

77th Annual Meeting of the



AMERICAN
THYROID
ASSOCIATION

FOUNDED 1923

Sheraton Wild Horse Pass
Resort & Spa

Phoenix, Arizona

October 11–15, 2006

Goals:

The aim of The American Thyroid Association is to draw the widest possible international community of thyroid specialists together at the annual meeting in order to share the newest concepts in diagnosis, clinical management and research findings in thyroid disease.

The American Thyroid Association Annual Meeting is designed for the worldwide community of endocrinologists, other physicians and health care professionals, and scientists who wish to broaden and update their knowledge of the thyroid gland and its disorders.

The ATA provides outstanding leadership in thyroidology by promoting excellence and innovation in clinical care, research, education, and public advocacy.

The 77th Annual Meeting of The American Thyroid Association is Jointly Sponsored by The American Thyroid Association and The University of Texas M.D. Anderson Cancer Center.

Accreditation/Credit Designation:

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of The University of Texas M. D. Anderson Cancer Center and The American Thyroid Association, Inc. The University of Texas M. D. Anderson Cancer Center is accredited by the ACCME to provide continuing medical education for physicians.

The University of Texas M. D. Anderson Cancer Center designates this educational activity for a maximum of 32.50 *AMA PRA Category 1 Credits*[™] toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA category 1 credit.

Evaluation:

A course evaluation form will provide participants with the opportunity to review each session and speaker, to identify future educational needs, and to comment on any perceived commercial bias in the presentations.

CME Notices:

The University of Texas M.D. Anderson Cancer Center has implemented a process whereby everyone who is in a position to control the content of an educational activity must disclose all relevant financial relationships with any commercial interest that could potentially affect the information presented. Agendas are subject to change because we are always striving to improve the quality of your educational experience. The American Thyroid Association and M.D. Anderson may as needed substitute faculty with comparable expertise in the event of illness, scheduling conflicts, or other such reasons. Audio taping or videotaping is prohibited.

Target Audience:

This meeting is designed for the worldwide community of thyroid specialists: endocrinologists, surgeons, basic scientists, nuclear medicine scientists, pathologists, endocrine nurses, and other health care professionals who wish to broaden and update their knowledge of the thyroid gland and its disorders.

Educational Design:

The ATA Annual Meeting features interactive sessions discussing oral and poster abstracts, innovative talks on cutting-edge topics, case studies, "meet the professor" workshops, panel discussions and a great balance between basic science and clinical topics. The Annual Meeting is known for its state-of-the-art information, unparalleled networking opportunities, and warm collegiality.

Educational Objectives:

1. Describe state-of-the art findings on the mechanisms, prevention, diagnosis, and management of thyroid disease and thyroid cancer
2. Recognize the impact of health policy, environmental factors, and non-thyroidal conditions on thyroid disease and thyroid cancer
3. Incorporate new treatment options for thyroid disease and thyroid cancer in patient care
4. Identify and increase your opportunities for networking and collaboration with other professionals in furthering research in the fields of thyroid disease, thyroid cancer and patient care.

Support of the Annual Meeting:

The University of Texas M.D. Anderson Cancer Center and the American Thyroid Association acknowledge educational grants and in-kind contributions from Abbott Laboratories, Genzyme, Inc., King Pharmaceuticals, Inc., Astra Zeneca, Amgen and Kronus, Inc., SmartSound, Shimadzu and Toshiba in support of this program.

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Sheraton Wild Horse Pass Resort & Spa
Phoenix, Arizona
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Wednesday, October 11, 2006

6:45 am – 8:00 am Coyote/Buzzard/Eagle
Endocrine Fellows Day Breakfast

8:00 – 4:00 pm Akimel O’otham 3
Endocrine Fellows Day
Chair: E. Chester Ridgway

7:30 am – 11:00 am Pointe South Mountain Resort
3:00–5:00 pm Wild Horse Resort & Spa
ATA Executive Council Meeting

10:00 am – 9:00 pm Pointe South Mountain—Registration desk, Lower Lobby
Meeting Registration Open

10:00 am – 7:00 pm Thunder One Pre-function
Meeting Registration Open

11:00 am – 1:00 pm Pointe South Mountain Resort
ATA Committee Meetings

11:00 am – 5:00 pm Quail
Ruth Volpé Hospitality Suite – open daily throughout the meeting

1:00 – 5:00 pm Akimel O’otham 1, 2
Advanced Ultrasound Symposium and Practicum
(ticket required)

Lymph node metastases: Does it matter?
US surveillance for detection of metastatic lymph nodes
Parathyroid ultrasound
On site FNA cytology evaluation

*Supported by an educational grant from Abbott Laboratories
In-Kind Contributions by Shimadzu Medical Systems USA,
SmartSound UltraSound Inc., Toshiba UltraSound*

Steven Sherman
Susan Mandel
Dan Duick
Nicole Massoll

2:00 – 7:00 pm Pipai Kave
Exhibit Hall Open
ATA website and members-only demonstration
All ATA meeting attendees: Check your email

4:30 pm – 6:00 pm Ant *Supported by an educational grant from Abbott Laboratories and Genzyme, Inc.*
ATA Fellows Track Welcome and Introductions
Chairs: Michael McDermott and Stephanie Fish

6:30 pm Roadrunner
Association of Clinical Thyroidologists (ACT) Meeting

ATA Welcome Receptions

5:00 – 6:00 pm Coyote/Buzzard
Women in Thyroidology Welcome Reception and Meeting

6:00 – 7:00 pm Coyote/Buzzard
Newcomers and Fellows Welcome Reception

7:00 – 8:30 pm Grand Terrace *(exit by Akimel Foyer to Mesquite Terrace)*
Welcome Reception for all meeting attendees and guests. Music by ATA member, Joe DiStefano and company.

Thursday, October 12, 2006

6:00 am – 6:00 pm Ant
ATA Fellows Track Room (See Fellows schedule posted daily)

6:00 am Akimel O’otham 1, 2
Breakfast

6:30 – 7:45 am Akimel O’otham 1, 2 *Supported by an educational grant from Amgen*
CME symposium

Frontiers in Thyroid Neoplasia: Identifying Novel Therapeutic Targets

Moderator: Steven Sherman

Insights from molecular pathways: potential pharmacologic therapy of benign nodules Ralf Paschke
Targeting nuclear receptors: RAR, RXR and PPAR Bryan Haugen
Lessons from Clinical Trials with Multikinase Inhibitors Alan M. Gerwitz

8:00 – 8:15 am Akimel O’otham 3, 4
Welcome and Introductions

Ernest L. Mazzaferri	ATA President
Gregory A. Brent	ATA Secretary
Susan J. Mandel	ATA Program Chair, Clinical Medicine
Antonio C. Bianco	ATA Program Chair, Basic Science

8:15 – 9:00 am Akimel O’otham 3, 4
Keynote

“Genetic Defects Leading to Abnormal Thyroid Hormone Metabolism”

Samuel Refetoff, MD

Professor of Medicine, Pediatrics and Genetics
University of Chicago
Chicago, Illinois

9:00 am – 4:30 pm Pipai Kave
Exhibit Hall Open

ATA website and members-only demonstration
All ATA meeting attendees: Check your email

9:00 – 10:00 am Akimel O’otham 3, 4
Plenary Session - Oral abstracts
Chairs: Antonio Bianco and Susan Mandel

Program Number 1 Thyroid Hormone Action Thursday Oral Basic 9:00 am

Clinical Implications of the Crystal Structure of Thyroxine-Binding Globulin

A. Zhou, B. B. Du, R. Carrell

Cambridge Institute for Medical Research, University of Cambridge, Cambridge, United Kingdom

Program Number 2 Thyroid Cancer Thursday Oral Clinical 9:15 am

Bortezomib in patients with metastatic differentiated thyroid cancer: preliminary results of a multicenter phase II study

J. D. Brierley¹, R. W. Tsang¹, B. S. Glisson², M. S. Kies², M. A. Kane³, B. R. Haugen⁴, D. R. Litofsky⁵, S. I. Sherman for the National Thyroid Cancer Treatment Coop Study Group⁵

¹Dept. of Radiation Oncology, University of Toronto, Toronto, ON, Canada; ²Dept. of Thoracic, Head and Neck Medical Oncology, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ³Dept. of Medicine, Div. of Hematology and Oncology, University of Colorado Health Sciences Center and the Denver Veterans Affairs Medical Center, Denver, CO, USA; ⁴Dept. of Medicine, Div. of Endocrinology, Metabolism and Diabetes, University of Colorado at Denver and Health Sciences Center, Aurora, CO, USA; ⁵Dept. of Endocrine Neoplasia and Hormonal Disorders, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA

Program Number 3 Thyroid Hormone Metabolism and Regulation Thursday Oral Basic 9:30 am

Abnormal thyroid hormone metabolism in mice lacking the monocarboxylate transporter 8

M. Trajkovic¹, T. J. Visser², J. Mittag³, S. Jungk³, S. Horn¹, J. Lukas¹, K. Bauer³, H. Heuer¹

¹Neuroendocrinology, Leibniz Institute for Age Research - Fritz Lipmann Institute, Jena, Germany; ²Department of Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands; ³Neuroendocrinology, Max Planck Institute for Experimental Endocrinology, Hannover, Germany

Program Number 4 Thyroid Nodules and Goiter Thursday Oral Clinical 9:45 am

High-intensity focused ultrasound (HIFU) treatment for thyroid nodules: first clinical study

O. Esnault¹, B. Franc², F. Ménégaux³, A. Rouxel⁴, E. De Kerviler⁵, P. Bourrier⁵, J. P. Monteil¹, J. Y. Chapelon⁶, L. Leenhardt⁴

¹Department of ENT and maxillofacial surgery, Saint Louis Hospital, Paris, France; ²Department of Pathology, Ambroise Paré Hospital, Boulogne Billancourt, France; ³Department of General and Endocrine Surgery, Pitié Salpêtrière Hospital, Paris, France; ⁴Department of Nuclear Medicine, Pitié Salpêtrière Hospital, Paris, France; ⁵Department of Radiology, Saint Louis Hospital, Paris, France; ⁶Research on therapeutic applications of ultrasound, INSERM U 556, Lyon, France

10:00 – 10:30 am Pipai Kave

Poster Session and Break

Akimel O'otham Foyer

Program Number 5 WITHDRAWN

Program Number 6 Autoimmunity Thursday Poster Basic

Expanding the *HLA-DRB1-DQA1* association with Graves' disease

M. J. Simmonds, J. M. Heward, J. Carr-Smith, J. A. Franklyn, S. C. L. Gough

Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom

Program Number 7 Autoimmunity Thursday Poster Basic

Regenerative potentials of the murine thyroid: accelerated recovery in the absence of CD24

Y. C. Chen, P. Caturegli

Department of Pathology, The Johns Hopkins Medical Institutions, Baltimore, MD, USA

Program Number 8 Autoimmunity Thursday Poster Basic

Parvovirus B19 Infection is Associated with Hashimoto's Thyroiditis

J. Wang¹, W. Zhang¹, H. Liu², D. Wang¹, W. Wang¹, Y. Li¹, Z. Wang¹, P. Hu¹, W. Zhang¹, L. Wang¹, G. Huang¹

¹Department of Pathology, Fourth Military Medical University, Xi'an, China; ²Department of Histopathology, Addenbrooke's Hospital, Cambridge, United Kingdom

Program Number 9 Autoimmunity Thursday Poster Basic

Adipogenesis is Stimulated by Thyrotropin Receptor Autoantibodies and TSH in Graves' Orbital Preadipocytes

M. N. Stan, M. J. Coenen, R. S. Bahn

Division of Endocrinology, Diabetes, Metabolism and Nutrition, Mayo Clinic, Rochester, MN, USA

Program Number 10 Autoimmunity Thursday Poster Clinical

Comparison of different methods to determine DNase activity in thyroid autoimmunity

G. Kahaly

Endocrine Research Laboratory, Department of Medicine, Gutenberg University Hospital, Mainz, Germany

Program Number 11 WITHDRAWN

Program Number 12 Autoimmunity Thursday Poster Basic

Helicobacter Pylori Proteins and Thyroid Autoantigens Share Amino Acid Sequence Homology That Includes Motifs of Recognition for HLA Molecules and T-Cell Receptors

F. Guarneri¹, A. Alessi², F. Trimarchi², S. Benvenga³

¹Dipartimento di Medicina Sociale del Territorio, Istituto di Dermatologia, Messina, Italy; ²Dipartimento Clinico Sperimentale di Medicina e Farmacologia, Sezione di Endocrinologia, Messina, Italy; ³Dipartimento Clinico Sperimentale di Medicina e Farmacologia & Progr. di Endocrinologia Molecolare Clinica, Sezione di Endocrinologia, Messina, Italy

- Program Number 13 Cell Biology Thursday Poster Basic
LMP2, a subunit of the immunoproteasome, mediates the Hürthle cell phenotype and hypothyroidism in interferon-gamma transgenic mice. A novel therapeutic target
 H. Kimura, P. Caturegli
 Department of Pathology, The Johns Hopkins Medical Institutions, Baltimore, MD, USA
- Program Number 14 Cell Biology Thursday Poster Basic
Synergistic stimulation of the human PDS/SLC26A4 promoter by PAX8 and TTF1
 J. C. Solis-S¹, S. Schnyder², L. Chen², P. Kopp²
¹Division of Endocrinology, Metabolism and Molecular Medicine Tarry 15, 303 East Chicago Avenue, Northwestern University, Chicago, IL, USA; ²Division of Endocrinology, Metabolism and Molecular Medicine, Northwestern University, Chicago, IL, USA
- Program Number 15 Cell Biology Thursday Poster Basic
Is the red blood cell a new target of TSH action? Evidence for the presence of a TSH effect on human erythrocytes Na/K-ATPase
 S. Balzan¹, G. Nicolini², F. Forini³, L. Sabatino⁴, G. Iervasi⁴
¹Cardiovascular Endocrinology, CNR Institute of Clinical Physiology, PISA, Italy; ²Cardiovascular Endocrinology, Cnr Institute of Clinical Physiology, PISA, Italy; ³Cardiovascular Endocrinology, CNR Institute of Clinical Physiology, Pisa, Italy; ⁴Cardiovascular Endocrinology, CNR Institute of Clinical Physiology, Pisa, Italy
- Program Number 16 Iodine Uptake and Metabolism Thursday Poster Basic
Repression of the human NIS upstream enhancer (hNUE) by PTTG and PBF
 V. E. Smith¹, K. Boelaert¹, A. L. Stratford¹, S. R. James², T. Kogai³, J. A. Franklyn¹, C. J. McCabe¹
¹Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom; ²Division of Reproductive and Child Health, University of Birmingham, Birmingham, United Kingdom; ³Endocrinology and Diabetes Division, University of California-Los Angeles School of Medicine, Los Angeles, CA, USA
- Program Number 17 Iodine Uptake and Metabolism Thursday Poster Basic
188-Rhenium as an alternative to 131-Iodine for treatment of prostate cancer following tissue-specific sodium iodide symporter gene transfer
 M. J. Willhauck¹, B. R. Sharif Samani¹, R. Senekowitsch-Schmidtke², B. Pfof², I. Wolf², F. J. Gildehaus³, B. Göke¹, J. C. Morris⁴, C. Spitzweg¹
¹Department of Internal Medicine II, Klinikum Grosshadern, Ludwig-Maximilians-University, Munich, Germany; ²Department of Nuclear Medicine, Klinikum rechts der Isar, Technical University, Munich, Germany; ³Department of Nuclear Medicine, Klinikum Grosshadern, Ludwig-Maximilians University, Munich, Germany; ⁴Division of Endocrinology and Metabolism, Mayo Clinic, Rochester, MN, USA
- Program Number 18 Iodine Uptake and Metabolism Thursday Poster Basic
MEK Signaling Modulates Sodium Iodide Symporter at Multiple Levels and in a Paradoxical Manner
 D. D. Vadysirisack¹, A. Venkateswaran², Z. Zhang², S. M. Jhiang³
¹Integrated Biomedical Science Graduate Program, The Ohio State University, Columbus, OH, USA; ²Ohio State Biochemistry Program, The Ohio State University, Columbus, OH, USA; ³Department of Physiology and Cell Biology, The Ohio State University, Columbus, OH, USA
- Program Number 19 Iodine Uptake and Metabolism Thursday Poster Basic
Placental Iodine as a possible Reserve in Inadequate Dietary Iodine Intake
 R. A. Burns¹, M. Higgins², D. Smith¹, P. Kelehan², C. O'Herlihy², P. Smyth¹
¹UCD Conway Institute, University College Dublin, Dublin 4, Ireland; ²National Maternity Hospital, Dublin 2, Ireland
- Program Number 20 Iodine Uptake and Metabolism Thursday Poster Clinical
Unusually Intense Breast Uptake of Radioiodine in a Non-Lactating Woman
 M. I. Hu, S. G. Waguespack, N. J. Sarlis
 Department of Endocrine Neoplasia and Hormonal Disorders, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA
- Program Number 21 Thyroid and Development Thursday Poster Basic
Monocarboxylate transporter 8 (MCT8) represses proliferation of fetal embryonal NT2 and placental JEG-3 cells in vitro
 S. R. James¹, C. J. McCabe², B. J. Reaves³, V. E. Smith², S. Y. Chan¹, T. G. Barrett¹, M. D. Kilby¹, J. A. Franklyn²
¹Division of Reproductive and Child Health, University of Birmingham, Birmingham, United Kingdom; ²Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom; ³Department of Biology and Biochemistry, University of Bath, Bath, United Kingdom

