

**76th Annual Meeting of the American Thyroid Association
Westin Bayshore Resort & Marina
Vancouver, BC, Canada
September 30 –October 3, 2004**

Thursday, September 30, 2004

6:00 – 6:30 AM Stanley Park Foyer
Breakfast

6:30 – 7:45 AM Stanley Park Ballroom

CME Symposium: Controversies in Thyroid Hormone Therapy

Moderator: Peter Singer

Testing the bioavailability of oral L-T4 Jim Stockigt
Minimally abnormal TSH levels: are they relevant? Whitney Woodmansee
Treating children with congenital hypothyroidism: How much and how fast?
Stephen LaFranchi

*“Early-riser” CME Symposium and Breakfast supported in part by an
unrestricted educational grant from Abbott Laboratories*

8:00 – 8:15 am Bayshore Salons ABC

Welcome and Introductions

Paul W. Ladenson ATA President-elect
Gregory A. Brent ATA Secretary
Mary H. Samuels ATA Program Chair, Clinical Medicine
James R. Baker, Jr. ATA Program Chair, Basic Science

8:15 – 9:00 am Bayshore Salons ABC

Keynote Clinical Address: “Thyroid Hormone Transport into Cells”

Theo J. Visser, PhD

Professor
Erasmus University Medical Center
Department of Internal Medicine
Rotterdam, Netherlands

9:00 – 10:00 am Bayshore Salons ABC

Plenary Session – Translational

Oral Abstract Presentations
Chairs: Mary H. Samuels and James R. Baker, Jr.

Program Number 1 Thyroid Cancer Thursday Oral Basic 9:00 AM
Activation of the pituitary tumor-transforming gene is associated with carcinogenesis in a mouse model of thyroid cancer
H. Ying, L. Zhao, Y. Kato, S. Y. Cheng

Program Number 2 Thyroid Hormone Metabolism Thursday Oral Clinical 9:15 AM
PET reveals correlations between regional brain metabolism and mood changes in hyperthyroidism
G. J. Kahaly, U. T. Egle, M. Schreckenberger

Program Number 3 Thyroid Hormone Action Thursday Oral Basic 9:30 AM
Temperature Homeostasis in Mice with Deletion of the Thyroid Hormone Receptor- α Gene

H. Marris, R. E. Weiss, J. E. Silva

Program Number 4 Thyroid Cancer Thursday Oral Clinical 9:45 AM
Management of low measurable thyroglobulin (Tg) levels in thyroid cancer survivors who have negative diagnostic whole body scans

L. Wang, R. J. Robbins, E. Feldman, R. Qualey, M. Fleischer, R. M. Tuttle

9:30 am – 5:00 pm Bayshore Salons DE
Exhibit Hall open

10:00 – 10:30 am Bayshore Salons DEF
Poster Review, View Exhibits and Refreshment Break

10:30 am – 12:00 noon Bayshore Salons ABC
Simultaneous Symposia

The Arthur Bauman Clinical Symposium

Supported by the Arthur Bauman Endowment Fund, this symposium honors the memory of Dr. Arthur Bauman, a master clinician and clinical investigator. The Symposium presents advances in clinical investigation in thyroidology, and promotes participation by younger members of the Association.

Update on Hashimoto's Thyroiditis

Moderator: Rebecca Bahn

The Hurthle Cell and Its Role in Autoimmune Thyroid Disease Patrizio Caturegli
Searching for Autoimmune Thyroid Disease Susceptibility Genes Yaron Tomer
Hashimoto's Disease and the Brain: Does Hashimoto's Encephalopathy Exist?
Robert Utiger

Supported in part by an unrestricted educational grant from King Pharmaceuticals, Inc.

10:30 – 12:00 noon Stanley Park Ballroom
Simultaneous Symposia

Thyroid Hormone Effects on the Brain

Moderator: J. Enrique Silva

Central Mechanisms for the Regulation of the Hypothalamic Pituitary Thyroid Axis:
Implications for the Nonthyroidal Illness Syndrome Ronald Lechan
Developmental Effects of Thyroid Hormone on the Brain Valerie Anne Galton
Roles of the Thyroid Hormone-regulated Corepressor Hairless in Brain and Skin
Catherine Thompson

12:00 noon – 1:30 pm **Meet the Professor Luncheon Workshops**
Advance purchase required; admission by ticket only

President Room

Thursday, September 30, 2004

MTP Basic: How to Prepare an NIH Grant Syed Amir and Ronald Koenig

Seymour Room

MTP Basic: Novel Thyroid Hormone Based Therapies Irwin Klein

Supported in part by an unrestricted educational grant from King Pharmaceuticals, Inc.

MacKenzie Room

MTP Basic: Autoimmunity: Animal Models of Graves' Disease Terry Davies

Oak Rooms 1 & 2

MTP Clinical: Drug-Induced Thyroid Disease Elizabeth Pearce

Cypress Rooms 1 & 2

MTP Clinical: Difficult Thyroid Cancer Cases Matthew Ringel

Supported in part by an unrestricted educational grant from Genzyme Corporation

Chairman Room

MTP Clinical: FNA of the Thyroid: the Pathologist's Perspective Yolanda Oertel

1:30 – 3:00 pm Simultaneous Sessions

Bayshore Salons ABC

Clinical Oral Abstracts

Thyroid Cancer

Chairs: Ian Hay and Matthew Ringel

Program Number 5 Thyroid Cancer Thursday Oral Clinical 1:30 PM

Anaplastic Thyroid Cancer: Treatment Outcome and Prognostic Factors

E. Kebebew, Q. Y. Duh, O. H. Clark

Program Number 6 Thyroid Cancer Thursday Oral Clinical 1:45 PM

Suberoylanilide Hydroxamic Acid (SAHA), an Oral Histone Deacetylase Inhibitor, Slows Clinical Disease Progression in Advanced Thyroid Cancer

R. M. Tuttle, W. K. Kelly, R. Robbins

Program Number 7 Thyroid Cancer Thursday Oral Clinical 2:00 PM

Impact of initial therapy on long-term outcome in papillary thyroid carcinoma (PTC) managed during childhood and adolescence: a battle won or a war lost?

I. Hay, G. Thompson, M. Reinalda, C. Grant, A. Lteif, B. McIver, W. Schwenk, J. Goellner

Program Number 8 Thyroid Cancer Thursday Oral Clinical 2:15 PM

Intensity-Modulated Radiation Therapy (IMRT) for Thyroid Cancer (TC)

B. D. Rosenbluth, N. Y. Lee, R. M. Tuttle, M. Hunt, V. Serrano, A. Narayana, K. Rosenzweig, S. Wolden, A. Shaha, J. Shah, L. Chong

Program Number 9 Thyroid Cancer Thursday Oral Clinical 2:30 PM

A Phase II Study of Celecoxib in Metastatic Differentiated Thyroid Carcinoma

E. Mrozek, D. Arbogast, P. Snider, M. Ringel, R. Kloos, M. Shah

Program Number 10 Thyroid Cancer Thursday Oral Clinical 2:45 PM

Extent of Disease at Presentation and Practice Patterns for Medullary Thyroid Cancer: Have We Made Progress?

E. Kebebew, J. Grunwell, N. Caron

1:30 – 3:00 pm Simultaneous Sessions

Stanley Park Ballroom

Basic Oral Abstracts

Autoimmunity and Cell Biology

Chairs: Terry Davies and Christine Spitzweg

Program Number 11 Autoimmunity Thursday Oral Basic 1:30 PM

A single nucleotide polymorphism in the 5'UTR of CD40 which is associated with Graves' Disease influences CD40 translation: A case for Translational Pathophysiology

E. Jacobson, E. Concepcion, Y. Tomer

Program Number 12 Autoimmunity Thursday Oral Basic 1:45 PM

A Role for the Mannose Receptor in Thyroid Autoimmunity?

