fischer, Lippincott - Raven, New York 1996; pp 108-109.
- 36) Begos DG, Lee F, Franco K, Baldwin JC, Revkin J, **MODLIN IM**. Büchler MW, Frei E, Klaiber Ch, Krähenbühl L (eds). *Laparoscopic Surgery as an Option for Gallstones in Cardiac Transplant Candidates and Recipients. Five Years of Laparoscopic Cholecystectomy: A Reappraisal*. Prog. Surg. Basel, Karger, 1996, vol. 22 pp 118-126.
- 37) Goldenring JR, **MODLIN IM**. A Practical Approach to Cloning Strategies. *In: Clinical Gene Analysis and Manipulation: tools, techniques and trouble shooting*, J Jankowski, J Polak (Eds), Cambridge University Press, 1996, 270-288.
- 38) **MODLIN IM**. From Prout to the Proton Pump. Schnetztor-Verlag GmbH, Konstanz, 1995.
- 39) **MODLIN IM**, Rozen P, Scarpignato C. (Eds) *Frontiers of Gastrointestinal Research Series. Endocrine Tumors of the Pancreas* 1995. Karger, Basel.
- 40) **MODLIN IM**, Begos DG, Ballantyne GH. *Laparoscopic Gastrointestinal Surgery: Current State of the Art*. *In: Clinical Gastroenterology* (ed) H. Spiro, McGraw-Hill, Supp 1; pp 1-20, 1994.
- 41) Leach SD, **MODLIN IM**. *Approaches to Pancreatic Disease*. *In: Laparoscopic Surgery*, WB Saunders, Philadelphia, PA; 1994: 165-172.
- 42) Ferzoco SJ, **MODLIN IM**. *Splenic Surgery*. *In: Laparoscopic Surgery*, WB Saunders, Philadelphia, PA; 1994:154-164.
- 43) Ballantyne GH, Leahy PF, **MODLIN IM**.(eds) *Laparoscopic Surgery*. WB Saunders, Philadelphia, PA; 1994.
- 44) **MODLIN IM**, Basson MD. *Gall Bladder: In Current Practice of Surgery*. Copeland EM, Levine BA, Howard RJ, Sugarman H, Warshaw AL (eds). Churchill Livingstone, NY. 1993; XIII(9):3-20.

- 45) DeMeester TR, Nahrwold DL, **MODLIN IM**. Esophageal, gastric and small intestine (editorial overview). In: Current Opinion in General Surgery 1993:165-169, ed. John M. Daly, Current Science.
- 46) **MODLIN, IM**, Basson MD. Clinical Applications of Gastrointestinal Hormones. In Endocrinology and Metabolism Clinics of North America. Vinik AI (ed) WB Saunders Co. 1993; 22(4):823-844.
- 47) Soybel D, **MODLIN IM**. Overview of gastric mucosal injury and inflammation: In Gastritis. Kozol RA (ed). CRC Press, Boca Raton FL 1993; 1-34.
- 48) Armstrong DN, Ballantyne GH, **MODLIN IM**. Ogilvie Syndrome: in Problems in general surgery. Colorectal Disease: Challenging Problems. Rothenberger DA (Ed) Lippincott 1992; 9(4):585-596.
- 49) **MODLIN, IM**. (Guest Ed) Current Clinical and Scientific Perspectives in Gastroenterology. Yale J Biol and Med 1992; 65(5):393.
- 50) Leach SD, Gorelick FS, **MODLIN IM**. Cellular mechanisms of acute pancreatitis. Perspectives in General Surgery. Levin BA (Ed) Quality Med Publ 1991; 2(2):97-112.
- 51) **MODLIN IM**, Kim H, Bilchik A, Nilsson O, Esterline W, Goldenring J. Pathobiology of enterochromaffin-like cell tumor induction in Mastomys. Fernstrom Symposium 1990. R Hakanson & F Sundler (eds) 1990; 15:499-514.
- 52) **MODLIN IM**, Basson M. Blood pepsinogen: Clinical and research significance: in Clinical Investigation of Gastric Function. From Gastroint Res. Scarpignato C & Bianchi Porro G (eds). Karger, Basel 1990; 17:157-171.
- 53) **MODLIN IM**, Adrian TE. Hormones, neurotransmitters and other humoral markers of endocrine tumors. In Friesen Sr (ed): Surgical Endocrinology: Clinical Syndromes. Philadelphia: JP Lippincott 1988; 25-33.
- 54) **MODLIN IM**. Tumor of the Endocrine Glands [Carcinoid Tumors]. Current Guidelines for the Management of Cancer. Rene A. Khafif, Sameer Rafla, Samuel Kopel (eds). Harcourt Brace Jovanovich, Academic Press Inc, New York. 1986; 201-212.
- 55) **MODLIN IM**. Peptic ulcer syndromes - hyper and hyposecretory states: In Surg Care II. RE Condon, JJ DeCosse (eds) Lea and Febiger, Philadelphia. 1985; 3-39.
- 56) **MODLIN IM**. Endocrine tumors: in Basic Principles of Surgical Oncology. Alfonso A and Gardner B (eds). Appleton Century-Crofts, New York, 1981.
- 57) **MODLIN IM**, Jaffe BM. Gastrointestinal Hormones. Endocrine Society of America. Handbook, 1980.
- 58) **MODLIN IM**, Mitchell S, Bloom SR. The systemic release and pharmacokinetics of VIP. In Gut Hormones S. Bloom (ed). Churchill Livingstone, 1978; 470-474.
- 59) **MODLIN IM**, Mitchell S, Bloom SR. VIP as the cause of the WDHA syndrome. In: Gastrointestinal Hormones and Pathology of the Digestive System. Grossman and Speranza V (eds) Plenum Press 1978; 195-202.