- Program Number 22 Thyroid and Development Thursday Poster
Use of rainbow trout to study thyroid hormone receptor gene expression in very early stages of embryogenesis
 J. F. Leatherland, J. C. Raine, M. Li
 Department of Biomedical Sciences, University of Guelph, Guelph, ON, Canada
- Program Number 23 Thyroid Cancer Thursday Poster Basic
MAPK and BRCA1 are activated by peroxisome proliferators-activated receptor gamma (PPAR γ) agonists in anaplastic thyroid cancer cell lines
 T. Uruno¹, M. Wong¹, E. Kebebew¹, Q. Y. Duh², O. H. Clark¹
¹Department of Surgery, Endocrine Surgery Laboratory, University of California San Francisco / Mt. Zion Medical Center, San Francisco, CA, USA; ²Surgical Service, University of California San Francisco / Veterans Affairs Medical Center, San Francisco, CA, USA
- Program Number 24 Thyroid Cancer Thursday Poster Basic
Detection of circulating papillary thyroid carcinoma cells containing the BRAF V600E mutation
 K. W. Cradic¹, D. Milosevic¹, J. L. Bates², A. Rosenberg², B. McIver², S. K. G. Grebe¹
¹Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, USA; ²Endocrinology, Mayo Clinic, Rochester, MN, USA
- Program Number 25 Thyroid Cancer Thursday Poster Clinical
Outdated and Missing: A Review of the Quality of Thyroid Cancer Information on the Internet
 M. Air¹, S. Roman², H. Yeo², C. Maser², T. Trapasso², B. Kinder², J. A. Sosa²
¹Yale University School of Medicine, New Haven, CT, USA; ²Surgery, Yale University School of Medicine, New Haven, CT, USA
- Program Number 26 Thyroid Cancer Thursday Poster Basic
Treatment with DNA Methylation Inhibitors Induce Differentiation but May Also Induce Expression of Genes Involved in Epithelial-Mesenchymal Transition
 K. E. Jensen¹, A. Patel¹, M. Saji², A. Bauer¹, V. Vasko¹
¹Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD, USA; ²Divisions of Endocrinology, Oncology, and Human Cancer Genetics, Ohio State University, Columbus, OH, USA
- Program Number 27 Thyroid Cancer Thursday Poster
A clinical study of 191 cases of malignant lymphoma of the thyroid gland
 N. Watanabe¹, J. Y. Noh¹, Y. Kunii¹, K. Kameyama², T. Shimizu¹, K. Mukasa¹, F. Otsuka¹, A. Miyara¹, K. Tsuboi³, G. Yoshino³, A. Kubo⁴, K. Ito⁵, K. Ito⁵
¹Internal Medicine, Ito Hospital, Tokyo, Japan; ²Pathology, Keio University, Tokyo, Japan; ³Division of Diabetes, Metabolism and Endocrinology, Toho University School of Medicine, Tokyo, Japan; ⁴Radiology, Keio University, Tokyo, Japan; ⁵Surgery, Ito Hospital, Tokyo, Japan
- Program Number 28 Thyroid Cancer Thursday Poster Clinical
The role of postoperative radioiodine remnant ablation in the combined treatment of differentiated thyroid cancer (DTC)
 J. Krajewska¹, A. Czarniecka², M. Jarzab³, J. Roskosz¹, A. Kukulska¹, D. Handkiewicz-Junak¹, B. Jurecka-Lubieniecka¹, E. Gubala¹, B. Jarzab¹
¹Nuclear Medicine and Endocrine Oncology Department, M.Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Gliwice, Poland; ²Oncologic Surgery Clinic, M.Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Gliwice, Poland; ³Tumor Biology Department, M.Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Gliwice, Poland
- Program Number 29 Thyroid Cancer Thursday Poster Clinical
Long term outcome of 444 patients with distant metastases from papillary and follicular thyroid carcinoma: benefits and limits of radioiodine therapy
 C. Durante¹, N. Haddy², E. Baudin³, S. Leboulleux³, D. Hartl³, J. P. Travagli³, B. Caillou³, M. Ricard³, J. D. Lumbroso³, F. De Vathaire², M. Schlumberger³
¹Departement of Clinical Sciences, University of Rome "La Sapienza", Rome, Italy; ²Inserm U605, Institut Gustave Roussy, Villejuif, France; ³Institut Gustave Roussy, Villejuif, France
- Program Number 30 Thyroid Cancer Thursday Poster Basic
Microsatellite Instability in Thyroid Neoplasms
 E. J. Mitmaker¹, C. Alvarado², L. R. Bégin³, M. Trifiro⁴
¹Dept. of General Surgery, McGill University, Montreal, QC, Canada; ²Lady Davis Institute, Jewish General Hospital, Montreal, QC, Canada; ³Dept. of Pathology, Sacré-Coeur Hospital, Montreal, QC, Canada; ⁴Dept. of Endocrinology, McGill University, Montreal, QC, Canada

- Program Number 31 Thyroid Cancer Thursday Poster Clinical
Evaluation of Selective Embolization of Thyroid Arteries (SETA) in treatment of selected thyroid tumors – own experience and perspectives
 M. Dedecjus¹, J. Tazbir², Z. Kaurzel³, M. Naze¹, G. Strozyk¹, A. Lewinski⁴, J. Brzezinski¹
¹Department of Endocrine Surgery, Chair of Endocrinology and Metabolic Diseases, Medical University of Lodz, Polish Mother's Memorial Hospital, Poland, Lodz, Poland; ²Department of Emergency Medicine, Medical University of Lodz, Copernicus Hospital, Lodz, Poland, Lodz, Poland; ³Copernicus Diagnostic Center, Copernicus Hospital, Lodz, Poland, Lodz, Poland; ⁴Department of Endocrinology and Metabolic Diseases, Chair of Endocrinology and Metabolic Diseases, Medical University of Lodz, Polish Mother's Memorial Hospital, Poland, Lodz, Poland
- Program Number 32 Thyroid Cancer Thursday Poster Clinical
Undetectable serum thyroglobulin (Tg) in the first year after total thyroidectomy and radioactive iodine remnant ablation (RRA) can be used to risk stratify patients with differentiated thyroid cancer
 G. Omry¹, R. J. Robbins¹, M. Brokhin¹, A. J. Martorella¹, S. M. Larson², R. M. Tuttle¹
¹Endocrinology Service, Memorial Sloan-Kettering Cancer Center, New York, NY, USA; ²Nuclear Medicine Service, Memorial Sloan-Kettering Cancer Center, New York, NY, USA
- Program Number 33 Thyroid Cancer Thursday Poster Basic
Role of the NFkB transcription factor in thyroid proliferation and malignancy
 H. Mircescu
 Research Center, University of Montreal Hospital Center, Montreal, QC, Canada
- Program Number 34 Thyroid Cancer Thursday Poster Clinical
Percutaneous ethanol injection in cervical lymph node metastases in papillary thyroid carcinoma. Preliminary results
 A. Heilo¹, K. Holgersen, K. Grøholt, E. Sigstad, T. Bjørø, L.H. Jørgensen
 The Norwegian Radium Hospital, Rikshospitalet Oslo, Norway
- Program Number 35 Thyroid Cancer Thursday Poster Clinical
Insulin-resistance (IR) would be an important risk factor for the development of differentiated thyroid carcinoma (DTC)
 J. Rezzonico¹, M. Rezzonico¹, E. Pusioli¹, F. Pitoia², H. Niepomniszcze²
¹CPE, Centro Privado de Endocrinología, Mendoza, Argentina; ²Division of Endocrinology, Hospital de Clinicas-University of Buenos Aires, Buenos Aires, Argentina
- Program Number 36 Thyroid Cancer Thursday Poster Clinical
Mediastinal uptake of radioactive iodine in well differentiated thyroid carcinoma: metastasis or thymic uptake?
 A. Granger-Vallée, A. Boucher, L. G. Ste-Marie, R. Chartrand
 Université de Montréal, CHUM, Montréal, QC, Canada
- Program Number 37 Thyroid Cancer Thursday Poster Clinical
Impact of Lymphocytic Thyroiditis in the Treatment Outcome of Differentiated Thyroid Carcinoma
 D. G. P. Villagelin, R. B. Santos, F. R. Chaves, J. H. Romaldini
 Endocrinology Service, Pontifícia Universidade Católica Campinas,, Campinas, SP, Brazil
- Program Number 38 Thyroid Cancer Thursday Poster Clinical
A Comparison of Cervical UTZ and CT/MRI in the Detection of Recurrent Nodal Disease in Thyroglobulin Ab+ Patients with Papillary Thyroid Cancer (PTC)
 S. Fatemi¹, C. Spencer², P. Singer², J. LoPresti²
¹Endocrinology, Southern California Permanente Medical Group, Panorama City, CA, USA; ²Keck School of Medicine, University of Southern California, Los Angeles, CA, USA
- Program Number 39 Thyroid Cancer Thursday Poster Clinical
Hyperparathyroidism and Thyroid Cancer
 I. B. Rosen
 Surgery, Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada
- Program Number 40 Thyroid Cancer Thursday Poster Clinical
Increasing Incidence of Thyroid Cancer in São Paulo State, Brazil, 1981-2005
 L. M. Z. Maciel¹, P. K. R. Magalhaes¹, A. L. Barone¹, E. G. Soares², R. H. Morais³, J. Cherri⁴, G. N. Simão³
¹Department of Internal Medicine, School of Medicine of Ribeirao Preto - University of Sao Paulo, Ribeirao Preto, Brazil; ²Department of Pathology, School of Medicine of Ribeirao Preto - University of Sao Paulo, Ribeirao Preto, Brazil; ³Department of Radiology, School of Medicine of Ribeirao Preto, Ribeirao Preto, Brazil; ⁴Department of Surgery, School of Medicine of Ribeirao Preto, Ribeirao Preto, Brazil

Program Number 41 Thyroid Cancer Thursday Poster Clinical

Thyroid FNA Diagnosis with Histological Correlation: an Institutional Perspective

A. Vijayvargiya¹, R. Udelsman², I. T. Ocal¹

¹Department of Pathology, Yale University, Yale New Haven Hospital, New Haven, CT, USA; ²Department of Surgery, Yale University, Yale New Haven Hospital, New Haven, CT, USA

Program Number 42 Thyroid Cancer Thursday Poster Clinical

Skin metastasis as the only de novo clinical presentation of widely metastatic sporadic medullary thyroid carcinoma (MTC)

L. Santaripia¹, A. El-Naggar², S. R. Hymes³, S. I. Sherman¹, G. G. Sayegh¹, N. J. Sarlis¹

¹Department of Endocrine Neoplasia and Hormonal Disorders, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ²Division of Pathology and Laboratory Medicine, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ³Department of Dermatology, University of Texas M.D. Anderson Cancer Center, Houston, Texas, Houston, TX, USA

Program Number 43 Thyroid Cancer Thursday Poster Basic

Characterization of papillary thyroid cancer using array comparative genomic hybridization

K. Puttaswamy¹, M. Samanta¹, K. Gold¹, A. Iqbal¹, M. S. Brose²

¹Department of Otorhinolaryngology, University of Pennsylvania, Philadelphia, PA, USA; ²Abramson Cancer Center, Departments of Otorhinolaryngology and Medicine, University of Pennsylvania, Philadelphia, PA, USA

Program Number 44 Thyroid Cancer Thursday Poster Clinical

Papillary Thyroid Cancer with Bilateral Cervical Metastases—a Twenty Years Experience

Q. H. Ji¹, L. Zhang², Y. X. Zhu²

¹Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China; ²Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China

Program Number 45 Thyroid Cancer Thursday Poster Basic

Establishment of follicular carcinoma cell line from bone metastatic lesion in a pregnant patient

H. Kimura¹, K. Yamazaki², E. Yamada², K. Takano¹, K. Sato¹

¹Department of Medicine, Institute of Clinical Endocrinology, Tokyo Women's Medical University, Tokyo, Japan; ²Thyroid Disease Institute, Kanaji Hospital, Tokyo, Japan

Program Number 46 Thyroid Cancer Thursday Poster Clinical

Secondary Carcinoma of the Thyroids

P. Wang

Department of Radiation Oncology, Tianjin Medical University Cancer Hospital and Institute, Tianjin, China

Program Number 47 Thyroid Cancer Thursday Poster Clinical

Tumor-to-tumor metastasis from papillary thyroid carcinoma to bronchioloalveolar carcinoma: a case report

N. Lowy¹, R. Block-Posner², V. Peck¹

¹Department of Endocrinology, New York University School of Medicine, New York, NY, USA; ²Department of Endocrinology, Evanston Northwestern Hospital, Evanston, IL, USA

Program Number 48 Thyroid Cancer Thursday Poster Clinical

Papillary Thyroid Microcarcinoma With Metastatic Spread to Bone

G. G. Fareau, N. Busaidy

Endocrine Neoplasia & Hormonal Disorders, University of Texas MD Anderson Cancer Center, Houston, TX, USA

Program Number 49 Thyroid Cancer Thursday Poster Clinical

Metastatic follicular cancer of the thyroid heralded by the presence of normal appearing thyroid tissue in a skin tag

L. Mutter¹, P. S. Arora²

¹Department of Medicine, University of Minnesota, Minneapolis, MN, USA; ²Division of Endocrinology, University of Minnesota, Saint Paul, MN, USA

Program Number 50 Thyroid Cancer Thursday Poster Basic

Differentiation of Malignant from Benign Thyroid Lesions by Measuring Plasma DNA Levels

A. F. Chen, E. A. Pribitkin, W. M. Keane, J. Rothstein

Department of Otolaryngology - Head and Neck Surgery, Thomas Jefferson University Hospital, Philadelphia, PA, USA