G. D. Chazenbalk, P. N. Pichurin, B. Rapoport, S. M. McLachlan

Program Number 13 Autoimmunity Thursday Oral Basic 2:00 PM

Stimulation of Adipogenesis by Soluble Frizzled Related Protein-1 in Cultured Orbital Preadipocytes from Patients with Graves' Ophthalmopathy

S. Kumar, M. J. Coenen, R. S. Bahn

Program Number 14 Cell Biology Thursday Oral Basic 2:15 PM

Evidence for an association between TSH and IGF-1 receptors in human thyrocytes

A. G. Gianoukakis, S. Tsui, N. Hoa, A. S. Hikim, T. J. Smith

Program Number 15 Cell Biology Thursday Oral Basic 2:30 PM

Thyrotropin Releasing Hormone (TRH) Signals Through the PLC-IP3-PKC Pathway in Hamster Pancreatic β -Cells (HIT): A Possible Autocrine Potentiation of Glucose Stimulated Insulin Secretion (GSIS)

J. N. Flanagan, G. C. Yaney, S. L. Lee, B. E. Corkey, J. T. Deeney

Program Number 16 Cell Biology Thursday Oral Basic 2:45 PM

Monomerization May Be a Prerequisite for Cleavage and Shedding of the Thyrotropin Receptor

R. Latif, T. Ando, T. Davies

3:00 – 3:45 pm

Bayshore Salons ABC

Sidney H. Ingbar Distinguished Lectureship

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. The award is supported in part by an unrestricted educational grant from Abbott Laboratories.

"An Odyssey in Thyroid Autoimmunity"

Sandra McLachlan, PhD

Professor of Medicine
Cedars-Sinai Research Institute and Department of Medicine,
University of California Los Angeles
Los Angeles, California

Thursday
Poster Session
3:45 – 5:00 pm

Bayshore Salons EF
Poster Review, View Exhibits and Refreshment Break
Posters 17 – 83

Program Number 17 Autoimmunity Thursday Poster Clinical
Outcome of Patients with Clinical Presentation of Postpartum Hypothyroidism
F. Azizi

Program Number 18 Autoimmunity Thursday Poster Clinical
High antithyroglobulin antibodies in neonates are associated with the occurrence of transient congenital hypothyroidism: a new pathogenetic role or just a coincidence?
A. Ordookhani, P. Mirmiran, M. Hedayati, F. Azizi

Program Number 19 Autoimmunity Thursday Poster Clinical
Continued suppression of serum TSH levels may be attributed to the TSH receptor antibodies during antithyroid drug therapy in patients with Graves' disease
Y. J. Chung, B. W. Lee, J. Y. Kim, K. W. Kim, J. H. Chung

Program Number 20 Autoimmunity Thursday Poster Clinical
Graves' Alternans, Hashitoxicosis or the "Thyroid Yo-Yo Syndrome"? Fluctuating Hyper- and Hypothyroidism
S. D. Licht, L. Wartofsky

Program Number 21 Autoimmunity Thursday Poster Basic
Monoclonal antibodies which are powerful thyroid stimulating autoantibody antagonists – potential application in the treatment of Graves' eye disease
J. Sanders, J. Jeffreys, H. Depraetere, M. Evans, T. Richards, A. Kiddie, J. Furmaniak, B. Rees Smith

Program Number 22 Autoimmunity Thursday Poster Basic
Structural analysis of the human thyroid stimulating monoclonal autoantibody M22
J. Sanders, J. Jeffreys, D. Chirgadze, R. Núñez Miguel, L. Premawardhana, H. Depraetere, M. Evans, T. Richards, A. Kiddie, K. Brereton, T. Blundell, J. Furmaniak, B. Rees Smith

Program Number 23 Autoimmunity Thursday Poster Basic

TSHR-adenovirus-induced Graves' disease is attenuated in both interferon- γ and interleukin-4 knockout mice; Implications for the Th1/Th2 paradigm

Y. Nagayama, S. McLachlan, B. Rapoport, H. Kano, Y. Kumazawa

Program Number 24 Autoimmunity Thursday Poster Basic

"Hijacking" the Thyrotropin Receptor: A Chimeric Receptor-Lysosome Associated Membrane Protein Enhances DNA Vaccination and Induces Graves' Hyperthyroidism in Mice

P. N. Pichurin, G. D. Chazenbalk, H. Aliesky, O. Pichurina, B. Rapoport, S. M. McLachlan

Program Number 25 Cell Biology Thursday Poster Basic

ERp72 is a reductase in the unfolding of mutant thyroglobulin

S. Menon, A. William, L. Bailing, P. S. Kim

Program Number 26 Cell Biology Thursday Poster Basic

L-Thyroxine Induces Mitogen-Activated Protein Kinase Activation via Binding to Integrin $\alpha\beta 3$

J. J. Bergh, H. Y. Lin, S. N. Mohamed, S. A. Mousa, F. B. Davis, P. J. Davis

Program Number 27 Cell Biology Thursday Poster Basic

Ghrelin potentiates the proliferation of thyroid cells

Y. J. Park, M. Shong, D. J. Park, B. Y. Cho

Program Number 28 Iodine Uptake and Metabolism Thursday Poster Clinical

The effects of vitamin A deficiency and vitamin A supplementation on thyroid function in iodine-deficient, goitrous children

M. B. Zimmermann, R. Wegmueller, C. Zeder, N. Chaouki, T. Torresani

Program Number 30 Iodine Uptake and Metabolism Thursday Poster Clinical

Assessment of Urinary and Breast Milk Iodine Concentrations in Lactating Mothers from Gorgan, Iran

H. R. Bazrafshan, S. Mohammadian, A. Ordoorkhani, A. Abedini, R. Davoudy, E. N. Pearce, M. Hedayati, F. Azizi, L. E. Braverman

Program Number 31 Iodine Uptake and Metabolism Thursday Poster Clinical

The Effect of Low Dose Perchlorate for Six Months on Thyroid Function in Normal Volunteers

L. E. Braverman, X. He, S. Pino, B. Magnani, A. Firek

Program Number 32 Iodine Uptake and Metabolism Thursday Poster Basic

Identification of Regions Responsible for Difference in Cell Surface Trafficking and Iodide Uptake Activity between Human NIS and Rat NIS

Z. Zhang, W. Zhang, S. M. Jhiang

Program Number 33 Iodine Uptake and Metabolism Thursday Poster Basic

Relative Potencies and Additivity of Perchlorate, Thiocyanate, Nitrate and Iodide on the Inhibition of Radioactive Iodide Uptake by the Human Sodium Iodide Symporter

M. Tonacchera, A. Pinchera, D. Antonio, F. Eleonora, A. Patrizia, V. Paolo, K. S. Crump, J. P. Gibbs

Program Number 34 Iodine Uptake and Metabolism Thursday Poster Basic

Comparative Characterization of Rat Thyroid Iodotyrosine Dehalogenase and Iodothyronine Deiodinase Type 1

J. Solis-S, P. Villalobos, A. Orozco, C. Valverde-R

Program Number 35 Thyroid and Development Thursday Poster Clinical

Maternal Thyroid Disease and Infant Visual Processing

L. Rosenberg, C. Westall, L. Kenton, J. Rovet

Program Number 36 Thyroid and Development Thursday Poster Clinical
Effect of Iodine Supplementation before and during Pregnancy on Intelligent Quotients of Children
P. Mirmiran, N. Salarkia, F. Azizi