H. MISCELLANEOUS

- 1) **MODLIN IM**. George Sachs – I did it my way. J Clin Gastroenterol 2006; 40:867-9.
- 2) **MODLIN IM**. Galen and the Properties of Foodstuffs. (Book Review) Gastroenterology. 2005 (in press).
- 3) **MODLIN IM**. [Comments on: "Gastric carcinoid tumours. Is there a place for antrectomy?"]_Ann Chir. 2006; 131: 294.
- 4) **MODLIN IM**, Adler G, Alexander K, Arnold R, Brenner DA, Corazziari E, Floch MH, Laporte RE, Peterson WL, Quigley EM, Shapiro MD, Spechler SJ, Spiller RC, Tytgat GN, Wiegers W. Information assimilation and distribution challenges and goals for real and virtual journals. J Clin Gastroenterol 2005; 39: 181-8.
- 5) **MODLIN IM**. (Foreword) *Best Pract Clin Gastroenterol*, 2004; 18 Suppl: 1-6.
- 6) **MODLIN IM**. (Foreword) *History of Helicobacter pylori* by Barry Marshall, 2003.
- 7) **MODLIN IM**. (book review) *Clinical Endocrinology and Metabolism: The Gut as an Endocrine Organ*. Eds. P. Fuller and A Schulkes, Gastroenterol, 1994.
- 8) **MODLIN IM**. (book review) *The Gastrointestinal Surgical Patient: Preoperative and Postoperative Care*. Eds. EMM Quigley and MF Sorrell, Williams & Wilkins, Baltimore, 1994.
- 9) **MODLIN IM**. (book review) Horace W. Davenport. A History of Gastric Secretion and Digestion: Experimental Studies to 1975. *Journal of the History of Medicine*: Vol 48, October, 1993.
- 10) **MODLIN IM**, Sabesin SM, Snape WJ Jr., Rubin W. Manpower in gastroenterology in the United States: A position paper of the training and education committee of the AGA. *Gastroenterology* 1989; 96(3):956-958.

- 11) Zdon MJ, Lewis JJ, Adrian TE, **MODLIN IM**. Hypergastrinemia after vagotomy is not associated with decreased gastric somatostatin. *Surgery* 1989; 106:934. Letter to the Editor).
- 12) Rikkens LF, Bland KI, Kinder BK, Lawrence PF, Lynch TG, **MODLIN IM**, Schulak JA, and Whitehouse WM Jr. Funding of surgical research: the roles of government and industry. *J Surg Res* 1985; 39(3):209-215.