- Program Number 51 Thyroid Diseases Thursday Poster Clinical
Sunitinib (Sutent®), a multitargeted angiogenesis inhibitor, can induce hypothyroidism in advanced cancer patients
 E. Wong¹, L. S. Rosen², M. Mulay², A. VanVugt², M. Dinolfo², J. M. Hershman¹
¹Division of Endocrinology, Veterans Administration of Greater Los Angeles, Los Angeles, CA, USA; ²Premiere Oncology, Los Angeles, CA, USA
- Program Number 52 Thyroid Diseases Thursday Poster Clinical
TSH and T4 in the US Population NHANES 1999-2002 – Comparison with data from NHANES III (1988-1994)
 J. G. Hollowell
 Pediatrics, University of Kansas Medical Center, Lawrence, KS, USA
- Program Number 53 Thyroid Diseases Thursday Poster Clinical
Mild Thyroid Dysfunction Does Not Affect Short Term Surgical Outcomes after Coronary Artery Bypass Grafting
 M. Skugor¹, M. Fleseriu¹, P. Seshabhatter², P. Raily¹
¹Endocrinology Diabetes and Metabolism, Cleveland Clinic, Cleveland, OH, USA; ²Internal Medicine, Metro Medical Center, Cleveland, OH, USA
- Program Number 54 Thyroid Diseases Thursday Poster Clinical
Valuable Features for Predicting the Remission of Graves Hyperthyroidism after Antithyroid Drug Treatment
 X. J. Liu, B. Y. Shi, H. Li
 Department of Endocrinology, The First Affiliated Hospital of Medical College of Xi'an Jiaotong University, Xi'an, China
- Program Number 55 Thyroid Diseases Thursday Poster Clinical
Screening for thyroid dysfunction in early pregnancy applying newborn screening system using dried blood spot
 N. Momotani¹, K. Sakurai², J. Hara², K. Suzuki², S. Iwama¹, K. Momotani³, S. Sugihara⁴
¹Department of Endocrinology, Tokyo Health Service Association, Tokyo, Japan; ²Department of Screening for Children, Tokyo Health Service Association, Tokyo, Japan; ³Department of Molecular Physiology & Biological Physics, University of Virginia, Charlottesville, VA, USA; ⁴Department of Pediatrics, Tokyo Women's Medical University Medical Center East, Tokyo, Japan
- Program Number 56 Thyroid Diseases Thursday Poster Clinical
Hypothyroidism and Atherosclerosis — Decrease of L-selectin expression in hypothyroidism may be one of cases of atherosclerosis
 Y. Tsuchida¹, E. Murakami², N. Hiroi³, M. Shimojo³, H. Ueshiba³, M. Higa¹, G. Yoshino³
¹Internal Medicine, Saiseikai Kanagawaken Hospital, Yokohama city, Japan; ²Clinical Laboratory, Toho University Omori Medical Center, Tokyo, Japan; ³Division of Diabetes, Metabolism and Endocrinology, Toho University School of Medicine, Tokyo, Japan
- Program Number 57 Thyroid Diseases Thursday Poster Basic
A Pharmacokinetic Model for Once Per Week Dosing of Combined T4 and Polymeric T3 for Treatment of Primary Hypothyroidism
 K. R. Latham¹, K. D. Burman², J. Jonklaas³
¹Innovative Technologies, Bristol, VA, USA; ²Division of Endocrinology, Washington Hospital Center, Washington, DC, USA; ³Division of Endocrinology, Georgetown University, Washington, DC, USA
- Program Number 58 Thyroid Diseases Thursday Poster Clinical
Pseudo-TSHoma due to simultaneous Hashimoto's thyroiditis and abnormal T4 binding protein
 R. S. Mitchell¹, C. Prosser², E. Raff³, J. Ginsberg¹
¹Department of Medicine, Division of Endocrinology and Metabolism, University of Alberta, Edmonton, AB, Canada; ²Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada; ³Department of Medicine, Royal Alexandra Hospital, Edmonton, AB, Canada
- Program Number 59 Thyroid Diseases Thursday Poster Basic
Mutation of Thyroid Hormone Receptor α Gene Causing Resistance to Thyroid Hormone-A Chinese Kindred Report
 J-F Liu, B-Y Shi, J. L. Liu
 Department of Endocrinology, First Hospital Affiliated to Medical College of Xi'an Jiaotong University, Xi'an, China
- Program Number 60 Thyroid Diseases Thursday Poster Clinical
Secondary Polycythemia due to Graves Hyperthyroidism: A Case Report
 B. Y. Shi, J. F. Liu, X. J. Liu, Y. Wang
 Department of Endocrinology, The First Affiliated Hospital of Medical College of Xi'an Jiaotong University, Xi'an, China

Program Number 61 Thyroid Diseases Thursday Poster Clinical

Assessment of the efficacy of 131I treatment of hyperthyroidism

C. Gagnon¹, J. M. Beauregard², J. Verreault², J. P. Baillargeon¹, D. Bellabarba¹, M. F. Langlois¹

¹Endocrine Division, Faculté de Médecine et Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC, Canada; ²Department of Radiobiology and Nuclear Medicine, Faculté de Médecine et Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC, Canada

Program Number 62 Thyroid Diseases Thursday Poster Clinical

Clinical Ethics Dilemmas in Thyroid Disease: Consent, Capacity and Competency

M. S. Rosenthal

Program for Bioethics and Patients' Rights, University of Kentucky College of Medicine, Lexington, KY, USA

Program Number 63 Thyroid Diseases Thursday Poster Clinical

Availability of thyroid autoantibody levels in Graves' disease patients referred for ophthalmic care

S. A. Lauer¹, R. Z. Silkiss², A. Hornblass³

¹Department of Ophthalmology, Montefiore Medical Center/New York Eye and Ear Infirmary, New York, NY, USA; ²Department of Ophthalmology, University of California, San Francisco, Oakland, CA, USA; ³Department of Ophthalmology, Manhattan Eye, Ear and Throat Hospital, New York, NY, USA

Program Number 64 Thyroid Diseases Thursday Poster Clinical

A Case of Cervical Bronchogenic Cyst Presenting as a Thyroid Tumor

Y. W. Koh¹, S. Y. Lee², S. W. Lee¹, H. S. Hong³, H. K. Kim⁴

¹Department of Otolaryngology-Head & Neck surgery, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea; ²Department of Otolaryngology-Head & Neck surgery, Chung-Ang University, College of Medicine, Seoul, South Korea; ³Department of Radiology, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea; ⁴Department of Pathology, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea

Program Number 65 Thyroid Diseases Thursday Poster Clinical

A Case of Amiodarone Induced Thyrotoxicosis

A. V. Kurtev, A. Y. Kostova

Clinic of Pediatric Endocrinology, University Pediatric Hospital, Sofia, Bulgaria

Program Number 66 Thyroid Hormone Action Thursday Poster Basic

A TR β selective agonist confers resistance against diet-induced obesity

B. S. Amorim¹, L. E. Toriani¹, F. R. Freitas², C. H. Gouveia³, A. Bianco⁴, M. O. Ribeiro¹

¹Departamento de Biociências, Universidade Presbiteriana Mackenzie, Sao Paulo, Brazil; ²Departamento de Anatomia - ICB, Universidade de São Paulo, São Paulo, Brazil; ³Department of Anatomy, Institute of Biomedical Sciences, University of Sao Paulo, São Paulo, Brazil; ⁴Thyroid Section, Division of Endocrinology, Diabetes and Hypertension, Brigham and Women's Hospital - Harvard Medical School, Boston, MA, USA

Program Number 67 Thyroid Hormone Action Thursday Poster Basic

Thyroid Hormone Inhibits ERK Phosphorylation in Pressure Overload-Induced Hypertrophied Mouse Hearts

J. Suarez, W. H. Dillmann

Endocrinology and Metabolism, University of California, San Diego, La Jolla, CA, USA

Program Number 68 Thyroid Hormone Action Thursday Poster Clinical

Normal thyroid function and concentrations of serum lipids in a population study

B. O. Åsvold¹, L. J. Vatten¹, T. I. Nilsen¹, T. Bjørø²

¹Department of Public Health, Norwegian University of Science and Technology, Trondheim, Norway; ²Department of Medical Biochemistry, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway

Program Number 69 Thyroid Hormone Action Thursday Poster Basic

Enhanced Proliferation of Human Adenosquamous and Small Cell Lung Carcinoma Cells Directed from the Cell Surface by Thyroid Hormone

L. S. Lansing¹, F. B. Davis¹, T. R. Keating², P. J. Davis¹, A. Herbergs³, H. Y. Tang², J. J. Bergh¹, S. A. Mousa⁴, H. Y. Lin²

¹Signal Transduction Laboratory, Ordway Research Institute, Albany, NY, USA; ²Signal Transduction Laboratory, Stratton VA Medical Center, Albany, NY, USA; ³Brain Tumor Institute, Cleveland Clinic Foundation, Cleveland, OH, USA; ⁴Pharmaceutical Research Institute at Albany College of Pharmacy, Albany, NY, USA

- Program Number 70 Thyroid Hormone Action Thursday Poster Basic
Transgenic Homozygous Mice harboring a Mutated Human TRbeta1 cDNA Maintain, Lose or Acquire Sexual Dimorphism in Locomotor Activities (LMA)
 S. Benvenga¹, E. Itri², M. A. Pappalardo³, L. DeTolla², S. F. Yu², P. Hauser⁴, F. Trimarchi³, A. Amato⁵
¹Dipartimento Clinico Sperimentale di Medicina e Farmacologia & Progr. di Endocrinologia Molecolare Clinica, Sezione di Endocrinologia, Messina, Italy; ²University of Maryland, Comparative Medicine (Veterinary Resources), Baltimore, MD, USA; ³Dip. Clinico Sperimentale di Medicina e Farmacologia, Università di Messina, Sezione di Endocrinologia, Messina, Italy; ⁴Portland Veterans Affairs Medical Center, Department of Psychiatry at Oregon Health and Science University, Portland, OR, USA; ⁵Research Dept., Sigma-Tau, Inc., Gaithersburg, MD, USA
- Program Number 71 Thyroid Hormone Action Thursday Poster Clinical
Lipoprotein alterations, insulin sensitivity and hepatic lipase activity in subclinical hypothyroidism. Response to treatment with L-T4
 G. Brenta¹, G. Berg², P. Arias¹, V. Zago², M. Schnitman¹, M. L. Muzzio², I. Sinay¹, L. Schreier²
¹Division of Endocrinology and Metabolism, French Hospital of Buenos Aires, Buenos Aires, Argentina; ²Laboratory of Lipids and Lipoproteins, Department of Clinical Biochemistry, School of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina
- Program Number 72 Thyroid Hormone Action Thursday Poster Basic
Effect of thyroid hormone on TalphaT1 thyrotropic cells
 V. D. Sarapura, J. M. Kerr, J. R. Mitchell, J. E. Klass, W. M. Wood, E. C. Ridgway
 Medicine, Endocrinology, University of Colorado at Denver and Health Sciences Center, Aurora, CO, USA
- Program Number 73 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Suppression of iodide uptake and thyroid hormone synthesis with stimulation of type I interferon system by double-stranded RNA (dsRNA) in cultured human thyroid follicles
 K. Yamazaki¹, K. Suzuki², E. Yamada¹, T. Yamada¹, F. Takeshita³, T. Seya⁴, T. Obara⁵, K. Takano⁵, K. Sato⁵
¹Thyroid Disease Institute, Kanaji Hospital, Tokyo, Japan; ²Department of Bioregulation, National Institute of Infectious Diseases, Tokyo, Japan; ³Department of Molecular Biodefence Research, Yokohama City University Graduate School of Medicine, Yokohama, Japan; ⁴Department of Microbiology and Immunology, Hokkaido University Graduate School of Medicine, Sapporo, Japan; ⁵Institute of Clinical Endocrinology, Tokyo Women's Medical University, Tokyo, Japan
- Program Number 74 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
The functions of Pit1 for the GATA2-dependent transactivation in the thyrotropin β promoter
 S. Sasaki, Y. Kashiwabara, A. Matsushita, K. Nagayama, K. Ohba, H. Iwaki, H. Matsunaga, H. Misawa, K. Ishizuka, H. Nakamura
 Second Division of Internal Medicine, Hamamatsu University School of Medicine, Hamamatsu, Japan
- Program Number 75 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Iopanoic Acid Inhibits Epidermal Proliferation by Interfering with T₄ to T₃ Conversion
 J. D. Safer, K. Persons, M. F. Holick
 Endocrinology Section, Boston University School of Medicine, Boston, MA, USA
- Program Number 76 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Thyroid hormone may influence lipid metabolism through transcriptional regulation of the LXRA gene
 Y. J. Park, Y. Lee, S. Chua, D. D. Moore
 Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX, USA
- Program Number 77 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Thyroid Hormone Receptor Alpha1, Alpha2 and Beta1 Gene Expression in the Human Heart
 L. Sabatino¹, E. Gliozheni², M. Nannipieri³, F. Forini¹, G. Popoff², F. De Luca², F. Bigazzi¹, G. Iervasi¹
¹Institute of Clinical Physiology, CNR, Pisa, Italy; ²Hemodynamic Unit, Casa di Cura Villa Maria Beatrice Hospital, Firenze, Italy; ³Internal Medicine Department, University of Pisa, Pisa, Italy

Program Number 78 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Study of a Possible Association between Serum Levels of T4, T3 or TSH and the SNP S33P of the Monocarboxylate Transporter 8 (MCT8)

L. Domínguez-Gerpe¹, M. J. Iglesias-Fungueiro², O. Viéitez-Rodríguez², C. Areal-Méndez³, A. Eiras-Martínez³, E. San-José⁴, J. Lado-Abeal²

¹Thyroid and Metabolic Diseases Unit, Department of Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain; ²Thyroid and Metabolic Diseases Unit, Department of Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain; ³CTG, Centro de Transfusion de Galicia, Santiago de Compostela, Spain; ⁴Central Laboratory, CHUS, Santiago de Compostela, Spain

Program Number 79 Thyroid Hormone Metabolism and Regulation Thursday Poster Basic
Mathematical Modeling of the Hypothalamic-Pituitary-Thyroid Axis

M. C. Eisenberg¹, M. H. Samuels², J. J. DiStefano³

¹Biocybernetics Laboratory, UCLA, Los Angeles, CA, USA; ²Division of Endocrinology, Oregon Health & Science University, Portland, OR, USA; ³Biocybernetics Laboratory, Departments of Computer Science, Medicine & Biomedical Engineering, UCLA, Los Angeles, CA, USA

Program Number 80 Thyroid Imaging Thursday Poster Clinical
Clinical Evaluation of Real-Time Tissue Elastography (RTE) for the Differential Diagnosis of Thyroid Follicular Lesions

N. Fukunari, K. Arai, A. Nakamura, T. Yamazaki

Department of Surgery, Showa University, School of Medicine, Northern Yokohama Hospital, Yokohama, Kanagawa, Japan

Program Number 81 Thyroid Imaging Thursday Poster Clinical
Thyroid carcinoma in Fluorodeoxyglucose whole body positron emission tomography (PET) positive thyroid "incidentalomas"

D. King¹, B. Stack¹, D. Bodenner²

¹Otolaryngology, University of Arkansas for Medical Sciences, Little Rock, AR, USA; ²Geriatrics and Otolaryngology, Arkansas Cancer Research Center, Thyroid Clinic, University of Arkansas for Medical Sciences and Central Arkansas VA Medical Center, Little Rock, AR, USA

Program Number 82 Thyroid Imaging Thursday Poster Clinical
Feasibility of Simultaneous Display of Thyroid Function and Structure Images: Assemblage of Scintiscanning and Ultrasonography

M. Blum¹, M. Leone², M. E. Noz³, J. Yee³

¹Medicine (Endocrinology) and Radiology (Nuclear Medicine), New York University Medical Center, New York, NY, USA; ²Endocrinology, New York University Medical Center, New York, NY, USA; ³Radiology, New York University Medical Center, New York, NY, USA

Program Number 83 Thyroid Nodules and Goiter Thursday Poster Clinical
In the evaluation of a patient with a thyroid nodule, younger age and male sex independently increase the risk of thyroid cancer

L. Yassa¹, E. Marqusee¹, C. B. Benson², M. C. Frates², P. M. Doubilet², E. S. Cibas³, V. Nosé³, B. W. Kim¹, A. A. Gawande⁴, F. D. Moore⁴, P. R. Larsen¹, E. K. Alexander¹

¹Thyroid Unit, Division of Endocrinology, Hypertension, and Diabetes, Brigham and Women's Hospital /; ²Dept. of Radiology, Brigham and Women's Hospital /; ³Dept. of Pathology, Brigham and Women's Hospital /; ⁴Dept. of Surgery, Brigham and Women's Hospital / Harvard Medical School, Boston, MA, USA

Program Number 84 Thyroid Nodules and Goiter Thursday Poster Clinical
The Presence of Cytologic Atypia in Benign and Malignant Thyroid Fine Needle Aspirates