Program Number 37 Thyroid and Development Thursday Poster Clinical
Thyroxine, Thyroid Stimulating Hormone and Urinary Iodine Adjustments in Pregnant and Non-Pregnant Women of Childbearing Age in the US
O. P. Soldin, R. E. Tractenberg

Program Number 38 Thyroid Cancer Thursday Poster Clinical
Potential Efficacy of Capecitabine (Xeloda) in Medullary and Follicular Thyroid Carcinoma: A Case Series
L. K. Gilliam, A. D. Kohn, R. B. Livingston, T. Lalani, P. E. Swanson, D. A. Mankoff, P. Capell, C. A. Pickett

Program Number 39 Thyroid Cancer Thursday Poster Clinical
rhTSH in children and adolescents with differentiated thyroid carcinoma (DTC): similar serum TSH levels with standard or half dosing
V. C. Herzovich, S. Iorcansky, L. Miravalle, L. Gruñeiro, R. M. Tuttle

Program Number 41 Thyroid Cancer Thursday Poster Clinical
Nat2 Gene New Polymorphisms in a Brazilian Population with Thyroid Cancer
L. S. Ward, P. L. Santarosa, J. Morari

Program Number 42 Thyroid Cancer Thursday Poster Clinical
The association between NIS gene expression and aging in thyroid papillary carcinoma
Y. Nakata, T. Takano, A. Miyauchi, H. Yoshida, N. Amino

Program Number 43 Thyroid Cancer Thursday Poster Clinical
Role of neck ultrasonography, of thyroglobulin after rhTSH, and of FDG-PET in post-surgical follow-up of differentiated thyroid carcinoma (DTC)
L. Pagano, M. Klain, M. Pulcrano, F. Fasano, G. Storto, E. Nicolai, L. Pace, M. Salvatore, G. Lombardi, B. Biondi

Program Number 44 Thyroid Cancer Thursday Poster Clinical
RET proto-oncogene mutations were restricted to codon 634 & 618 in Korean families with MEN 2A
Y. J. Chung, J. Y. Kim, H. J. Kim, K. W. Kim, J. H. Chung

Program Number 45 Thyroid Cancer Thursday Poster Clinical
Different physiological estrogenic concentrations do not affect outcomes in individuals treated for well-differentiated thyroid cancer
J. C. Furlan, Y. C. Bedard, I. B. Rosen

Program Number 46 Thyroid Cancer Thursday Poster Clinical
Gsto Polymorphism Analysis in Thyroid Nodules
L. S. Ward, F. Granja, E. C. Morari, J. Morari, L. V. M. Assumpção

Program Number 47 Thyroid Cancer Thursday Poster Clinical
Prognosis of Patients with Huerthle Cell Papillary Thyroid Carcinoma
N. Besic, M. Bracko, J. Zgajnar, M. Hocevar, R. Petric, G. Pilko

Program Number 48 Thyroid Cancer Thursday Poster Clinical

Controversial Ectopic Thyroid: A Case Report of Thyroid Tissue in the Axilla and Benign Total Thyroidectomy

H. A. Kuffner, J. L. Hunt

Program Number 49 Thyroid Cancer Thursday Poster Clinical

Patient Demographics And Surgeon Volume As Factors Determining Extent Of Thyroidectomy In Differentiated Thyroid Cancer

P. I. Haigh, L. Paszat, T. To, L. Rotstein

Program Number 50 Thyroid Cancer Thursday Poster Basic

Major histocompatibility complex class I-related chain A/B (MICA/B) expression and regulation in thyroid neoplasms: A potential role in modulating the cytotoxicity of natural killer cells

X. Xu, G. Rao, H. Ding, G. Maki, H. G. Klingemann, P. Gattuso, J. Plate, R. A. Prinz

Program Number 51 Thyroid Cancer Thursday Poster Basic

Growth Inhibition of an Anaplastic Thyroid Carcinoma Cell Line by a Rexinoid and Thiazolidinedione may Occur Through Leukemia Inhibitory Factor Signaling

J. P. Klopfer, W. R. Hays, V. Sharma, K. Weber, R. P. Bissonnette, B. R. Haugen

Program Number 52 Thyroid Cancer Thursday Poster Basic

Gene Regulation by the C-Terminal PXXP Motif of Pituitary Tumor Transforming Gene (PTTG)

C. Gokce, L. A. Tannahill, A. L. Stratford, F. L. Khanim, H. N. Pemberton, D. S. Kim, N. J. Gittoes, K. Boelaert, C. J. McCabe, J. A. Franklyn

Program Number 53 Thyroid Cancer Thursday Poster Basic

Expression of sodium iodide symporter in the lacrimal drainage system: implication for the mechanism underlying nasolacrimal duct obstruction in I-131 treated patients

D. D. Vadysirisack, K. E. Morgenstern, Z. Zhang, S. M. Jhiang, R. T. Kloos

Program Number 54 Thyroid Cancer Thursday Poster Basic

Vimentin is Expressed by Papillary Thyroid Cancer Cells (NPA) In Vitro Where the Intracellular Localization is Regulated by Insulin and Akt Activation

V. Vasko, M. H. Adly, M. Ringel, M. Saji, A. Patel, K. Burman, X. D. Ji, G. Jiang, R. Datta, C. Jozwik, D. M. Jacobowitz, R. Moores, G. L. Francis

Program Number 55 Thyroid Diseases Thursday Poster Clinical

Treatment of both Overt and Subclinical Hyperthyroidism in Women Results in Increased Skeletal Muscle, Fat, and Bone Mass

L. J. S. Greenlund, K. S. Nair, M. Brennan

Program Number 56 Thyroid Diseases Thursday Poster Clinical

Effect of Long-Term Continuous Methimazole Treatment of Thyrotoxicosis: Comparison with Radioiodine

F. Azizi, L. Atae, M. Hedayati, Y. Mehrabi, F. Sheikholeslami

Program Number 57 Thyroid Diseases Thursday Poster Clinical

The Cost Effectiveness of Treatment Modalities for Thyrotoxicosis - A 2-Year Follow-Up Study

N. N. Patel, J. J. Baker, P. Abraham, M. P. Vanderpump

Program Number 58 Thyroid Diseases Thursday Poster Clinical

Detection and characterization of thyroid diseases in subjects with pulmonary arterial hypertension