R. Redman, B. J. Yoder, N. A. Massoll

Department of Pathology, University of Florida, Gainesville, FL, USA

Program Number 85 Thyroid Nodules and Goiter Thursday Poster Clinical
Endemic goiter in Japan

S. Fukata¹, A. Hishinuma², H. Ohye¹, C. Tomoda³, T. Ieiri², T. Uruno³, A. Miyauchi³, K. Kuma³, N. Amino⁴

¹Internal medicine, Kuma hospital, Kobe, Japan; ²Department of Clinical Laboratory Medicine, Dokkyo University School of Medicine, Tochigi, Japan; ³Department of Surgery, Kuma Hospital, Kobe, Japan; ⁴Department of Internal Medicine, Kuma Hospital, Kobe, Japan

Program Number 86 Thyroid Nodules and Goiter Thursday Poster Clinical
High precision echo-guided fine needle aspiration (FNA): a new "one shot" method
 P. De Remigis, P. Ranieri, A. De Remigis, L. Vianale
 Endocrine Unit, General Hospital, Chieti, Italy

10:30 am – Noon Akimel O’otham 3, 4
Thyroid Hormone Receptor: 20 years of Discovery
Moderator: Herbert H. Samuels

Dedicated to the memory of Jack H. Oppenheimer

Ronald M. Evans, Ph.D. Professor / Investigator The Salk Institute La Jolla, California	Björn Vennström Professor Karolinska Institute Stockholm, Sweden
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Noon – 1:15 pm Pipai Kave
Poster Session and Lunch Akimel O’otham Foyer

Noon – 1:15 pm Akimel O’otham #1
Fellows "Meet the Editors" Lunch
1:15
Thyroid Editorial Board Luncheon

1:15 – 2:15 pm Check Ticket for Room Assignment
Thursday Meet the Professors Workshops (Concurrent)

Histopathology of aggressive thyroid cancer	Virginia LiVolsi
Use and interpretation of PET scanning	Sophie Leboulleux
Use of Lithium in treatment of Thyroid cancer	Jacqueline Jonklaas
Indeterminate FNA cytology	Nicole Massoll
Review of ATA Guidelines for thyroid nodules and cancer	David Cooper
BRAF Mutation in Thyroid Cancer: Clinical Implications	Mingzhao Xing
Apical iodide efflux via pendrin	Peter Kopp
A role for TRalpha 2 in thyroid hormone action	Ronald J. Koenig

2:15 – 3:45 pm **Simultaneous Sessions - Oral Abstracts**

Akimel O’otham 3, 4
CLINICAL
Thyroid Disease and Pregnancy
Chairs: Erik Alexander and Kathryn Schuff

Program Number 87 Thyroid Diseases Thursday Oral Clinical 2:15 pm
Antithyroid drug therapy for Graves’ disease during pregnancy: mildest thyrotoxic maternal free thyroxine concentrations to avoid fetal hypothyroidism
 N. Momotani¹, S. Iwama¹, J. Y. Noh², N. Ishikawa³, K. Momotani⁴, K. Ito⁵, K. Ito⁶
¹Department of Endocrinology, Tokyo Health Service Association, Tokyo, Japan; ²Internal Medicine, Ito Hospital, Tokyo, Japan; ³Internal Medicine, Ishikawa Clinic, Chiba, Japan; ⁴Department of Molecular Physiology & Biological Physics, University of Virginia, Charlottesville, VA, USA; ⁵Ito Hospital, Tokyo, Japan; ⁶Surgery, Ito Hospital, Tokyo, Japan

Program Number 88 Thyroid Diseases Thursday Oral Clinical 2:30 pm
Do Trends in the Distribution of Neonatal TSH Reflect Alterations in Maternal Dietary Iodine Intake in Pregnancy?
 R. A. Burns¹, P. Mayne², D. Smith¹, M. Higgins³, A. Staines⁴, C. O’Herlihy³, P. Smyth¹
¹UCD Conway Institute, University College Dublin, Dublin 4, Ireland; ²Dept Pathology, Children’s University Hospital, Dublin 1, Ireland; ³National Maternity Hospital, Dublin 2, Ireland; ⁴School of Medicine and Medical Science, University College Dublin, Dublin 4, Ireland

Program Number 89 Thyroid Diseases Thursday Oral Clinical 2:45 pm
Evaluation of low TSH in early gestation
 M. Kaklamanou, A. B. Parkes, I. L. Taylor, J. H. Lazarus
 Centre for Endocrine & Diabetes Sciences, Cardiff University School of Medicine, Cardiff, United Kingdom

Program Number 90 Thyroid Cancer Thursday Oral Clinical 3:00 pm
Pregnancy is often associated with minor serum Tg elevations without structural evidence of new metastatic lesions in patients previously treated for differentiated thyroid cancer
 R. Leboeuf, L. Emerick, A. J. Martorella, R. M. Tuttle
 Endocrinology Service, Memorial Sloan-Kettering Cancer Center, New York, NY, USA

Program Number 91 Iodine Uptake and Metabolism Thursday Oral Clinical 3:15 pm
Effects of Perchlorate Exposure and Smoking on Breast Milk Iodine in Lactating Boston-Area Women
 E. N. Pearce¹, A. Leung¹, B. C. Blount², H. R. Bazrafshan³, X. He¹, S. Pino¹, L. Valentin-Blasini², L. E. Braverman¹
¹Section of Endocrinology, Diabetes, and Nutrition, Boston University Medical Center, Boston, MA, USA; ²Division of Laboratory Sciences, National Center for Environmental Health, Centers for Disease Control and Prevention, Atlanta, GA, USA; ³Gorgan Medical Faculty, Golestan University of Medical Sciences, Gorgan, Iran

Program Number 92 Autoimmunity Thursday Oral Clinical 3:30 pm
Thyroid disease and pregnancy: Degrees of Knowledge
 M. D. Rinaldi¹, A. Stagnaro-Green²
¹New Jersey Medical School, Newark, NJ, USA; ²Medicine-Division of Endocrinology, UMDNJ-New Jersey Medical School, Newark, NJ, USA

Akimel O'otham 1, 2

BASIC

Thyroid Cell Biology and Cancer

Chairs: Jerome Hershman and Matthew Ringel

Program Number 93 Thyroid Cancer Thursday Oral Basic 2:15 pm
P53 Mutations Stimulate Galectin-3 Expression and Increase Proliferation of Anaplastic Thyroid Carcinoma Cell Lines
 L. Lavra¹, A. Ulivieri², R. Dominici³, M. Trovato⁴, E. Brunetti⁵, F. Frasca⁶, S. Soddu⁷, A. Bartolazzi⁸, S. Sciacchitano⁹
¹Centro Ricerca, Ospedale S Pietro FBF, Università di Roma, Rome, Italy; ²Centro Ricerca, Ospedale S.Pietro Fatebenefratelli, AFaR, Rome, Italy; ³Ist. di Neurobiologia e Medicina Molecolare, CNR, Rome, Italy; ⁴Dip. di Patologia Umana, Policlinico Universitario, Messina, Italy; ⁵Centro Ricerca Osp. S.Pietro Fatebenefratelli, AFaR, Rome, Italy; ⁶Dip. Medicina Interna e Medicina Specialistica – Endocrinologia,, Univ. di Catania, Catania, Italy; ⁷Oncologia Sperimentale, Istituto Regina Elena, Rome, Italy; ⁸Dip. Patologia, Ospedale S. Andrea, Università di Roma "La Sapienza", Rome, Italy; ⁹Dip. di Medicina Sperimentale e Patologia, 2° Facoltà di Medicina e Chirurgia, Università "La Sapienza", Rome, Italy

Program Number 94 Thyroid Cancer Thursday Oral Basic 2:30 pm
Estrogen promotes the growth of thyroid cancer cells via estrogen receptor alpha, activation of ERK and enhancement of Bcl-2
 G. G. Chen, Q. Zeng, A. C. Vlantis, A. C. Van Hasselt
 Surgery, The Chinese University of Hong Kong, Hong Kong, Hong Kong

Program Number 95 Thyroid Cancer Thursday Oral Basic 2:45 pm
Acquired Resistance to a Rexinoid and TZD in the Anaplastic Thyroid Cancer Cell Line DRO Occurs in Part through Decreased PPAR γ Expression
 J. P. Klopper, A. J. Berenz, B. R. Haugen
 Department of Medicine, University of Colorado Cancer Center, Division of Endocrinology, Metabolism and Diabetes, University of Colorado at Denver and Health Sciences Center, Aurora, CO, USA

Program Number 96 Cell Biology Thursday Oral Basic 3:00 pm
Molecular mechanisms of genotoxic stress-induced MHC class I-related chain A and B expression in thyroid tumor cell lines
 X. Xu, G. Rao, C. Solorzano, R. A. Prinz
 Department of General Surgery, Rush University Medical Center, Chicago, IL, USA

Program Number 97 Thyroid Cancer Thursday Oral Basic 3:15 pm
Targeting p55PIK of PI 3-kinase regulatory subunit inhibits the proliferation of human thyroid cancer cells
 X. Xia¹, A. Cheng², T. Fojo³, P. Yen⁴
¹Division of Endocrinology, Johns Hopkins Bayview Medical Center, Baltimore, MD, USA; ²Laboratory of Neuroscience, GRC, NIA, Baltimore, MD, USA; ³Medicine Branch, DCS, NCI, NIH, Bethesda, MD, USA; ⁴Division of Endocrinology, Johns Hopkins Bayview Medical Center, Baltimore, MD, USA

Program Number 98 Thyroid Cancer Thursday Oral Basic 3:30 pm
Growth inhibitory effect of let-7 microRNA in papillary thyroid cancer cells
 J. C. Ricarte-Filho, M. J. Da Silva, E. T. Kimura
 Department of Cell and Developmental Biology, University of Sao Paulo, Sao Paulo, Brazil

3:45 – 4:15 pm Pipai Kave
Poster Session and Break Akimel O’otham Foyer

4:30 pm Pipai Kave
Exhibit Hall Close

4:15 – 5:00 pm Akimel O’otham 3, 4

Clark T. Sawin Historical Vignette

The Clark T. Sawin History Resource Center supports this historical lecture and memorializes the work of Dr. Sawin, who served as chair of the history and archives group for many years; as the presenter of the history vignette at ATA annual meetings from 1993 - 2003; and as president of the ATA 2003-2004.

“Uncharted Seas: The Life of Fuller Albright”

D. Lynn Loriaux, MD, PhD, FACP
Professor of Medicine
Chairman, Department of Medicine
Oregon Health Sciences University
Portland, Oregon

5:00 – 6:00 pm Akimel O’otham 1, 2
ATA Members Business Meeting

6:30 – 10:00 pm *Buses leave from Kave Foyer - Conference Center Entrance*
Social event – Barbeque under the Stars (ticket required)

Friday, October 13, 2006

6:00 am – 6:00 pm Ant
ATA Fellows Track Room (See Fellows schedule posted daily)

6:00 am Akimel O’otham 1, 2
Breakfast

6:30 – 7:45 am Akimel O’otham 1, 2 *Supported by an educational grant from Abbott*
CME symposium

New Insights: Treatment Decisions for milder thyroid disease

Moderator: Susan J. Mendel

Subclinical Thyroid disease and Cognitive Function Mary Samuels

Subclinical Thyroid Disease and Pregnancy: Evidence-based recommendations for the new guidelines Leslie DeGroot

Is subclinical thyroid disease a cardiovascular risk factor? Paul Ladenson

8:00 – 8:45 am Akimel O’otham 3, 4 *Supported by an educational grant from Quest Diagnostics, Inc.*

The Van Meter Award Lecture

Established in 1930, recognizes outstanding contributions to research on the thyroid gland or related subjects. The award is given each year to an investigator who is not older than the age of 45 in the year of the award. The Van Meter award winner is kept secret until the time of the award lecture during the annual meeting.

8:45 – 10:00 am **Simultaneous symposia**

Akimel O’otham 3, 4

Thyroid Disease: Bench to Bedside

Moderator: Peter A. Singer

TSH Regulation E. Chester Ridgway

Thyroid Ophthalmopathy Rebecca Bahn

Thyroid Function Impact on Bone Mone Zaidi

Akimel O’otham 1, 2

Thyroid and the heart

Moderator: Donald St. Germain

Basic insights into thyroid hormone action in the heart Wolfgang Dillmann

Thyroid hormone and cardiac myocyte hypertrophy Carlin S. Long

Thyroid hormone and heart disease Irwin Klein

9:00 am Pipai Kave

Exhibit Hall Open

ATA website and members-only demonstration

All ATA meeting attendees: Check your email

10:00 – 10:30 am Pipai Kave

Poster Session and Break

Akimel O’otham Foyer

Program Number 99 Autoimmunity Friday Poster Basic
Expression of NF-kappaB in Hashimoto’s thyroiditis and its correlation with vimentin expression

D. Wang, Z. Wang, J. Wang, W. Wang, W. Zhang, Y. Li, L. Wang, G. Huang

Department of Pathology, Fourth Military Medical University, Xi’an, China

Program Number 100 Autoimmunity Friday Poster Basic
Association of PTPN22 haplotypes with Graves’ disease

J. M. Heward¹, O. J. Brand¹, J. Barrett², J. Carr-Smith¹, J. A. Franklyn¹, S. C. L. Gough¹

¹Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom; ²University of Oxford, Oxford, United Kingdom

Program Number 101 WITHDRAWN

- Program Number 102 Autoimmunity Friday Poster Basic
Enhancement of the regulatory T cell proliferation by TRAIL
 S. H. Wang, G. H. Chen, M. Van Antwerp, J. R. Baker Jr.
 Department of Internal Medicine, University of Michigan, Ann Arbor, MI, USA
- Program Number 103 Autoimmunity Friday Poster Clinical
Single nucleotide polymorphisms of immunoregulatory genes in thyroid and polyglandular autoimmunity
 G. Kahaly
 Endocrine Research Laboratory, Department of Medicine, Gutenberg University Hospital, Mainz, Germany
- Program Number 104 Autoimmunity Friday Poster Clinical
Role of eye muscle antibody testing in the diagnosis of acute orbital myositis
 B. Gopinath¹, J. Tani¹, N. Beard², R. M. Gan¹, J. Wall¹
¹Department of Medicine, University of Sydney, Penrith, Australia; ²Division of Molecular Bioscience, Australian National University, Canberra, Australia
- Program Number 105 Autoimmunity Friday Poster Basic
Characterization of the Human Thyrotropin Receptor Promoter in Transfected Rat Thyroid FRT cells
 K. K. Bhattacharyya, N. L. Eberhardt, R. S. Bahn
 Division of Endocrinology, Mayo Clinic, Rochester, MN, USA
- Program Number 106 Autoimmunity Friday Poster Basic
Iodine-induced thyroiditis in nonobese diabetic mice lacking Fc γ receptor III and Fc receptor γ -chain
 H. Ozaki
 Endocrinology, Tohoku University Graduate School of Medicine, Sendai, Japan
- Program Number 107 Cell Biology Friday Poster Basic
Formation of functional DEHAL1 complexes: implications for the pathogenesis of iodotyrosine deiodinase deficiency
 J. C. Moreno¹, W. Klootwijk¹, D. Goudie², M. Polak³, A. Grueters⁴, T. J. Visser¹
¹Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands; ²Clinical Genetics, Ninewells hospital, Dundee, United Kingdom; ³Pediatric Endocrinology, Necker Enfants Malades Hospital, Paris, France; ⁴Pediatric Endocrinology, Charite Children's Hospital, Berlin, Germany
- Program Number 108 Cell Biology Friday Poster Basic
Tetraiodothyroacetic Acid (Tetrac) Inhibits Angiogenesis
 S. A. Mousa¹, L. J. O'Connor¹, F. B. Davis², J. J. Bergh², P. J. Davis³
¹Pharmaceutical Research Institute at Albany College of Pharmacy, Albany, NY, USA; ²Signal Transduction Laboratory, Ordway Research Institute, Albany, NY, USA; ³Ordway Research Institute and Stratton VA Medical Center, Albany, NY, USA
- Program Number 109 Cell Biology Friday Poster Basic
MCT8 expression is developmentally regulated in the rodent lung
 T. P. Rich¹, T. W. Bastian², D. H. Ingbar³, G. Anderson⁴
¹Dept of Medicine, Division of Pulmonology, Allergy and Critical Care Medicine, University of Minnesota-Mpls, School of Medicine, Minneapolis, MN, USA; ²College of Pharmacy Duluth, University of Minnesota Duluth, Duluth, MN, USA; ³Dept of Medicine, Division of Pulmonology, Allergy and Critical Care Medicine, University of Minnesota-Mpls, School of Medicine, Minneapolis, MN, USA; ⁴College of Pharmacy Duluth, University of Minnesota, Duluth, MN, USA
- Program Number 110 Iodine Uptake and Metabolism Friday Poster Basic
Iodine alters gene expression profile in the MCF-7 breast cancer cell line
 F. R. Stoddard¹, K. Shah², G. Johannes³, B. Eskin⁴, A. Brooks²
¹Molecular Pathobiology, Drexel University College of Medicine, Philadelphia, PA, USA; ²Surgery, Drexel University College of Medicine, Philadelphia, PA, USA; ³Molecular Pathobiology, Drexel University College of Medicine, Philadelphia, PA, USA; ⁴Obstetrics and Gynecology, Drexel University College of Medicine, Philadelphia, PA, USA
- Program Number 111 Iodine Uptake and Metabolism Friday Poster Basic
Effect of systemic treatment with retinoic acid and dexamethasone on functional sodium iodide symporter expression in mouse breast cancer xenografts
 M. J. Willhauck¹, B. R. Sharif Samani¹, R. Senekowitsch-Schmidtke², B. Göke¹, J. C. Morris³, C. Spitzweg¹
¹Department of Internal Medicine II, Klinikum Grosshadern, Ludwig-Maximilians-University, Munich, Germany; ²Department of Nuclear Medicine, Klinikum rechts der Isar, Technical University, Munich, Germany; ³Division of Endocrinology and Metabolism, Mayo Clinic, Rochester, MN, USA