J. W. Chu, R. M. Haas, R. L. Doyle

- Program Number 59 Thyroid Diseases Thursday Poster Clinical
Clinical Characteristics and Outcome of 102 Patients with Painful Hashimoto's Thyroiditis
H. Ohye, S. Fukata, S. Kubota, I. Sasaki, N. Amino, K. Kuma, A. Miyauchi
- Program Number 60 Thyroid Diseases Thursday Poster Clinical
Thyroidectomy for Graves' disease: A 14-year experience in a single surgical practice
K. Spanknebel, R. McConnell, J. Chabot, M. DiGiorgi, W. B. Inabnet, P. LoGerfo
- Program Number 61 Thyroid Diseases Thursday Poster Clinical
Bone Mineral Density in Women with Disturbances of Thyroid Function
O. A. Schegoleva, L. V. Menjshikova
- Program Number 62 Thyroid Diseases Thursday Poster Clinical
Primary Pulmonary Hypertension associated to autoimmune hyperthyroidism
S. D. Licht, C. Orquera, M. Gomez, H. Massieri, O. Genovese, L. Parise, A. R. Ayala
- Program Number 63 Thyroid Diseases Thursday Poster Basic
Lymphoid tyrosine phosphatase—a novel susceptibility locus for Graves' disease
J. E. Collins, J. M. Heward, J. A. Franklyn, S. C. L. Gough
- Program Number 64 Thyroid Diseases Thursday Poster Basic
Tie2 and its activated form are present in thyroid follicular cells in vivo
M. A. Buchanan, J. D. Ramsden, V. Mautner, J. C. Watkinson, M. C. Eggo
- Program Number 65 Thyroid Hormone Action Thursday Poster Clinical
Propylthiouracil induced chemical hypothyroidism correlates with survival in recurrent high grade glioma
A. Hercbergs, S. Lee, S. Reddy, M. Gupta, G. Barnett
- Program Number 66 Thyroid Hormone Action Thursday Poster Clinical
Complete Suppression of TSH by Morphine in a Severely Stressed Patient
C. Ogrin, G. C. Schussler
- Program Number 67 Thyroid Hormone Action Thursday Poster Basic
Beta myosin heavy chain gene transcription in the heart: analysis by chromatin immunoprecipitation
S. E. Danzi, I. Klein
- Program Number 68 Thyroid Hormone Action Thursday Poster Basic
Topical Iopanoic Acid Inhibits Epidermal Proliferation in Mice
J. D. Safer, T. M. Crawford, M. F. Holick
- Program Number 69 Thyroid Hormone Action Thursday Poster Basic
Role of Thyroid Hormone Receptor α in Fatty Acid Oxidation
Y. Y. Liu, G. A. Brent
- Program Number 70 Thyroid Hormone Action Thursday Poster Basic
Reversal of Alterations in Body Composition and Energy Expenditure Associated with Severe Hypothyroidism in Mice
W. W. Woodmansee, J. R. Mitchell, D. R. Jensen, D. J. Haakinson, R. H. Eckel, E. C. Ridgway
- Program Number 71 Thyroid Hormone Metabolism Thursday Poster Clinical
A Strategy for Lipid-Lowering Without Cardiovascular Effects

Y. L. Li, C. Litten, K. Mellström, N. Garg, A. M. Garcia Collazo, K. Koehler, M. Grynfarb, J. Sandberg, D. Ryono, G. Grover, P. Slep, B. Beehler, R. George, J. Malm

Program Number 72 Thyroid Hormone Metabolism Thursday Poster Clinical
The relation between iron status and thyroid hormone concentration in iron deficient adolescent girls
M. H. Eftekhari, K. Simondon

Program Number 73 Thyroid Hormone Metabolism Thursday Poster Basic
Regulatory Role of the 3'Untranslated Region (3'UTR) of Rat Deiodinase Type 1: Effect on mRNA Stability and Translation
O. Arroyo-Helguera, C. Mejia, A. Varela-Echavarría, C. Aceves

Program Number 74 Thyroid Hormone Metabolism Thursday Poster Basic
Type I Deiodinase Activity (Dio1) in Prostate Gland. Modulation by Sex Hormones
B. Anguiano, A. López-Juárez, V. Romero, G. Delgado, C. Aceves

Program Number 75 Thyroid Hormone Metabolism Thursday Poster Basic
A New Mathematical Model of Anterior Pituitary TSH Secretion for Mechanism Hypothesis Testing
M. C. Eisenberg, T. F. Fuller, J. J. DiStefano III

Program Number 76 Thyroid Imaging Thursday Poster Clinical
Diagnosis of benign thyroid nodules by ultrasound and its correlation with cytopathology and histopathology
R. Camargo, E. Tomimori, K. Seidenberger, G. Medeiros-Neto

Program Number 77 Thyroid Nodules and Goiter Thursday Poster Clinical
New thyroglobulin gene abnormalities and dys hormonogenic goiter in adult
S. Fukata, F. Matsuzuka, K. Kuma, A. Miyauchi, A. Hishinuma, T. Ieiri, M. Sugawara

Program Number 78 Thyroid Nodules and Goiter Thursday Poster Clinical
Fine-needle Biopsy: Prospective Comparison of Aspiration versus Nonaspiration Techniques in Thyroid Nodules
G. A. Carvalho, T. C. Cavalcanti, D. Rosenthal, H. Graf

Program Number 79 Thyroid Nodules and Goiter Thursday Poster Clinical
Gender specific determinants of goitre
J. Farahati, K. Wegscheider, K. Christ, E. Gilman, W. Oing

Program Number 80 Thyroid Nodules and Goiter Thursday Poster Clinical
Accuracy, sensitivity and specificity of fine-needle aspiration biopsy rely on methodological criteria
J. C. Furlan, I. B. Rosen

Program Number 81 Thyroid Nodules and Goiter Thursday Poster Clinical
Multinodular Goiter: How many biopsies are enough?
S. Kwong, J. Ginsberg

Program Number 82 Thyroid Nodules and Goiter Thursday Poster Clinical
Fine-needle aspiration biopsy correlated with histological findings in 134 patients with thyroid nodules: a retrospective analysis
G. A. Carvalho, H. Graf, G. J. Paz Filho, C. B. Franco, F. C. Justus, P. H. Dias, R. V. Rocha, J. Alberton, N. Mallmann

Thursday, September 30, 2004

Program Number 83 Thyroid Nodules and Goiter Thursday Poster Clinical
Retrospective analysis of histology and post-operative complications in 178 patients with thyroid disease submitted to surgery
G. A. Carvalho, H. Graf, C. B. Franco, G. Paz, F. C. Justus, P. H. Dias, R. V. Rocha, J. Alberton, N. Mallmann

5:00 – 6:30 pm

Stanley Park Ballroom

Annual Business Meeting of the American Thyroid Association

Members Only

6:30 – 10:00 pm

Social Event

Making Waves – Vancouver Aquarium & Marine Center

A special night of fun and jazz at this major Vancouver attraction in the famed Stanley Park.

Advance reservation required; admission by ticket only

Buses depart at 6:30 pm from Westin Bayshore Main Lobby Entrance

**76th Annual Meeting of the American Thyroid Association
Westin Bayshore Resort & Marina
Vancouver, BC, Canada
September 30 –October 3, 2004**

Friday, October 1, 2004

6:00 – 6:30 am Stanley Park Foyer
Breakfast

6:30 – 7:45 am Stanley Park Ballroom
Recent Advances in the Treatment of Thyroid Cancer
Moderator: Ernest Mazzaferri

Options for ablating thyroid remnants Furio Pacini
Thyroglobulin levels in thyroid cancer: Do supersensitive assays matter? Martin Schlumberger
Complications of radioiodine therapy in thyroid cancer Stephanie Lee

“Early Riser” CME Symposium and breakfast supported in part by an unrestricted educational grant from Genzyme Corporation

8:00 – 8:45 am Bayshore Salons ABC

Van Meter Award Lecture – To Be Announced

Established in 1930, the Van Meter Award is awarded to a person who has made outstanding contributions to research on the thyroid gland or related subjects. The awardee must not be older than the age of 45 in the year of the award. Supported in part by an educational grant from Quest Diagnostics Incorporated

8:45 – 10:00 am Simultaneous Sessions

Clinical Bayshore Salons ABC

Thyroid Nodules and Cancer

Moderator: Michael Tuttle

The Utility of Molecular Markers in Thyroid Neoplasms

New Techniques in Thyroid Surgery

The Utility of Blood Markers in Thyroid Cancer

Symposium supported in part by an unrestricted educational grant from Genzyme Corporation

Bryan Haugen

Randal Weber

Furio Pacini

8:45 – 10:00 am Simultaneous Sessions

Basic Stanley Park Ballroom

Expression Arrays in Thyroid Disease

Moderator: Bryan McIver

Expression Arrays in the Analysis of Thyroid Cancer

Expression Arrays in the Analysis of Metabolism Abnormalities

Expression Arrays in Autoimmunity

Charis Eng

Thomas Giordano

Su He Wang

9:30 am – 1:30 pm Bayshore Salons DE

Exhibit Hall open

10:00 – 10:30 am Bayshore Salons DEF

Refreshment Break in the Exhibit Hall

10:30 am – Noon Simultaneous Sessions

Bayshore Salons ABC

Clinical Oral Abstracts

Thyroid and Development / Thyroid Diseases

Chairs: Erik Alexander and Paolo Beck-Peccoz

Program Number 84 Thyroid Diseases Friday Oral Clinical 10:30 AM

The Thyroid and Pregnancy: A Novel Risk Factor for Very Preterm Delivery

A. Stagnaro-Green, X. Chen, J. Bogden, T. F. Davies, T. O. Scholl

Program Number 85 Thyroid Diseases Friday Oral Clinical 10:45 AM

Thyroid dysfunction as a predictor of cardiovascular disease and mortality

J. P. Walsh, P. O'Leary, P. J. Leedman, V. Michelangeli, P. Feddema

Program Number 86 Thyroid Diseases Friday Oral Clinical 11:00 AM

Thyroxine treatment is associated with reduction in all-cause and vascular mortality in subjects treated with radioiodine for hyperthyroidism

J. A. Franklyn, M. C. Sheppard, P. Maisonneuve

Program Number 87 Thyroid and Development Friday Oral Clinical 11:15 AM

Developmental trends in cord and postpartum serum thyroid hormones in preterm infants

C. Delahunty, F. L. Williams, S. A. Ogston, J. Simpson, N. Murphy, H. van Toor, J. J. Bongers-Schokking, S. Y. Wu, R. Hume, T. J. Visser

Program Number 88 Thyroid and Development Friday Oral Clinical 11:30 AM

Neurodevelopmental Consequences of Maternal Hypothyroidism during Pregnancy

J. F. Rovet

Chairman Room

MTP Clinical: Pediatric Thyroid Disease: Newborn Screening and Treatment Stephen LaFranchi
Supported in part by an unrestricted educational grant from Abbott Laboratories

Seymour Room

MTP Clinical: Nonthyroidal Illness Elaine Kaptein
Supported in part by an unrestricted educational grant from Abbott Laboratories

1:30 pm **Exhibit Hall Closes**

1:30 – 3:00 pm Simultaneous Sessions
Bayshore Salons ABC

Clinical Oral Abstracts
Thyroid Cancer and Thyroid Nodules
Chairs: Richard Kloos and Steven Sherman

Program Number 96 Thyroid Cancer Friday Oral Clinical 1:30 PM
Comparison between 124-I and 131-I for dosimetry and whole body scanning in metastatic thyroid carcinoma

A. J. Martorella, R. Finn, K. Pentlow, J. Humm, A. Sheikh, K. Kolbert, D. Lee, R. M. Tuttle, S. M. Larson, R. J. Robbins

Program Number 97 Thyroid Cancer Friday Oral Clinical 1:45 PM
An enhanced RT-PCR assay for TSHR and/or Thyroglobulin mRNA transcripts in peripheral blood for preoperative diagnosis of malignancy in patients with thyroid nodular disease

M. K. Gupta, K. Wagner, R. Arciaga, M. Milas, S. S. K. Reddy, A. Siperstein

Program Number 98 Thyroid Cancer Friday Oral Clinical 2:00 PM
Gene Expression Signature of Oncocytic (Hurthle Cell) Thyroid Carcinoma

D. Thomas, M. Lizyness, R. Kuick, D. Sanders, D. Misek, S. Hanash, Y. Nikiforov, R. Koenig, T. J. Giordano

Program Number 99 Thyroid Cancer Friday Oral Clinical 2:15 PM
BRAF mutation analysis in metastatic papillary thyroid carcinomas reveals a new mutation in the lymph nodes

G. Oler, K. Ebina, E. T. Kimura, J. Cerutti

Program Number 100 Thyroid Cancer Friday Oral Clinical 2:30 PM
Cyp11a1m1 Variants and Susceptibility to Thyroid Cancer

L. S. Ward, N. E. Bufalo, J. L. Leite, F. Granja, E. C. Morari, J. Morari, L. V. M. Assumpção

Program Number 101 Thyroid Cancer Friday Oral Clinical 2:45 PM
Clinicopathologic significance of tumor capsular invasion in papillary and follicular thyroid carcinomas

J. C. Furlan, Y. C. Bedard, I. B. Rosen

1:30 – 3:00 pm Simultaneous Sessions
Stanley Park Ballroom

Basic Oral Abstracts

Thyroid Hormone Action and Thyroid Hormone Metabolism

Chairs: Donald St.Germain and Paul Yen

Program Number 102 Thyroid Hormone Action Friday Oral Basic 1:30 PM
Thyroid hormone regulated genes as targets for PCB induced neurotoxicity – a 2D-DIGE approach
S. Van der Geyten, S. A. Roelens, G. Aerts, S. Clerens, G. Vanden Bergh, L. Arckens, V. M. Darras

Program Number 103 Thyroid Hormone Action Friday Oral Basic 1:45 PM
Tissue- and Gene-Specific Utilization of Steroid Receptor Coactivator-3 by Thyroid Hormone Receptor during Xenopus Laevis Metamorphosis
Y. B. Shi

Program Number 104 Thyroid Hormone Action Friday Oral Basic 2:00 PM
NCoR enhances TR-mediated basal transactivation through a novel negative thyroid hormone responsive element of rat CD44 gene
S. C. Ho, S. J. Hong, K. M. Kim, J. W. Harney, S. W. Kim

Program Number 105 Thyroid Hormone Metabolism Friday Oral Basic 2:15 PM
Changes in Thyroid Hormone (TH) economy in Type 1 Deiodinase (D1) knock-out mice
V. A. Galton, M. J. Schneider, B. Thai, D. L. St. Germain, S. Y. Wu

Program Number 106 Thyroid Hormone Metabolism Friday Oral Basic 2:30 PM
Experiment Design for Complete, Organ-Specific 4-D Quantification of Thyroid Hormone Distribution Dynamics by PET Functional Imaging & Simultaneous Blood Sampling
J. J. DiStefano, J. Skrinska

Program Number 107 Thyroid Hormone Metabolism Friday Oral Basic 2:45 PM
Adrenergic Regulation of Type 2 Iodothyronine Deiodinase in Rat Aorta Media
S. Yasuzawa-Amano, N. Toyoda, T. Iwasaka, M. Nishikawa

Friday Bayshore Salons EF
Poster Session Poster Review and Refreshment Break
3:00 – 3:30 pm **Posters 108 – 174**

Program Number 108 Autoimmunity Friday Poster Clinical
Graves' Ophthalmopathy Before and After Radioactive Iodine Therapy of Graves' Disease in a Community Cohort
R. E. Bryan, G. D. Jenkins, V. Fatourech

Program Number 109 Autoimmunity Friday Poster Clinical
Psychosocial Morbidity of Graves' Ophthalmopathy
G. J. Kahaly, F. Petrak, J. Hardt, S. Pitz, U. T. Egle