- Program Number 112 Iodine Uptake and Metabolism Friday Poster Basic
Differential gene expression analysis of iodine treated rat follicular cell
 S. G. Leoni¹, P. A. Galante², J. C. M. Ricarte-Filho¹, E. T. Kimura¹
¹Department of Cell and Developmental Biology, University of São Paulo, São Paulo, Brazil; ²Laboratory of Computational Biology, Ludwig Institute for Cancer Research, São Paulo, Brazil
- Program Number 113 Iodine Uptake and Metabolism Friday Poster Basic
Seaweed Surpasses the Thyroid in Iodide Uptake, Retention and Storage
 C. Cloughley¹, E. Burbridge¹, S. Kraan², P. Smyth¹
¹UCD School of Medicine and Medical Science, University College Dublin, Dublin 4, Ireland; ²Martin Ryan Institute, NUI, Galway, Galway, Ireland
- Program Number 114 Iodine Uptake and Metabolism Friday Poster Clinical
The Impact on Serum Calcium of the Treatment of Hyperthyroidism (HT) with I-131
 D. J. Stocker¹, J. S. Jurgens¹, A. L. Stack¹, H. B. Burch²
¹Nuclear Medicine Service, Walter Reed Army Medical Center, Washington, DC, USA; ²Endocrinology Service, Walter Reed Army Medical Center, Washington, DC, USA
- Program Number 115 Thyroid and Development Friday Poster Basic
Regulation of the thyroid axis in developing *Xenopus laevis*
 K. R. Thoenke¹, J. J. Korte², L. M. Korte³, J. M. Olson³, J. E. Tietge², S. J. Degitz²
¹National Research Council, US EPA, Duluth, MN, USA; ²Mid-Continent Ecology Division, US EPA, Duluth, MN, USA; ³Student Services Contractor, US EPA, Duluth, MN, USA
- Program Number 116 Thyroid Cancer Friday Poster Basic
Pituitary tumor transforming gene (PTTG) stimulates thyroid cell proliferation via a VEGF/KDR/ID3 autocrine pathway
 D. S. Kim¹, J. A. Franklyn¹, K. Boelaert¹, J. C. Watkinson², M. C. Eggo¹, C. J. McCabe¹
¹Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom; ²Dept of Otolaryngology, University of Birmingham, Birmingham, United Kingdom
- Program Number 117 Thyroid Cancer Friday Poster
Papillary Thyroid Cancers and the Innate Immune Response: Ret and Braf Induce Expression of Macrophage Chemoattractants in Vitro and in Vivo
 M. Ryder¹, E. P. Smith², C. O. Mesa³, T. J. Giordano⁴, J. A. Knauft², J. A. Fagin⁵
¹Endocrinology and Metabolism, University of Cincinnati, Cincinnati, OH, USA; ²Division of Endocrinology, University of Cincinnati, Cincinnati, OH, USA; ³Internal Medicine Department, Federal University of Parana, Brazil, Curitiba, Brazil; ⁴Pathology, University of Michigan Medical School, Ann Arbor, MI, USA; ⁵Vontz Center for Molecular Studies, University of Cincinnati College of Medicine, Cincinnati, OH, USA
- Program Number 118 Thyroid Cancer Friday Poster Clinical
Is FDG-PET Useful for Differential Diagnosis of Malignant Tumor in Patients with Thyroid Nodules with Cytologically Diagnosed Follicular Neoplasm?
 T. Y. Kim¹, J. M. Kim¹, J. S. Ryu², G. Gong³, S. J. Hong⁴, Y. K. Shong¹
¹Department of Internal Medicine, Asan Medical Center, Seoul, South Korea; ²Department of Nuclear Medicine, Asan Medical Center, Seoul, South Korea; ³Department of Pathology, Asan Medical Center, Seoul, South Korea; ⁴Department of Surgery, Asan Medical Center, Seoul, South Korea
- Program Number 119 Thyroid Cancer Friday Poster Basic
Heterogeneous BRAF Status in Multifocal Thyroid Carcinomas and in Their Corresponding Metastases
 R. Giannini, C. Ugolini, C. Lupi, P. Miccoli, F. Basolo
 Surgery, University of Pisa, PISA, Italy
- Program Number 120 MOVED TO PROGRAM NUMBER 97
- Program Number 121 Thyroid Cancer Friday Poster Clinical
KOC (K-Homology-Domain-Containing-Protein Overexpressed in Cancer) Expression in Thyroid Neoplasms
 M. Slosar¹, M. Prasad², V. Poonam², M. Safran³, K. L. Rock², A. Fischer², R. Quinlan⁴, A. Khan²
¹Pathology, University Of Massachusetts Medical School, Worcester, MA, USA; ²Pathology, University of Massachusetts Medical School, Worcester, MA, USA; ³Endocrinology, University of Massachusetts Medical School, Worcester, MA, USA; ⁴Surgery, University of Massachusetts Medical School, Worcester, MA, USA

- Program Number 122 Thyroid Cancer Friday Poster Clinical
Prognostic value of the 6th edition UICC TNM classification for differentiated thyroid carcinoma with extrathyroid extension
 N. Wada¹, H. Nakayama¹, Y. Masudo², N. Suganuma¹, Y. Rino¹, M. Masuda¹, T. Imada¹
¹Department of General Surgery, Yokohama City University, Yokohama, Japan; ²Department of General Surgery, Yokohama City University Medical Center, Yokohama, Japan
- Program Number 123 Thyroid Cancer Friday Poster Clinical
Node Sampling in Thyroid Cancer
 J. C. Furlan
 Surgery, Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada
- Program Number 124 Thyroid Cancer Friday Poster Basic
The Proteasome Inhibitors Induce Apoptosis of Anaplastic Thyroid Cancer Cells
 Y. Takiyama¹, N. Aoki², K. Ito³, M. Haneda¹
¹The Second Department of Internal Medicine, Asahikawa Medical College, Asahikawa, Japan; ²Department of Pathology, Asahikawa Medical College, Asahikawa, Japan; ³Ito Hospital, Tokyo, Japan
- Program Number 125 Thyroid Cancer Friday Poster Clinical
Diagnostic and Prognostic Implications of the I 131 Dose Selection in the First Post-Ablation Scan in Patients with Differentiated Thyroid Carcinoma: a Multicenter Survey
 G. Melado¹, A. Mollerach¹, M. G. Repetto¹, C. Tajer², A. Lowenstein³, C. Cabezon³
¹On behalf of the Argentine multicenter survey of thyroid cancer, Argentine Association of Nuclear Biology and Medicine, Capital Federal, Argentina; ²GEDIC, Capital Federal, Argentina; ³Thyroid Division, Argentine Society of Endocrinology and Metabolism, Capital Federal, Argentina
- Program Number 126 Thyroid Cancer Friday Poster Basic
Ras induces cell cycle dependent apoptosis with concomitant checkpoint activation
 A. J. Fikaris¹, A. E. Lewis², A. Abulaiti¹, O. M. Tsygankova¹, J. L. Meinkoth¹
¹Department of Pharmacology, University of Pennsylvania, School of Medicine, Philadelphia, PA, USA; ²Institute for Anatomy and Cell Biology, Department of Biomedicine, University of Bergen, 5009 Bergen, Norway
- Program Number 127 Thyroid Cancer Friday Poster Clinical
Predictive factors for carcinoma in patients with follicular thyroid neoplasm
 N. Besic, M. Seseck, J. Zgajnar, M. Hocevar
 Surgical Oncology, Institute of Oncology, Ljubljana, Slovenia
- Program Number 128 Thyroid Cancer Friday Poster Clinical
Differentiated thyroid cancer presenting with metastatic disease: Clinical Management and Outcome
 R. W. Tsang¹, E. Sampson¹, L. W. Le², L. Rotstein³, J. D. Brierley¹
¹Radiation Oncology, University of Toronto, Toronto, ON, Canada; ²Clinical Study co-ordination and Biostatistics, University of Toronto, Toronto, ON, Canada; ³Surgery, University of Toronto, Toronto, ON, Canada
- Program Number 129 Thyroid Cancer Friday Poster Clinical
Medullary Thyroid Carcinoma with Humoral Hypercalcemia of Malignancy: a Case Report
 C. F. Yazbeck, G. G. Sayegh, S. I. Sherman, A. O. Hoff
 Department of Endocrine Neoplasia and Hormonal Disorders, The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA
- Program Number 130 Thyroid Cancer Friday Poster Clinical
Papillary Thyroid Carcinoma (PTC) in Juvenile Patients: Age and Clinical Findings at Diagnosis as Predictors of Tumor Aggressiveness
 V. C. Herzovich¹, S. Iorcansky¹, R. Rubio², G. Gallo³
¹Endocrinología, Hospital Nacional de Pediatría, Buenos Aires, Argentina; ²Surgery, Hospital Nacional de Pediatría, Buenos Aires, Argentina; ³Pathology, Hospital Nacional de Pediatría, Buenos Aires, Argentina
- Program Number 131 Thyroid Cancer Friday Poster Basic
Evaluation of Somatostatin Receptor (SSTR) Response to Recombinant Human Thyroid Stimulating Hormone (rhTSH) in Select Thyroid Cancer Cell Lines
 I. Robbins¹, Y. N. Vaishnav¹, J. Anderson², Y. Lukes², B. J. Reinhardt², S. G. Barnes², M. Ringel³, M. Saji³, C. H. B. Burch¹, L. V. J. Bernet¹
¹Endocrinology Service, Walter Reed Army Medical Center, Washington, DC, USA; ²Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, USA; ³Divisions of Endocrinology, Oncology, and Human Cancer Genetics, Ohio State University, Columbus, OH, USA

- Program Number 132 Thyroid Cancer Friday Poster Clinical
Comparison of whole body scans (WBS) uptakes after the administration of therapeutic radioiodine doses in patients with metastatic thyroid cancer prepared firstly after thyroid hormone withdrawal and then by using rhTSH
 F. Pitoia¹, E. El Tamer², M. E. Salvai¹, M. B. Zanchetta¹, H. Niepomnische¹
¹Division of Endocrinology, Hospital de Clinicas-University of Buenos Aires, Buenos Aires, Argentina; ²Center of Nuclear Medicine-UBA-CNEA, Hospital de Clinicas-University of Buenos Aires, Buenos Aires, Argentina
- Program Number 133 Thyroid Cancer Friday Poster Clinical
Clinical Utility and Cost-Effectiveness of Intraoperative Frozen Section for Follicular Thyroid Neoplasms
 M. C. Miller¹, C. Rubin¹, M. Cunnane², M. Bibbo², J. L. Miller³, E. A. Pribitkin¹, W. M. Keane¹
¹Department of Otolaryngology - Head and Neck Surgery, Thomas Jefferson University Hospital, Philadelphia, PA, USA; ²Department of Pathology, Anatomy, and Cell Biology, Thomas Jefferson University Hospital, Philadelphia, PA, USA; ³Department of Medicine - Division of Endocrinology, Thomas Jefferson University Hospital, Philadelphia, PA, USA
- Program Number 134 Thyroid Cancer Friday Poster Clinical
Evidence of Acute Pancreatitis on PET Imaging in a Patient with Poorly Differentiated Thyroid Cancer Treated with Rosiglitazone
 H. L. Hofflich¹, A. Elias¹, P. Lizotte²
¹Endocrinology, Diabetes, and Metabolism, University of California, Irvine, Irvine, CA, USA; ²Department of Radiology, University of California, Irvine, Orange, CA, USA
- Program Number 135 Thyroid Cancer Friday Poster Clinical
Long Term Follow up of Peripheral Thyroglobulin mRNA and Serum Thyroglobulin Concentrations after Radioiodine Ablation in Patients with Differentiated Thyroid Cancer
 R. Possato, I. G. S. Rubio, M. Knobel, E. K. Tomimori, R. Y. A. Camargo, G. Medeiros-Neto
 Thyroid Unit (LIM-25), University of Sao Paulo Medical School, Sao Paulo, Brazil
- Program Number 136 Thyroid Cancer Friday Poster Clinical
Microcancer of the Thyroid Gland and Its Biological Behaviour
 I. B. Rosen
 Department of Surgery, Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada
- Program Number 137 Thyroid Cancer Friday Poster Clinical
Familial Papillary Thyroid Carcinoma
 Q. H. Ji¹, L. Zhang², Y. X. Zhu²
¹Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China; ²Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China
- Program Number 138 Thyroid Cancer Friday Poster Clinical
<21 Year-Old Papillary Thyroid Patients with Bilateral Cervical Metastases
 L. Zhang¹, Q. H. Ji²
¹Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China; ²Head and Neck Surgery Department, Fudan University Cancer Hospital, Shanghai, China
- Program Number 139 Thyroid Cancer Friday Poster Clinical
Expression and role of estrogen receptor beta in medullary thyroid carcinoma
 M. Cho¹, M. K. Lee², C. S. Park³, W. I. Yang⁴, S. K. Lim⁵, E. J. Lee⁶
¹Division of Endocrinology, Thyroid Cancer Clinic, Yonsei University College of Medicine, Seoul, South Korea; ²Department of Pathology, National Health Insurance Medical Center, Ilsan, South Korea; ³Department of Surgery, Yonsei University College of Medicine, Seoul, South Korea; ⁴Department of Pathology, Yonsei University College of Medicine, Seoul, South Korea; ⁵Division of Endocrinology, Thyroid Cancer Clinic, Yonsei University College of Medicine, Seoul, South Korea; ⁶Division of Endocrinology, Thyroid Cancer Clinic, Endocrinology, Metabolism, & Molecular Medicine, Yonsei University College of Medicine, Northwestern University, Feinberg School of Medicine, Seoul, South Korea
- Program Number 140 Thyroid Cancer Friday Poster Basic
Medullary thyroid carcinoma with metastasis to the pituitary gland in a MEN2b patient: a case report
 G. G. Sayegh¹, C. F. Yazbeck¹, L. Santarpia¹, D. B. Evans², P. M. Hoff³, R. F. Gagel⁴, A. O. Hoff¹
¹Department of Endocrine Neoplasia and Hormonal Disorders, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ²Department of Surgical Oncology, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ³Department of Gastrointestinal Medical Oncology, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA; ⁴Department of Internal Medicine, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA

- Program Number 141 Thyroid Cancer Friday Poster Clinical
Functional bone metastasis from follicular thyroid cancer
 S. Hatori, I. Han, H. Murakami, M. Suzuki, M. Yamakawa, H. Iwasaki
 Department of Surgery, Atami Hospital, International University of Health and Welfare, Atami, Japan
- Program Number 142 Thyroid Cancer Friday Poster Clinical
Fine-needle aspiration of the thyroid gland. twelve years experience
 P. Grilli, C. D'Ercole, D. Vendettuoli, M. Vendettuoli, G. Di Rocco, D. Giannotti, S. Federici, A. Redler
 Department of Surgical Science, University of Rome La Sapienza, Rome, Italy
- Program Number 143 Thyroid Cancer Friday Poster Clinical
Exuberant fasciitis and papillary thyroid cancer
 M. H. Nathan¹, M. Harvey², J. Kikut³, R. A. Sofferman⁴
¹Endocrinology, University of Vermont/Fletcher Allen Health Care, Burlington, VT, USA; ²Pathology, University of Vermont/Fletcher Allen Health Care, Burlington, VT, USA; ³Radiology, University of Vermont/Fletcher Allen Health Care, Burlington, VT, USA; ⁴Surgery, University of Vermont/Fletcher Allen Health Care, Burlington, VT, USA
- Program Number 144 Thyroid Cancer Friday Poster Clinical
Adverse effect of long-term TSH suppression therapy in patients with differentiated thyroid cancer
 H. Iwasaki, M. Yamakawa, I. Han, H. Murakami, S. Hatori, M. Suzuki, Y. Takanashi
 Department of Surgery, Atami Hospital, International University of Health and Welfare, Atami, Japan
- Program Number 145 Thyroid Diseases Friday Poster
Influences of age, gender, smoking and family history on disease phenotype in autoimmune thyroid disease - a national UK study of 2805 subjects
 N. Manji¹, J. Carr-Smith¹, K. Boelaert¹, A. Allahabadia², M. Armitage³, K. Chatterjee⁴, J. H. Lazarus⁵, S. Pearce⁶, B. Vaidya⁷, S. C. L. Gough¹, J. A. Franklyn¹
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- Program Number 146 Thyroid Diseases Friday Poster Clinical
Chaos in the Calibrations of Analogue-Based Free T4 Assays
 K. S. Fritz¹, R. B. Wilcox¹, J. C. Nelson²
¹Department of Biochemistry and Molecular Biology, School of Medicine, Loma Linda University, Loma Linda, CA, USA; ²Department of Medicine and Pathology, School of Medicine, Loma Linda University, Loma Linda, CA, USA
- Program Number 147 Thyroid Diseases Friday Poster Clinical
Large Fetal Goiter in a Patient with Congenital Hypothyroidism is Associated with Intron Donor Site Mutation (g.IVS30+1G>T) of the Thyroglobulin Gene
 V. Pardo¹, I. G. S. Rubio¹, M. Knobel¹, M. H. Oliveira¹, M. Moura¹, C. Rivolta², H. M. Targovnik², G. Medeiros-Neto¹
¹Thyroid Unit (LIM-25), University of São Paulo Medical School, São Paulo, Brazil; ²Laboratorio de Biología Molecular, Cátedra de Genética e Biología Molecular, Facultad de Farmacia e Bioquímica, Universidad de Buenos Aires, Buenos Aires, Argentina
- Program Number 148 Thyroid Diseases Friday Poster Basic
Pitfalls in the Development of Synthetic Thyrotropin Receptor Antagonists
 S. Neumann¹, J. Childress¹, C. J. Thomas², H. Jaeschke¹, B. M. Raaka¹, M. C. Gershengorn¹
¹NIDDK, Clinical Endocrinology Branch, National Institutes of Health, Bethesda, MD, USA; ²NIDDK, Chemical Biology Core Facility, National Institutes of Health, Bethesda, MD, USA
- Program Number 149 Thyroid Diseases Friday Poster Clinical
Cardiovascular Risk with Subclinical Hyper- and Hypothyroidism: A Meta-analysis
 S. Singh¹, J. Duggal², J. Molnar¹, F. Maldonado³, R. Arora³
¹Medicine, Chicago Medical School, North Chicago, IL, USA; ²Medicine, Chicago Medical School (C.M.S.), North Chicago, IL, USA; ³Medicine, Chicago Medical School, North Chicago, IL, USA

- Program Number 150 Thyroid Diseases Friday Poster Clinical
Changes in thyroid function 3-5 weeks after ablation with radioactive iodine (I-131) for the treatment of hyperthyroidism
 L. Mutter¹, P. S. Arora²
¹Department of Medicine, University of Minnesota, Minneapolis, MN, USA; ²Division of Endocrinology, University of Minnesota, Saint Paul, MN, USA
- Program Number 151 Thyroid Diseases Friday Poster Clinical
Thrombin Activatable Fibrinolysis Inhibitor Antigen Levels in Hyperthyroid Patients
 B. Akinci¹, A. Comlekci¹, T. Demir¹, M. A. Ozcan², S. Yener¹, F. Yuksel², F. Bayraktar¹, S. Yesil¹
¹Endocrinology and Metabolism, Dokuz Eylul University, Izmir, Turkey; ²Hematology, Dokuz Eylul University, Izmir, Turkey
- Program Number 152 Thyroid Diseases Friday Poster Clinical
Clinical aspects of Hashimoto's thyroiditis
 K. Tsuboi, H. Ueshiba, R. Yuasa, M. Shimojo, N. Hiroi, M. Ishikawa, Y. Tsuchida, N. Watanabe, T. Ichijo, G. Yoshino
 Division of Diabetes, Metabolism and Endocrinology, Toho University School of Medicine, Tokyo, Japan
- Program Number 153 Thyroid Diseases Friday Poster Basic
Companion animals may serve as sentinels of health risk – a review of thyroid diseases in three non-human species
 C. H. Edinboro
 Health Sciences Practice, Exponent, Inc., Menlo Park, CA, USA
- Program Number 154 Thyroid Diseases Friday Poster Clinical
Prevalence TPO-Ab among patients with Amiodarone-Induce
 N. Kayumova, S. Ismailov, N. Abdusalamova
 Thyroidology department, Institute of Endocrinology, Tashkent, Uzbekistan
- Program Number 155 Thyroid Diseases Friday Poster Clinical
Clinical and Laboratory Recovery of Resistant Hypothyroidism after H.Pylori Eradication: a Case Report
 M. G. Taskale¹, A. B. Kumbasar², A. Soylu³, G. Esin², N. Yasar²
¹Division of Endocrinology and Diabetes, Internal Medicine, Dr. Sadi Konuk Research Hospital, Istanbul, Turkey; ²Internal Medicine Clinic, Dr. Sadi Konuk Research Hospital, Istanbul, Turkey; ³Division of Gastroenterology, Dr. Sadi Konuk Research Hospital, Istanbul, Turkey
- Program Number 156 Thyroid Diseases Friday Poster Clinical
A case of hyperthyroidism with severe diarrhea, chylous ascites and chylothorax
 N. Hiroi, Y. Sakamoto, Y. Fukuda, S. Nakano, S. Usui, K. Tsuboi, G. Yoshino
 Division of Diabetes, Metabolism and Endocrinology, Toho University School of Medicine, Tokyo, Japan
- Program Number 157 Thyroid Diseases Friday Poster Clinical
Hyperthyroidism and atrial myxoma – Carney complex or just chance?
 G. Kumar¹, J. T. Chow², D. S. Dean²
¹Internal Medicine, Mayo Clinic, Rochester, MN, USA; ²Internal Medicine/Endocrinology, Mayo Clinic, Rochester, MN, USA
- Program Number 158 Thyroid Diseases Friday Poster Clinical
Thyrotoxic Periodic Paralysis in a Hispanic Man
 M. H. Horani¹, B. Majeed²
¹Internal Medicine, Banner Good Samaritan Medical, Scottsdale, AZ, USA; ²Department of Internal Medicine, Banner Good Samaritan Medical Center, Scottsdale, AZ, USA
- Program Number 159 Thyroid Diseases Friday Poster Clinical
Variable hyperthyroxinemia and atrial fibrillation in a patient with a microadenoma
 L. W. Greene¹, M. Leone²
¹Endocrine Division of Department of Medicine, New York University School of Medicine, New York, NY, USA; ²Endocrinology, New York University Medical Center, New York, NY, USA
- Program Number 160 Thyroid Hormone Action Friday Poster Clinical
Normal thyroid function and blood pressure: population study
 B. O. Åsvold¹, T. Bjørø², T. I. Nilsen¹, L. J. Vatten¹
¹Department of Public Health, Norwegian University of Science and Technology, Trondheim, Norway; ²Department of Medical Biochemistry, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway

- Program Number 161 Thyroid Hormone Action Friday Poster Basic
In vivo interaction of SRC-1 and the AF-2 Domain of the Thyroid Hormone Receptor β
 M. Alonso¹, C. Goodwin¹, X. H. Liao¹, T. Ortiga-Carvalho¹, D. Machado², F. Wondisford², R. Weiss¹
¹Department of Medicine, University of Chicago, Chicago, IL, USA; ²Departments of Pediatrics and Medicine, Johns Hopkins University, Baltimore, MD, USA
- Program Number 162 Thyroid Hormone Action Friday Poster Basic
Aneuploidy caused by the accumulation of the pituitary tumor-transformation gene induced by a mutant thyroid hormone β receptor
 H. Ying¹, F. Furuya¹, L. Zhao¹, J. A. Hanover², S. Y. Cheng¹
¹Laboratory of Molecular Biology, CCR, National Cancer Institute, Bethesda, MD, USA; ²Laboratory of Cellular Biochemistry and Biology, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA
- Program Number 163 Thyroid Hormone Action Friday Poster Basic
Identification of a novel mutation in MCT8 and its effects on cellular T3 uptake
 J. Jansen¹, E. C. Friesema¹, J. W. Jachtenberg¹, I. Soorani - Luning², T. J. Visser³
¹Internal Medicine, Erasmus MC, Rotterdam, Netherlands; ²Department of Child Neurology,, University Medical Centre Groningen, Groningen, Netherlands; ³Department of Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands
- Program Number 164 Thyroid Hormone Action Friday Poster Basic
Design Strategies for Achieving TRbeta Selectivity
 M. Färnegårdh, K. Mellström, K. Koehler, A. M. Garzia Collazo, L. G. Bladh, N. Garg, J. Sandberg, B. Husman, J. Malm Karo Bio AB, HUDDINGE, Sweden
- Program Number 165 Thyroid Hormone Action Friday Poster Basic
Using specific engineered ribozymes as molecular tools to target the mRNAs of co-regulators of thyroid hormone receptors in mammalian cell lines
 T. Fayad¹, M. P. Provencher¹, M. Brunelle¹, F. D'Anjou², R. Day², J. P. Perreault³, M. F. Langlois⁴
¹Division of Endocrinology;; ²Department of Pharmacology;; ³Department of Biochemistry;; ⁴Endocrine Division, Faculté de Médecine et Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC, Canada
- Program Number 166 Thyroid Hormone Action Friday Poster Clinical
Severe Hypercalcemia in Thyrotoxicosis
 H. L. Hofflich, B. Andersen
 Endocrinology, Diabetes, and Metabolism, University of California, Irvine, Irvine, CA, USA
- Program Number 167 Thyroid Hormone Metabolism and Regulation Friday Poster Basic
Human monocarboxylate transporter 10 does transport thyroid hormone
 E. C. Friesema, J. W. Jachtenberg, J. Jansen, M. H. Kester, T. J. Visser
 Internal Medicine, Erasmus MC, Rotterdam, Netherlands
- Program Number 168 Thyroid Hormone Metabolism and Regulation Friday Poster Basic
The Val174Ala polymorphism in the SLCO1B1 gene is associated with serum thyroid parameters
 W. M. Van der Deure¹, R. .. P. Peeters¹, F. J. De Jong², M. Breteler², T. .. J. Visser¹
¹Department of Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands; ²Department of Epidemiology and Biostatistics, Erasmus Medical Center, Rotterdam, Netherlands
- Program Number 169 Thyroid Hormone Metabolism and Regulation Friday Poster Basic
Expression of the Type 2 Deiodinase in RMS-13 cells: a system for modeling the regulation and physiology of D2 in muscle
 B. W. Kim, W. Da Silva, J. W. Harney, P. R. Larsen, A. Bianco
 Thyroid Section, Division of Endocrinology, Diabetes and Hypertension, Brigham and Women's Hospital - Harvard Medical School, Boston, MA, USA
- Program Number 170 Thyroid Hormone Metabolism and Regulation Friday Poster Clinical
Ethnic differences in thyroid tests during pregnancy
 W. L. Roberts¹, S. L. La'ulu²
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- Program Number 171 Thyroid Hormone Metabolism and Regulation Friday Poster Basic
Fenamic acid and indocyanine green inhibit organic anion transporting polypeptide 1c1 (Oatp1c1) mediated thyroxine transport
 D. E. Westholm¹, G. W. Anderson²
¹Biochemistry, Molecular Biology and Biophysics, University of Minnesota Duluth, Duluth, MN, USA; ²College of Pharmacy Duluth, University of Minnesota, Duluth, MN, USA
- Program Number 172 Thyroid Hormone Metabolism and Regulation Friday Poster Basic
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 J. J. DiStefano, M. C. Eisenberg, J. Chen
 Biocybernetics Laboratory, Departments of Computer Science, Medicine & Biomedical Engineering, UCLA, Los Angeles, CA, USA
- Program Number 173 Thyroid Hormone Metabolism and Regulation Friday Poster Clinical
Thyroid Hormone Changes in Sera during Thyroid Surgery
 H. Alis¹, M. G. Taskale², B. Ede¹, E. Aygun¹
¹General Surgery Clinic, Dr. Sadi Konuk Research Hospital, Istanbul, Turkey; ²Division of Endocrinology and Diabetes, Internal Medicine, Dr. Sadi Konuk Research Hospital, Istanbul, Turkey
- Program Number 174 Thyroid Imaging Friday Poster Clinical
The significance of incidental PET uptake in the thyroid gland
 J. A. Eloy¹, P. Som², E. Genden³
¹Otolaryngology-head and Neck Surgery, Mount Sinai School of Medicine, New York, NY, USA; ²Department of Radiology, Mount Sinai School of Medicine, New York, NY, USA; ³Otolaryngology-Head and Neck Surgery, Mount Sinai School of Medicine, New York, NY, USA
- Program Number 175 Thyroid Imaging Friday Poster Clinical
Morphologic change of trachea (deviation, compression, invasion) associated with various thyroid tumors
 Y. W. Koh¹, S. Y. Lee², H. S. Hong³, D. H. Kim³, S. W. Lee¹, H. S. Chang¹
¹Department of Otolaryngology-Head & Neck surgery, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea; ²Department of Otolaryngology-Head & Neck surgery, Chung-Ang University, College of Medicine, Seoul, South Korea; ³Department of Radiology, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea
- Program Number 176 Thyroid Nodules and Goiter Friday Poster Basic
IGF-1 Up-regulates cyclinD1 Expression via PI3-Kinase /NF-KappaB Signal Pathway in FRTL-5 Cells
 M. Ren¹, L. Gao², Y. Sun¹, X. Zhong¹, X. Lu³, J. Zhao¹
¹Shandong Provincial Hospital, Shandong University, Jinan, China; ²Central Lab, Shandong Provincial Hospital, Jinan, China; ³Central Lab, Shandong Provincial Hospital, Jinan, China
- Program Number 177 Thyroid Nodules and Goiter Friday Poster Basic
Study of the prevalence and mechanisms of action of TSH receptor and Gs protein alfa-subunit mutations, in toxic multinodular goiters and toxic adenomas from Galicia (Spain)
 F. Palos¹, O. Perez¹, V. Alvarez-Iglesias², J. Cameselle³, D. Araujo¹, L. Dominguez¹, J. Lado-Abeal¹
¹Medicine School. Department of Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain; ²Medicine School. Department of Forensic Sciences, University of Santiago de Compostela, Santiago de Compostela, Spain; ³Complejo Hospitalario Universitario de Santiago (CHUS), University of Santiago de Compostela, Santiago de Compostela, Spain
- Program Number 178 Thyroid Nodules and Goiter Friday Poster Clinical
How we can predict the hypothyroidism after hemithyroidectomy? : A Clinico-pathological analysis
 Y. W. Koh¹, S. Y. Lee², S. W. Lee¹, H. S. Chang¹, H. K. Kim³
¹Department of Otolaryngology-Head & Neck surgery, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea; ²Department of Otolaryngology-Head & Neck surgery, Chung-Ang University, College of Medicine, Seoul, South Korea; ³Department of Pathology, Soonchunhyang University, College of Medicine, Bucheon-si, South Korea
- Program Number 179 Thyroid Nodules and Goiter Friday Poster Clinical
Epidemiologic study(FATA-G): thyroid volume evaluation according to different classes of age and thyroid nodule prevalence
 P. De Remigis¹, P. Ranieri¹, A. De Remigis¹, B. Di Nenno², G. Napolitano², L. Vianale¹
¹Endocrine Unit, General Hospital, Chieti, Italy; ²Chair of Endocrinology, University of Chieti, Chieti, Italy
- Program Number 180 Thyroid Nodules and Goiter Friday Poster Clinical
Fine Needle Aspiration Cytology of Thyroid Nodule: Diagnostic Accuracy and Pitfalls
 S. A. Mahar
 Diabetes, Endocrinology & Metabolism, Aga Khan University, Karachi, Pakistan