Friday, October 1, 2004

- Program Number 110 Autoimmunity Friday Poster Clinical
The Role of Orbital Magnetic Resonance Imaging and G2s Antibodies in the Diagnosis and Classification of Thyroid-Associated Ophthalmopathy
S. El-Kaissi, P. Brotchie, I. Farrance, B. L. Champion, M. S. Yeo, C. B. Styles, G. C. Nicholson, M. A. Kotowicz, J. R. Wall
- Program Number 111 Autoimmunity Friday Poster Clinical
CTLA-4 gene polymorphisms in Turkish Graves' patients
M. Sahin, M. F. Erdogan, G. Erdogan
- Program Number 112 Autoimmunity Friday Poster Basic
Successful Cloning and Expression of a Recombinant Monoclonal Thyrotropin Receptor Stimulating Antibody
T. Ando, R. Latif, T. Davies
- Program Number 113 Autoimmunity Friday Poster Basic
Susceptibility Rather than Resistance to Hyperthyroidism is Dominant in a Thyrotropin Receptor Adenovirus-induced Animal Model of Graves' Disease as Revealed by BALB/C-C57BL/6 Hybrid Mice
C. R. Chen, H. Aliesky, P. N. Pichurin, Y. Nagayama, S. McLachlan, B. Rapoport
- Program Number 114 Autoimmunity Friday Poster Basic
Use of a human monoclonal thyroid stimulating autoantibody in a new assay for TSH receptor autoantibodies
B. Rees Smith, J. Bolton, S. Young, A. Collyer, A. Weeden, J. Bradbury, D. Weightman, P. Perros, J. Sanders, J. Furmaniak
- Program Number 115 Autoimmunity Friday Poster Basic
T Cell Reactivity against G2s and Effect of Pregnancy on Anti-G2s Eye Antibodies in an Experimental Mouse Model for Ophthalmopathy
T. Mizokami, C. H. Chang, S. El-Kaissi, A. W. Li, K. A. West, J. R. Wall
- Program Number 116 Cell Biology Friday Poster Basic
N-linked glycosylation of pendrin and its effect on iodide efflux
L. N. Chan, L. Chen, M. P. Gillam, P. Kopp
- Program Number 117 Cell Biology Friday Poster Basic
Effects of High Dose Estrogen on Thyroid Specific Genes Expression and Cell Growth
H. K. Chung, H. Y. Park, D. W. Kim, H. J. Kim
- Program Number 118 Cell Biology Friday Poster Basic
The aging-related change of TSH-responsiveness and thyroid-specific antigenic expression in thyroid cells
Y. J. Park, T. Y. Kim, M. Shong, D. J. Park, B. Y. Cho
- Program Number 119 Iodine Uptake and Metabolism Friday Poster Clinical
The Effect of Perchlorate, Thiocyanate, and Nitrate on Thyroid Function in Long-Term Workers Exposed to Perchlorate
L. E. Braverman, X. He, S. Pino, M. Cross, B. Magnani, S. H. Lamm, K. S. Crump, J. P. Gibbs
- Program Number 120 Iodine Uptake and Metabolism Friday Poster Clinical
Hypothyroxinemia and Thiocyanate Exposure
A. Engel, M. B. Kruse, S. H. Lamm

Program Number 121 Iodine Uptake and Metabolism Friday Poster Clinical

Iodine deficiency status of school going children in costal region of Bangladesh

M. S. R. Miah, C. H. Rasul, A. K. Paul, H. A. Rahman

Program Number 122 Iodine Uptake and Metabolism Friday Poster Basic

The Roles of 5' Untranslated Region in the Protein Expression and Cell Surface Trafficking of Human Sodium/Iodide Symporter

X. Lin, Z. Zhang, S. M. Jhiang

Program Number 123 Iodine Uptake and Metabolism Friday Poster Basic

Relationships between Urinary Iodine and Total Thyroxine (TT4) and Thyroid Stimulating Hormone (TSH) Concentrations in the US Population 1988-1994 (NHANES III)

J. G. Hollowell, M. R. McClain, G. E. Palomaki, J. E. Haddow

Program Number 124 Iodine Uptake and Metabolism Friday Poster Basic

Review of iodine recommendations for commercial cat foods and potential impacts of proposed changes

C. H. Edinboro, J. C. Scott-Moncrieff, L. T. Glickman

Program Number 125 Thyroid and Development Friday Poster Clinical

Chronic Environmental Exposure to Perchlorate through Drinking Water and Thyroid Function during Pregnancy and the Neonatal Period

R. Téllez, P. Michaud, C. Reyes, C. Crump, K. S. Crump, J. P. Gibbs

Program Number 126 Thyroid and Development Friday Poster Clinical

Lack of an Effect of Maternal Hypothyroidism and Newborn Screening TSH Levels

J. F. Rovet, K. Perlman

Program Number 127 Thyroid and Development Friday Poster Clinical

Degree of Iodine Deficiency and Neurocognitive Performance

C. Goebel, M. N. Mead, M. B. Kruse, A. Engel, S. H. Lamm

Program Number 128 Thyroid Cancer Friday Poster Clinical

Risk factors for recurrent laryngeal nerve injury during thyroidectomy

D. L. Steward, M. L. Robertson, J. A. Welge

Program Number 129 Thyroid Cancer Friday Poster Clinical

Follicular/Hurthle Thyroid Cancers (FHTC) with Serum Thyroglobulin (Tg) <1µg/L by 1- Year Post-Tx. Have Low Risk of Recurrent/Persistent Disease(R/P)

S. Fatemi, J. LoPresti, R. Guttler, C. Spencer

Program Number 130 Thyroid Cancer Friday Poster Clinical

Association of papillary thyroid carcinoma with lymphocytic thyroiditis: Clinical and prognostic implications

J. C. Furlan, Y. C. Bedard, I. B. Rosen

Program Number 131 Thyroid Cancer Friday Poster Clinical

The effects of gender on outcomes and prognosis of papillary and follicular thyroid carcinomas

J. C. Furlan, Y. C. Bedard, I. B. Rosen

Friday, October 1, 2004

Program Number 132 Thyroid Cancer Friday Poster Clinical
Importance of Thyroglobulin Dosage Before Radioiodine Thyroid Remnant Ablation Stimulated by rhTSH in Patients with Differentiated Thyroid Carcinoma

H. Graf, G. Paz, G. A. Carvalho, M. Olandoski, A. Hyai, C. E. Ueda, L. C. Woellner

Program Number 133 Thyroid Cancer Friday Poster Clinical
Primary Squamous Cell Carcinoma of the Thyroid: Report of 10 Cases

F. Booya, T. J. Sebo, V. Fatourech

Program Number 134 Thyroid Cancer Friday Poster Clinical
Thirty-six courses of rhTSH aided radioiodine treatments in 26 patients with Differentiated Thyroid Carcinoma (DTC)

F. Pitoia, E. El Tamer, D. B. Schere, M. Passerieu, K. Danilowicz, O. D. Bruno, H. Niepomniszcze

Program Number 135 Thyroid Cancer Friday Poster Clinical
Familial Aggregates of Papillary Thyroid Cancer (PTC)

T. J. McDonald, B. Garcia, G. Ryan, D. Breadner, K. Shanmugarajan, A. Driedger

Program Number 136 Thyroid Cancer Friday Poster Clinical
Improved prognosis of patients with papillary thyroid cancer after total thyroidectomy with bilateral neck dissection: Rational strategy for neck dissection

T. Kikumori, A. Shibata, Y. Hibi, T. Imai

Program Number 137 Thyroid Cancer Friday Poster Clinical
Clinical outcome by AMES scoring system in Japanese differentiated thyroid carcinoma patients

N. Wada, S. Hasegawa, S. Hirakawa, K. Matsuzu, H. Nakayama, K. Inui, Y. Takanashi

Program Number 138 Thyroid Cancer Friday Poster Clinical
A Case of Sarcoid Reaction Preceding Anaplastic Thyroid Carcinoma

J. Barnes, A. Gandhi, K. Suvarna, A. Weetman, A. Allahabadia, B. Harrison

Program Number 139 Thyroid Cancer Friday Poster Clinical
Thyroid papillary carcinoma presenting with breast metastases to the same thyroid gland

R. Leboeuf, M. F. Langlois

Program Number 140 Thyroid Cancer Friday Poster Basic
Transcriptional function of PAX8-PPAR γ