10:00 – Noon Coyote, Buzzard, Eagle
Fellows Session

10:30 – 11:45 am **Simultaneous Sessions - Oral Abstracts**

Akimel O'otham 3, 4

CLINICAL

Autoimmunity and Thyroid Disease

Chairs: Mark Lupo and Rebecca Bahn

Program Number 181 Autoimmunity Friday Oral Clinical 10:30 am
Study of serum antibodies and T cell reactivity against three eye muscle antigens in patients with Graves' disease with ophthalmopathy – correlation with clinical features

B. Gopinath¹, R. Musselman¹, N. Beard², J. Tani¹, C. L. Adams¹, B. Nguyen¹, J. Wall¹

¹Department of Medicine, University of Sydney, Penrith, Australia; ²Division of Molecular Bioscience, Australian National University, Canberra, Australia

Program Number 182 Autoimmunity Friday Oral Clinical 10:45 am
Rituximab Is More Effective Than Intravenous Steroids in the Treatment of Patients Active Graves' Ophthalmopathy
M. Salvi¹, G. Vannucchi¹, I. Campi¹, D. Dazzi², N. Curri³, S. Simonetta³, P. Bonara⁴, S. Rossi⁵, S. Avignone⁶, C. Guastella⁷, R. Ratiglia³, P. Beck-Peccoz¹

¹Endocrine Unit, Department of Medical Sciences, University of Milan, Milan, Italy; ²Division of Internal Medicine, Ospedale di Fidenza, Fidenza, Italy; ³Department of Ophthalmology, University of Milan, Milan, Italy; ⁴Internal Medicine, Department of Medical Sciences, Milan, Italy; ⁵Department of Pathology, Ospedale San Paolo, Milan, Italy; ⁶Neuroradiology, Ospedale Maggiore Policlinico, Milan, Italy; ⁷Department of Otolaryngology, Milan, Italy

Program Number 183 Thyroid Diseases Friday Oral Clinical 11:00 am
Lipid Subparticle Sizes in Overt Hypothyroidism

E. N. Pearce¹, P. W. F. Wilson², L. E. Braverman¹

¹Section of Endocrinology, Diabetes and Nutrition, Boston University Medical Center, Boston, MA, USA; ²Department of Endocrinology, Diabetes, and Medical Genetics, Medical University of South Carolina, Charleston, SC, USA

Program Number 184 Thyroid Diseases Friday Oral Clinical 11:15 am
The Effects of Antithyroid Drug Treatment on Thyroid Hormone Levels after ¹³¹I Ablation for Graves' Disease: A Prospective Randomized Study

L. M. Z. Maciel, P. K. R. Magalhaes

Department of Internal Medicine, School of Medicine of Ribeirao Preto - University of Sao Paulo, Ribeirao Preto, Brazil

Program Number 185 Thyroid and Development Friday Oral Clinical 11:30 am
Using Magnetic Resonance Spectroscopy (MRS) to Study Thyroid Hormone's Role in Hippocampal Development

J. Rovet¹, M. Williamson², K. Nash², M. Desrocher³, E. Sheard², M. Noseworthy⁴

¹Brain and Behaviour Program, The Hospital for Sick Children, Toronto, ON, Canada; ²Psychology Department, The Hospital for Sick Children, Toronto, ON, Canada; ³Psychology Department, York University, Toronto, ON, Canada; ⁴Radiology & Medical Physics, McMaster University, Hamilton, ON, Canada

Akimel O'otham 1, 2

BASIC

Thyroid Cancer

Chairs: Bryan Haugen and Sissy Jhiang

Program Number 186 Thyroid Cancer Friday Oral Basic 10:30 am
Parvovirus B19 Infection in Human Papillary Thyroid Carcinoma

J. Wang¹, W. Zhang¹, H. Liu², D. Wang¹, L. Wang¹, Y. Li¹, W. Wang¹, Z. Wang¹, G. Huang¹

¹Department of Pathology, Fourth Military Medical University, Xi'an, China; ²Department of Histopathology, Addenbrooke's Hospital, Cambridge, United Kingdom

Program Number 187 Thyroid Cancer Friday Oral Basic 10:45 am
Anti-Tumor Activity of AMG 706, an Oral Multi-Kinase Inhibitor, in Human Medullary Thyroid Carcinoma Xenografts

A. Coxon, J. Bready, M. Fiorino, P. Hughes, L. Wang, T. DeMelfi, N. Doerr, R. Radinsky, R. Kendall, T. Polverino

Oncology Research, Amgen, Inc, Thousand Oaks, CA, USA

Program Number 188 Thyroid Cancer Friday Oral Basic 11:00 am
Antineoplastic Activity of Combretastatin A-4 Phosphate, Paclitaxel and Carboplatin in a Mouse Xenograft Model of Anaplastic Thyroid Cancer

S. C. J. Yeung

Endocrine Neoplasia and Hormonal Disorders, The University of Texas M. D. Anderson Cancer Center, Houston, TX, USA

Program Number 189 Thyroid Cancer Friday Oral Basic 11:15 am
Immunsurveillance by Dendritic Cells: Potential Implication for Immunotherapy of Patients with Medullary Thyroid Carcinoma and in Transgenic MTC Mice

M. Schott, C. Papewalis, B. Jacobs, W. A. Scherbaum

Department of Endocrinology, Diabetes and Rheumatology, University Hospital Duesseldorf, Duesseldorf, Germany

Program Number 190 Thyroid Cancer Friday Oral Basic 11:30 am
Widely Invasive Papillary Thyroid Cancer is Associated with an Expression Profile Consistent with Epithelial-to-Mesenchymal Transition

V. Vasko¹, A. Espinosa², H. He³, H. Auer⁴, S. Liyanarachchi⁵, A. Larin⁶, W. Scouten⁷, G. L. Francis¹, A. De la Chapelle⁸, M. Saji², M. Ringel²

¹Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD, USA; ²Divisions of Endocrinology, Oncology, and Human Cancer Genetics, Ohio State University, Columbus, OH, USA; ³Molecular Virology, Immunology, and Genetic, Arthur G. James Comprehensive Cancer Center, The Ohio State University, Columbus, OH, USA; ⁴Columbus Children's Hospital, Columbus Children's Research Institute, Columbus, OH, USA; ⁵Department of Immunology and Genetic, Arthur G. James Comprehensive Cancer Center, The Ohio State University, Columbus, OH, USA; ⁶Surgery, Ukrainian Center for Endocrine Surgery, Kiev, Ukraine; ⁷pediatrics, USUHS, Bethesda, MD, USA; ⁸Immunology and Genetic, Arthur G. James Comprehensive Cancer Center, The Ohio State University, Columbus, OH, USA

Noon – 2:00 pm Coyote, Buzzard, Eagle
Fellows Career Workshop and Networking Lunch

11:45 am – 1:00 pm Pipai Kave
Poster Session & Lunch

Akimel O'otham Foyer

1:00 – 2:00 pm Check ticket for room assignment
Friday Meet the Professors Workshops (Concurrent)

How to choose a clinical trial, case based

Manisha Shah

The impact of thyroid nodule management on thyroid cancer incidence

Laurence Leenhardt

I-131 Rx and XRT, when to use?

James Brierley

Tg assays, do they make a difference?

Carole Spencer

Submitting a successful research grant application

Syed Amir and Ron Margolis

Thyroid hormone, metamorphosis and development

Robert J. Denver

Central mechanism in thyroid hormone homeostasis

Anthony Hollenberg

Novel insights into S14 mechanism of action

Cary Mariash

2:00 – 3:30 pm **Simultaneous Sessions - Oral Abstracts**

Akimel O'otham 3, 4

CLINICAL

Thyroid Nodules and Cancer

Chairs: Steven Sherman and Gerard Doherty

Program Number 191 Thyroid Cancer Friday Oral Clinical 2:00 pm

Role of Molecular Testing for Mutations in Improving the Fine Needle Aspiration (FNA) Diagnosis of Thyroid Nodules

Y. E. Nikiforov¹, D. L. Steward², M. N. Nikiforova³, Z. Zhu¹, B. R. Haugen⁴, J. P. Kloppper⁴, J. A. Fagin⁵, J. P. Fidler⁶, T. M. Robinson-Smith¹, K. Weber⁷

¹Department of Pathology, University of Cincinnati, Cincinnati, OH, USA; ²Department of Otolaryngology - Head and Neck Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ³Division of Pathology, Cincinnati Children's Hospital, Cincinnati, OH, USA; ⁴Department of Medicine, University of Colorado Cancer Center, Division of Endocrinology, Metabolism and Diabetes, University of Colorado at Denver and Health Sciences Center, Aurora, CO, USA; ⁵Vontz Center for Molecular Studies, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ⁶Department of Surgery,

University of Cincinnati, Cincinnati, OH, USA; ⁷Department of Medicine, Division of Endocrinology, Metabolism and Diabetes, University of Colorado Health Sciences Center, Denver, CO, USA

Program Number 192 Thyroid Nodules and Goiter Friday Oral Clinical 2:15 pm

Predicting Malignancy in Follicular Neoplasms

S. A. Fish¹, J. Langer², Z. Baloch³, A. Cucchiara¹, S. J. Mandel⁴

¹Department of Medicine, University of Pennsylvania, Philadelphia, PA, USA; ²Department of Radiology, University of Pennsylvania, Philadelphia, PA, USA; ³Department of Pathology, University of Pennsylvania, Philadelphia, PA, USA; ⁴Diabetes and Metabolism, University of Pennsylvania, Philadelphia, PA, USA

Program Number 193 Thyroid Cancer Friday Oral Clinical 2:30 pm

Staging Follicular Cell Derived Non-Papillary Thyroid Carcinoma: Impact of the 2002 pTNM Reclassification

F. Toruner¹, J. L. Bates¹, I. D. Hay¹, T. J. Sebo², B. McIver¹

¹Division of Endocrinology, Mayo Clinic, Rochester, MN, USA; ² Division of Laboratory Medicine and Pathology, Mayo Clinic College of Medicine, Rochester, MN, USA

Program Number 194 Thyroid Cancer Friday Oral Clinical 2:45 pm

Tumor size is a prognostic factor in pT3 well-differentiated thyroid carcinoma

L. Leenhardt¹, C. Trésallet², P. Mordant², C. Hoang³, L. Dupasquier Fediaevsky¹, A. Aurengo¹, F. Ménégau²

¹Department of Nuclear Medicine, Pitié Salpêtrière Hospital, Paris, France; ²Department of General Surgery, Pitié Salpêtrière Hospital, Paris, France; ³Department of Pathology, Pitié Salpêtrière Hospital, Paris, France

Program Number 195 Thyroid Cancer Friday Oral Clinical 3:00 pm

The Predictive Value of Post-Surgical Stimulated Thyroglobulin Measurements in the Follow-Up of Well-Differentiated Thyroid Carcinoma

A. M. Sawka¹, S. Orlov², J. Gelberg², B. Stork², M. Dowar², M. Shayttag², J. L. Freeman³, P. G. Walfish²

¹Medicine/Endocrine Division, University Health Network, Toronto, ON, Canada; ²Medicine/Endocrine Division, Mount Sinai Hospital, University of Toronto Medical School, Toronto, ON, Canada; ³Otolaryngology, Mount Sinai Hospital, University of Toronto Medical School, Toronto, ON, Canada

Program Number 196 Thyroid Cancer Friday Oral Clinical 3:15 pm

A Sensitive Thyroglobulin Immunoassay Obviates Need for Recombinant Human Thyrotropin Stimulation in Follow-Up of Patients with Differentiated Thyroid Carcinoma and Undetectable Serum Thyroglobulin

R. C. Smallridge

Endocrinology, Mayo Clinic College of Medicine, Jacksonville, FL, USA

Akimel O'otham 1, 2

BASIC

Autoimmunity

Chairs: Basil Rapoport and Patrizio Caturegli

Program Number 197 Autoimmunity Friday Oral Basic 2:00 pm

Genetic association of Graves' disease localised to within 180kb of the TSHR gene region

O. J. Brand¹, J. M. Heward¹, T. H. Brix², J. Connell³, J. Carr-Smith¹, L. Hegedus⁴, P. Hunt⁵, B. Robinson⁶, J. C. Taylor⁷, J. Wass⁸, W. M. Wiersinga⁹, J. A. Franklyn¹, T. Weetman¹⁰, S. C. L. Gough¹

¹Division of Medical Sciences, University of Birmingham, Birmingham, United Kingdom; ²Department of Endocrinology M, Odense University Hospital, Odense, Denmark; ³University Dept of Medicine & Therapeutics, Western Infirmary, Glasgow, United Kingdom; ⁴Dept Endocrinology and Metabolism, Odense University Hospital, Odense, Denmark; ⁵Dept of Endocrinology, Christchurch Hospital, Christchurch, New Zealand; ⁶Kolling Institute and Dept of Endocrinology, University of Sydney and Royal North Shore Hospital, Sydney, Australia; ⁷Oxford Genetics Knowledge Park, Wellcome Trust Centre for Human Genetics, Oxford, United Kingdom; ⁸Dept of Metabolic Medicine, Nuffield Orthopaedic Centre, Oxford, United Kingdom; ⁹Dept of Endocrinology and Metabolism, University Hospital Academisch Medisch Centrum, University of Amsterdam, Amsterdam, Netherlands; ¹⁰Clinical Sciences Centre, University of Sheffield and Northern General Hospital, Sheffield, United Kingdom

Program Number 198 Autoimmunity Friday Oral Basic 2:15 pm

Short Call to be scheduled in place of withdrawn abstract

Program Number 199 Autoimmunity Friday Oral Basic 2:30 pm

Successfully established an animal model of Graves disease

B. Y. Shi¹, L. P. Wu¹, C. R. Chen², L. Y. Guo¹, L. Xu¹

¹Department of Endocrinology, First Affiliated Hospital, Medical College of Xi'an Jiaotong University, Xi'an, China; ²Autoimmune Disease Unit, Cedars-Sinai Research Institute and UCLA School of Medicine, Los Angeles, CA, USA

Program Number 200 Autoimmunity Friday Oral Basic 2:45 pm

X-Chromosome Inactivation (XCI) in Graves' Disease

X. Yin¹, R. Latif¹, Y. Tomer², T. Davies¹

¹Department of Medicine, Mount Sinai School of Medicine, New York, NY, USA; ²Department of Medicine, University of Cincinnati, Cincinnati, OH, USA

Program Number 201 Autoimmunity Friday Oral Basic 3:00 pm

Influence of Thyroid Hormones on Maturation and Function of Dendritic Cells in Vivo and in Vitro

M. Dedejus¹, M. Stasiolek², K. Selmaj², J. Brzezinski¹, A. Lewinski³

¹Department of Endocrine Surgery, Chair of Endocrinology and Metabolic Diseases, Medical University of Lodz, Polish Mother's Memorial Hospital, Poland, Lodz, Poland; ²Department of Neurology, Medical University of Lodz, Poland, Lodz, Poland; ³Department of Endocrinology and Metabolic Diseases, Chair of Endocrinology and Metabolic Diseases, Medical University of Lodz, Polish Mother's Memorial Hospital, Poland, Lodz, Poland

Program Number 202 Autoimmunity Friday Oral Basic 3:15 pm

Immune-Regulatory Gene Involvement in the Etiology of Interferon Induced Thyroiditis (IIT)

E. Jacobson¹, S. Chaudhry², J. C. Mandac², E. Concepcion¹, Y. Tomer³

¹Division of Endocrinology, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ²Department of Medicine, Mount Sinai School of Medicine, New York, NY, USA; ³Division of Endocrinology, Cincinnati VA Medical Center and the University of Cincinnati College of Medicine, Cincinnati, OH, USA

2:30 – 4:00 pm Coyote, Buzzard, Eagle

Fellows' Session

Case Presentations

3:30 – 4:00 pm Pipai Kave

Poster Session and Break

Akimel O'otham Foyer

4:30 pm Pipai Kave

Exhibit Hall Closes

4:00 – 5:15 pm **Simultaneous symposia**

Akimel O'otham 3, 4

Thyroid Grand Rounds: Do All Nodules >1cm Require FNA?

Moderator: Gilbert Daniels

Panel: Jill Langer, Erik Alexander and Jack Baskin

Akimel O'otham 1, 2

Deiodination: From Bench to Bedside

Moderator: Douglas Forrest

What are we learning from deiodinase transgenic mouse models? Donald St. Germain

The Significance of type 2 iodothyronine deiodinase for P. Reed Larsen

T4 to T3 conversion in humans

Clinical implications of deiodinase polymorphisms Robin Peeters

5:15 – 6:00 pm Akimel O'otham 3, 4

Sidney H. Ingbar Distinguished Lectureship

Supported by an educational grant from Abbott

This award recognizes outstanding academic achievements in thyroidology, in keeping with the innovation and vision that epitomized Dr. Ingbar's brilliant investigative career. The award is conferred upon an established investigator who has made major contributions to thyroid-related research over many years.

Defective Synthesis and Secretion of Thyroglobulin: From Phenotype to Genotype

Geraldo Medeiros-Neto, MD

Professor of Endocrinology

University of Sao Paulo Medical School

Sao Paulo, Brazil

Free Evening (Sign up for shuttles to the mall)

Saturday, October 14, 2006

6:00 am – 6:00 pm Ant
ATA Fellows Track Room (See Fellows schedule posted daily)

6:00 am Akimel O’otham 1, 2
Breakfast

6:30 – 7:45 am Akimel O’otham 1, 2 *Supported by an educational grant from Astra Zeneca*
CME symposium

Medullary Thyroid Carcinoma: New approaches to mechanism, testing and treatment

Moderator: Matthew Ringel

RET and other signaling abnormalities in medullary thyroid carcinoma	Massimo Santoro
Radioimmunotherapy: a novel therapy for advanced medullary thyroid carcinoma	Stéphane Bardet
Genetic testing in medullary thyroid carcinoma	Ernest Mazzaferri

8:00 – 8:45 am Akimel O’otham 3, 4 *Supported by Boris Catz, MD and an educational grant from King Pharmaceuticals, Inc.*

The Paul Starr Award Lecture

In recognition of an outstanding contributor to clinical thyroidology.

“Causes and consequences of thyroid disorders”

Professor Jayne A. Franklyn MD PhD FRCP FMedSci
Professor of Medicine Division of Medical Sciences
University of Birmingham Queen Elizabeth Hospital
Edgbaston Birmingham, United Kingdom

8:45 -10:15 am Akimel O’otham 3, 4

Short call abstracts (6)

Chairs: Peter Kopp and Michael McDermott

10:15 – 10:45 am Akimel Foyer
Refreshment Break

10:45 – Noon **Simultaneous symposia**

Akimel O’otham 3, 4

Arthur Bauman Clinical Symposium

Presents advances in clinical investigation in thyroidology and promotes participation by younger members of the scientific community in honor of the memory of Arthur Bauman, clinician and clinical investigator.

Graves’ disease

Moderator: Elizabeth Pearce

Antithyroid drug therapy: how much, how long?	Leonard Wartofsky
Fetal Graves’ disease: diagnosis and treatment	Maureen Malee
Pediatric Graves’ disease	Steven G. Waguespack

Akimel O’otham 1, 2

Dysregulation of thyroid hormone transport and deiodinase expression

Moderator: Brian Kim

Cellular and molecular biology of MCT8	Theo Visser
Structure of the D3 gene and impact of imprinting	Arturo Hernandez
Mechanisms and consequences of ectopic D3 expression	Stephen A. Huang

Noon – 2:00 pm *Free Time*

1:30 – 4:00 pm Kave 1

ATA Alliance for Patient Education Public Forum and Workshops

American Thyroid Association, the Thyroid Foundation of America, the National Graves’ Disease Foundation, ThyCa: Thyroid Cancer Survivors’ Association, and the Light of Life Foundation

2:00 – 3:30 pm Coyote, Buzzard, Eagle
Fellows Session
Case Presentations

2:00 – 3:30 pm **Simultaneous Sessions - Oral Abstracts**

Akimel O'otham 3, 4

CLINICAL

Thyroid Cancer

Chairs: Stephanie Lee and Richard T. Kloos

Program Number 203 Thyroid Cancer Saturday Oral Clinical 2:00 pm

Spot Urine Iodine Levels Predict Iodine Depletion after Low-Iodine Diet

J. T. Rittenberry¹, H. N. Nagaraja², R. T. Kloos¹, M. D. Ringel³

¹Division of Endocrinology, The Ohio State University, Columbus, OH, USA; ²Department of Statistics, The Ohio State University, Columbus, OH, USA; ³Divisions of Endocrinology, Oncology, and Human Cancer Genetics, Ohio State University, Columbus, OH, USA

Program Number 204 Thyroid Cancer Saturday Oral Clinical 2:15 pm

Office-Based Ultrasound Detection of Differentiated Thyroid Cancer Recurrence: Location and Specific Sonographic Features Help Differentiate Malignant from Benign Lymph Nodes

B. Pazooki¹, J. A. Fagin¹, E. B. Silberstein², Y. E. Nikiforov³, D. L. Steward⁴

¹Division of Endocrinology and Metabolism, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ²Department of Radiology - Nuclear Medicine, University of Cincinnati College of Medicine, Cincinnati, OH, USA; ³Department of Pathology, University of Cincinnati, Cincinnati, OH, USA; ⁴Department of Otolaryngology-Head and Neck Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, USA

Program Number 205 Thyroid Cancer Saturday Oral Clinical 2:30 pm

Venous sampling for thyroglobulin levels: Implications for localizing differentiated thyroid cancer

E. Kebebew

Surgery, University of California, San Francisco, San Francisco, CA, USA

Program Number 206 Thyroid Cancer Saturday Oral Clinical 2:45 pm

Efficacy of Nodal Dissection for Treatment of Residual/Recurrent Papillary Thyroid Carcinoma

K. G. Schuff¹, S. M. Weber², M. H. Samuels¹, P. A. Andersen², H. C. Herrington³, J. I. Cohen²

¹Division of Endocrinology, Oregon Health & Science University, Portland, OR, USA; ²Department of Otolaryngology, Oregon Health & Science University, Portland, OR, USA; ³School of Medicine, Oregon Health & Science University, Portland, OR, USA

Program Number 207 Thyroid Cancer Saturday Oral Clinical 3:00 pm

Vascular Endothelial Growth Factor (VEGF) in Papillary and Follicular Thyroid Tumors

P. Vohra¹, M. Prasad¹, M. Slosar², A. Fischer¹, R. Quinlan³, M. Safran⁴, A. Khan⁵

¹Pathology, University of Massachusetts Medical School, Worcester, MA, USA; ²Pathology, University Of Massachusetts Medical School, Worcester, MA, USA; ³Surgery, University of Massachusetts Medical School, Worcester, MA, USA; ⁴Endocrinology, University of Massachusetts Medical School, Worcester, MA, USA; ⁵Pathology, UMass Memorial Medical Center, Worcester, MA, USA

Program Number 208 Thyroid Cancer Saturday Oral Clinical 3:15 pm

Phase II study of oral histone deacetylase inhibitor SAHA in patients with metastatic thyroid cancer

M. Ringel¹, R. T. Kloos², D. Arbogast³, M. Collamore³, L. Weldy³, J. Zweibel⁴, M. Shah³

¹Divisions of Endocrinology, Oncology, and Human Cancer Genetics, Ohio State University, Columbus, OH, USA; ²Division of Endocrinology, The Ohio State University, Columbus, OH, USA; ³Hematology-Oncology, The Ohio State University, Columbus, OH, USA; ⁴CTEP, National Cancer Institute, Bethesda, MD, USA

Akimel O'otham 1, 2

BASIC

Thyroid Hormone Action

Chairs: Sheue-yann Cheng and Ronald Koenig

Program Number 209 Thyroid Hormone Action Saturday Oral Basic 2:00 pm
Post-Receptor Role for the Human CCR4-NOT Complex in Gene Activation by the Human Thyroid Hormone Receptor
 X. Meng¹, M. Govindan², J. S. Mymryk³, C. L. Denis⁴, N. J. Krogan⁵, C. Boone⁵, P. G. Walfish¹
¹Medicine/Endocrine Division, Mount Sinai Hospital, University of Toronto Medical School, Toronto, ON, Canada; ²C.R.H.D.Q., Laval University, Quebec, QC, Canada; ³Departments of Experimental Oncology, Microbiology & Immunology, University of Western Ontario and London Regional Cancer Centre, London, ON, Canada; ⁴Department of Biochemistry and Molecular Biology, University of New Hampshire, Rudman Hall, Durham, NH, USA; ⁵Department of Molecular and Medical Genetics, Banting and Best Department of Medical Research, University of Toronto, Toronto, ON, Canada

Program Number 210 Thyroid Hormone Action Saturday Oral Basic 2:15 pm
Role of histone methyltransferases in gene regulation by thyroid hormone receptor during development
 Y. B. Shi
 Lab. of Gene Regulation and Development, NICHD, NIH, Bethesda, MD, USA

Program Number 211 Thyroid and Development Saturday Oral Basic 2:30 pm
Thyroid hormone transporter expression during brain development
 T. W. Bastian¹, C. Mariash², G. W. Anderson³
¹College of Pharmacy Duluth, University of Minnesota Duluth, Duluth, MN, USA; ²Department of Medicine, University of Minnesota, Minneapolis, MN, USA; ³College of Pharmacy Duluth, University of Minnesota, Duluth, MN, USA

Program Number 212 Thyroid Hormone Action Saturday Oral Basic 2:45 pm
The nuclear receptor corepressor (NCoR) downregulates the signaling of phosphatidylinositol 3-kinase activated by a mutant thyroid hormone β receptor
 F. Furuya, S. Y. Cheng
 Laboratory of Molecular Biology, CCR, National Cancer Institute, Bethesda, MD, USA

Program Number 213 Thyroid Hormone Action Saturday Oral Basic 3:00 pm
Deletion of Thyroid Hormone Receptor beta Selectively Decreases Fatty acid Oxidation and Increases Glucose Oxidation in the Heart
 D. D. Belke, B. T. Scott, W. Dillmann
 Endocrinology and Metabolism, University of California, San Diego, San Diego, CA, USA

Program Number 214 Thyroid Hormone Action Saturday Oral Basic 3:15 pm
A Novel Mechanism for T3-mediated Cardiac Gene Expression
 S. Danzi, P. Dubon, S. Klein
 Medicine/Endocrinology, North Shore University Hospital/Feinstein Institute for Medical Research, Manhasset, NY, USA

3:30 – 4:45 pm Simultaneous symposia

Akimel O'otham 3, 4
Surgical complication of thyroid surgery and lymph node dissection
Moderator: Glenn Braunstein
 Minimizing morbidity in the central neck Gerard Doherty
 Approach to the lateral neck Douglas Evans
 Evidence based therapy for hypoparathyroidism Suzanne Jan de Beur

Akimel O'otham 1, 2
Thyroid hormone receptors: fundamentals and novel therapeutic tools
Moderator: J. Enrique Silva
 Activation versus repression by TR during development David Furlow
 Thyroid Hormone analogues John D. Baxter
 Clinical trials with thyroid hormone analogues Eugene Morkin

4:45 – 5:30 pm Akimel O'otham 3, 4
Abbott State of the Art Lecture
"Nuclear Receptors from Repression to Metabolism"
 Mitchell A. Lazar, MD, PhD
 University of Pennsylvania School of Medicine
 Endocrinology, Metabolism & Diabetes
 Philadelphia, Pennsylvania

7:30 – 11:00 pm Grand Terrace, Akimel Lawn and Patio
Annual Gala Reception & Banquet (*advance purchase required, admission by ticket only*)

Presentation of The ATA Distinguished Service Award

In recognition and honor of a member who has made important and continuing contributions to the Association.

2006 Distinguished Service Awardee:

Sheue-yann Cheng, PhD

Laboratory of Molecular Biology
NIH
Bethesda, Maryland

Presentation of The Pathophysiology Medal

In recognition of outstanding research contributions, either conceptual or technical, to the understanding of thyroid physiology or the pathophysiology of thyroid disease, as evidenced by having a major impact on research or clinical practice related to thyroid diseases.

2006 Pathophysiology Medal Awardee:

John T. Nicoloff, MD

USC School of Medicine
Los Angeles, California

Sunday, October 15, 2006

6:30 am – 11:00 am Ant
ATA Fellows Track Room (See Fellows schedule posted daily)

6:30 am Akimel 1,2
Breakfast

7:00 – 8:15 am Akimel 1,2 *Supported by an educational grant from Genzyme, Inc.*

CME symposium

Clinical Challenges in Thyroid Cancer Management

Moderator: Gregory A. Brent

Micropapillary thyroid cancer: incidental finding or true disease? Elio Roti
Thyroglobulin positive patients: clinical significance and approach Steven Sherman
Ultrasound surveillance of lymph nodes: impact on outcome Richard T. Kloos

8:25 – 9:40 am **Simultaneous Symposia**

Akimel O'otham 3, 4

Public Health and the Thyroid

Moderator: John Morris

Assessing thyroxine bioequivalence: clinical implications and FDA policy James Hennessey
Potassium Iodide distribution for thyroid protection Elizabeth Pearce
Chernobyl: 20 years later R. Michael Tuttle

Akimel O'otham 1, 2

Advances in thyroid cell biology

Dedicated to the memory of Alvin Taurog

Moderator: Peter Kopp

The search for thyroid cell stem cells Terry Davies
Intracellular trafficking and Endoplasmic Reticulum stress in thyrocytes Peter Arvan
Sodium/Iodide Symporter (NIS) – what have we learned in the last 10 years? Nancy Carrasco

9:40 – 11:00 am Coyote, Buzzard, Eagle

Fellows Session

Case Presentations

9:40 – 11:00 am Akimel O'otham 3, 4

Pathways of thyroid growth and tumorigenesis: regulation, models, and clinical application

Moderator: Ernest Mazzaferri

Signaling pathways that regulate thyroid growth and cell death Judy Meinkoth
Mechanisms of thyroid tumorigenesis; role of signaling pathways James Fagin
Animal models of thyroid cancer and development of novel therapies Seungwon Kim
Translating mechanisms of thyroid tumorigenesis to clinical trials Matthew Ringel

11:00 am 77th Annual Meeting ends

Please pick up your CME certificate from the Registration Desk as you leave the meeting