A. Au, C. McBride, L. Cheung, M. Messina, D. Learoyd, R. Clifton-Bligh, B. Robinson

Program Number 141 Thyroid Cancer Friday Poster Basic
Single agent and combinatorial therapy of a novel high affinity PPAR γ agonist inhibits human anaplastic thyroid tumor growth

J. A. Copland, S. Kurakata, K. Fujiwara, A. Wong, L. A. Marlow, R. C. Smallridge

Program Number 142 Thyroid Cancer Friday Poster Basic
Gene Expression Signature of PAX8-PPAR γ Positive Follicular Thyroid Carcinoma

D. Thomas, M. Lizyness, D. Sanders, R. Koenig, D. Misek, J. MacDonald, R. Kuick, Y. Nikiforov, S. Hanash, T. J. Giordano

Program Number 143 Thyroid Cancer Friday Poster Basic
Human Epididymal Protein 1 is a Marker of Papillae and Corresponds to the Activity of Papillary Proliferation in All Organs
M. Sugawara, F. Moatamed

Program Number 144 Thyroid Cancer Friday Poster Basic
In Vitro Protein Phosphorylation Profiles Provide Insight into the Stress-Related Signal Pathways of Thyroid Cancer Cells
M. H. Adly, C. Jozwik, X. D. Ji, G. Jiang, R. Datta, D. M. Jacobowitz, R. Moores, M. Ringel, M. Saji, R. M. Tuttle, G. L. Francis

Program Number 145 Thyroid Diseases Friday Poster Clinical
Identification of patients with Graves' ophthalmopathy at risk for loss of vision
P. Laurberg, J. H. Nehen

Program Number 146 Thyroid Diseases Friday Poster Clinical
Clinical evaluation of a new commercial bioassay for the detection of thyroid stimulating immunoglobulins (TSI)
C. M. Preissner, J. F. McCormick, J. C. Morris, S. K. G. Grebe

Program Number 147 Thyroid Diseases Friday Poster Clinical
Effects of experimentally induced subclinical hypothyroidism on quality of life, mood, and cognition
M. H. Samuels, K. Schuff, P. Carello, J. Janowsky

Program Number 148 Thyroid Diseases Friday Poster Clinical
Controlled Antenatal Thyroid Screening Study (CATS): Thyroid Hormone Concentrations During Gestation
J. H. Lazarus, A. B. Parkes, R. John

Program Number 149 Thyroid Diseases Friday Poster Clinical
Arterial embolization in the treatment of primary hyperthyroidism
G. F. Li

Program Number 150 Thyroid Diseases Friday Poster Clinical
Survey on goiter prevalence, urinary iodine excretion and thyroid function in the 13-18 year-old population in a rural area near Tehran
L. Navai, F. Azizi, F. Fattahi

Program Number 151 Thyroid Diseases Friday Poster Clinical
Propylthiouracil Induced Vasculitis – A Case Report
O. Olajide, S. Kumar, K. Hupart

Program Number 152 Thyroid Diseases Friday Poster Clinical
A case of propylthiouracil induced neutropenia in pregnant patient with Graves' disease
H. D. Yoon, J. H. Seo, J. Lee, H. S. Shon, S. H. Park, J. Y. Bae

Program Number 153 Thyroid Diseases Friday Poster Basic
A novel familial Pax8 mutation suggests a role of the paired box DNA-binding domain in transactivation function
H. Grasberger, U. Ringkananont, P. Lefrancois, M. Abramowicz, G. Vassart, S. Refetoff

- Program Number 154 Thyroid Diseases Friday Poster Basic
Mutations in the thyroglobulin gene in patients with congenital hypothyroidism
V. L. Pardo, I. G. Rubio, M. Knobel, J. V. Toniolo, A. J. Chagas, V. Dias, M. Viana, H. M. Targovnik, G. A. ...
Medeiros-Neto
- Program Number 155 Thyroid Hormone Action Friday Poster Clinical
Serum Levels of Tumor Necrosis Factor-Alpha, Ferritin and Sex Hormone Binding-Globulin in Subclinical Hyperthyroidism Patients before and after Methimazole Therapy
J. A. Sgarbi, C. Ambrico, J. H. Romaldini
- Program Number 156 Thyroid Hormone Action Friday Poster Basic
Hypothyroidism of Transgenic Mice Expressing a Dominant Negative Mutant Thyroid Hormone Receptor in Thyroid
K. Nishiyama, A. Matsushita, K. Nakano, Y. Kashiwabara, K. Nagayama, H. Misawa, S. Sasaki, H. Nakamura
- Program Number 157 Thyroid Hormone Action Friday Poster Basic
CoNRN Box Motifs in E1A and C-terminal Nuclear Receptor Corepressors Regulate Constitutive Gene Activation by the Human Thyroid Hormone Receptor
X. Meng, Y. F. Yang, T. R. Fridman, M. Shuen, A. Yousef, P. Webb, J. D. Baxter, J. Mymryk, P. G. Walfish
- Program Number 158 Thyroid Hormone Action Friday Poster Basic
The Implication of RanBPM in the Regulation of the Hypothalamic-pituitary-Thyroid Axis by Thyroid Hormones
M. B. Poirier, M. F. Langlois
- Program Number 159 Thyroid Hormone Action Friday Poster Basic
The negative regulation of thyroid stimulating hormone (TSH) beta gene is mediated through the interaction between DNA binding domain of thyroid hormone receptor and the zinc finger region of transcription factor, GATA2
S. Sasaki, A. Matsushita, K. Nakano, Y. Kashiwabara, K. Nagayama, K. Nishiyama, H. Misawa, H. Nakamura
- Program Number 160 Thyroid Hormone Action Friday Poster Basic
TSH stimulates glucose uptake in human thyroid carcinoma cells
K. Matsuzu, S. Fernando, M. G. Wong, O. H. Clark, N. D. Perrier, D. W. Bowden
- Program Number 161 Thyroid Hormone Action Friday Poster Basic
Treatment with thyroid hormone receptor beta-specific agonist GC-1 limits fat mass accumulation in rats
M. O. Ribeiro, C. M. Villicev, M. S. Aoki, A. Bianco, C. H. Gouveia
- Program Number 162 Thyroid Hormone Metabolism Friday Poster Clinical
Polymorphisms in the type 2 deiodinase (D2) gene are associated with serum thyroid hormone parameters, insulin resistance and/or body composition
R. P. Peeters, H. Attalki, A. W. van den Beld, H. van Toor, J. A. M. J. L. Janssen, G. G. J. M. Kuiper, A. G. Uitterlinden, S. W. J. Lamberts, T. J. Visser
- Program Number 163 Thyroid Hormone Metabolism Friday Poster Clinical
Pharmacodynamic effects of Iopanoic acid as preoperative management of progressive Amiodarone induced thyrotoxicosis
A. Shah, M. Falciglia, J. A. Fagin, Y. Nikiforov, D. L. Steward

Program Number 164 Thyroid Hormone Metabolism Friday Poster Clinical

Evaluation of tamoxifen effect on thyroid hormones in patient with breast cancer

F. A. Meybodi, M. E. Akbari, A. Ghasemi

Program Number 165 Thyroid Hormone Metabolism Friday Poster Basic

The type 2 iodothyronine deiodinase is retained in the endoplasmic reticulum but can be reassigned to the plasma membrane

B. Gereben, A. Zeöld, C. Curcio-Morelli, J. W. Harney, M. Dentice, P. R. Larsen, A. C. Bianco

Program Number 166 Thyroid Hormone Metabolism Friday Poster Basic

Type II Deiodinase and Thyroid Hormone Receptor Gene Expression in the Human Heart

L. Sabatino, E. Gliozheni, F. De Luca, A. Ripoli, A. Marchese, C. Taddei, G. Popoff, G. Iervasi

Program Number 167 Thyroid Hormone Metabolism Friday Poster Basic

Testing Mechanistic Hypotheses with a New Mathematical Model of Human Thyroid Glandular Secretion

T. Fuller, M. C. Eisenberg, J. J. DiStefano III

Program Number 168 Thyroid Imaging Friday Poster Clinical

The Utility of ^{99m}Tc Thyroid Imaging for Radioiodine Treatment of Hyperthyroidism

C. Segasby, C. Wilson, S. Milton-Jones, A. Weetman, A. Allahabadia

Program Number 169 Thyroid Nodules and Goiter Friday Poster Clinical

Effect of Levothyroxine dose and TSH suppression on efficacy of suppressive therapy for benign thyroid nodule reduction: Meta-regression of randomized trials

D. L. Steward, M. Sdano, J. A. Welge

Program Number 170 Thyroid Nodules and Goiter Friday Poster Clinical

Parathyroid Cyst: A Rare Finding Often Mistaken for a Thyroid Cyst

M. B. Ujiki, R. Nayar, P. Angelos

Program Number 171 Thyroid Nodules and Goiter Friday Poster Clinical

The Impact of Assessing Specimen Adequacy on FNA Results and Number of Needle Passes

R. S. Redman, N. A. Massoll, H. Zalaznick, E. L. Mazzaferri

Program Number 172 Thyroid Nodules and Goiter Friday Poster Clinical

Hypothyroidism due to Ethionamide, an Antimycobacterial Drug

M. McDonnell, L. E. Braverman, J. Bernardo

Program Number 173 Thyroid Nodules and Goiter Friday Poster Clinical

How useful can be ultrasonography to distinguish follicular adenoma from follicular carcinoma?

K. Seidenberger, E. Tomimori, G. Medeiros-Neto, R. Camargo

Program Number 174 Thyroid Nodules and Goiter Friday Poster Clinical

The Clinical Presentation and Management of Non-Toxic Goiter

J. Lund, H. Twohig, V. Stevens, A. Weetman, B. Harrison, A. Allahabadia

3:30 – 5:00 PM

Simultaneous Symposia
Bayshore Salons ABC

Endocrine Grand Rounds: Funky Thyroid Function Tests

Moderator: Kenneth Burman

Panel: E. Chester Ridgway, Leonard Wartofsky, Cheryl Pickett

Supported in part by an unrestricted educational grant from Abbott Diagnostics Division

3:30 – 5:00 PM

Simultaneous Symposia
Stanley Park Ballroom

Thyroid Actions in the Heart

Moderator: Donald St. Germain

TR Isoform-Specific Effects on Cardiomyocyte Growth and Gene Program

Carlin Long

Biochemical and/or Physiologic Effects of TH on the Heart

Peter Backx

TR Mutants and the Heart

Fredric Wondisford

5:00 – 5:30 pm

Stanley Park Ballroom

Historical Vignette

5:30 – 6:45 pm

Stanley Park Ballroom

CME Symposium: T3 Therapy: Has its time come?

Moderator: Leonard Wartofsky

The role of T3 in the treatment of hypothyroidism

E. Chester Ridgway

The role of T3 in treatment of the euthyroid sick syndrome

Elaine Kaptein

The role of T3 in depression and mood modulation

James Hennessey

“Early Riser” CME Symposium and breakfast supported in part by an unrestricted educational grant from King Pharmaceuticals, Inc.

6:45 – 7:30 pm

Bayshore Salons DEF

Poster Review and Reception

Poster Review and Reception supported by an unrestricted educational grant from King Pharmaceuticals, Inc.

**76th Annual Meeting of the American Thyroid Association
Westin Bayshore Resort & Marina
Vancouver, BC, Canada
September 30 –October 3, 2004**

Saturday, October 2, 2004

- 6:00 – 6:30 am Stanley Park Foyer -- Breakfast
- 6:30 - 7:45 am Stanley Park Ballroom
CME Symposium: Maternal and Fetal Hypothyroidism
Moderator: Joanne Rovet
Detection and treatment of thyroid insufficiency in pregnancy Susan Mandel
Maternal Hypothyroxinemia and its Potential Maternal and Fetal-Neonatal
Repercussions Daniel Glinioer
What should the clinician do about thyroid screening in pregnancy? Recommendations
from the recent conferences on maternal and fetal thyroid health Gregory Brent
- “Early Riser” CME Symposium and breakfast supported in part by an unrestricted
educational grant from King Pharmaceuticals, Inc.*
- 8:00 – 8:45 am Bayshore Salons ABC
Paul Starr Award Lecture
*This annual Award recognizes an outstanding contributor to clinical thyroidology. The
Paul Starr Award is supported by the generosity of ATA member Boris Catz, MD, and in
part by an unrestricted educational grant from King Pharmaceuticals, Inc.*
- "Evolving Strategies in the Detection and Management of Thyroid Carcinoma:
Past and Future Perspectives"**
- Paul G. Walfish, CM, MD**
Professor of Medicine, Pediatrics and Otolaryngology
University of Toronto
Senior Consultant, Department of Medicine, Endocrine Division and
Head & Neck Oncology Program
Mount Sinai Hospital
Toronto, Ontario, Canada
- 8:45 – 10:00 am Bayshore Salons ABC
Short Call Abstract Presentations
Chairs: Rebecca Bahn and Bryan Haugen
A forum presenting the latest in thyroid-related research
- Saturday Poster
Session** Bayshore Salons EF
Poster Review and Refreshment Break
- 10:00 – 10:30 am **Posters 175 - 237**

Program Number 175 Autoimmunity Saturday Poster Clinical
The relative importance of genetic and environmental effects for the early stages of thyroid autoimmunity. A study of healthy Danish twins
 P. S. Hansen, T. H. Brix, I. Iachine, K. O. Kyvik, L. Hegedüs

Program Number 176 Autoimmunity Saturday Poster Clinical
Transmembrane microsatellite polymorphism of the MICA gene in thyroid autoimmunity
 M. Dittmar, T. Hoehler, M. Wurm, P. M. Schneider, M. Kanitz, G. J. Kahaly

Program Number 177 Autoimmunity Saturday Poster Clinical
An unusual case of hyperthyroxinemia in a patient with Hashimoto's thyroiditis
 M. R. Castro, D. W. Haser, J. C. Morris, G. G. Klee

Program Number 178 Autoimmunity Saturday Poster Basic
The effect of human recombinant TSH in the surge of TSH-receptor and anti-TPO autoantibodies in patients with multinodular goiter treated with a therapeutic dose of radioiodine
 I. G. S. Rubio, B. H. Perone, M. S. Cardia, M. N. C. Silva, M. Knoble, G. Medeiros-Neto

Program Number 179 Autoimmunity Saturday Poster Basic
Development of Transgenic Mice Expressing Human Thyrotropin Receptor in Thyroid and Orbital Adipose Tissues: Towards an Animal Model of Graves' Ophthalmopathy
 K. K. Bhattacharyya, M. J. Coenen, S. A. Henke, R. S. Bahn

Program Number 180 Autoimmunity Saturday Poster Basic
Identification of genes regulated by IFN γ and IL-1 β in thyroid epithelium cells
 S. H. Wang, J. M. Wolf, P. G. Gauger, G. M. Doherty, J. R. Baker, Jr.

Program Number 181 Autoimmunity Thursday Poster Basic
Human TSH Receptor (hTSH-R) and Proteins of both Yersinia Enterocolitica (YE) and Borrelia Burgdorferi (Bb) Share Not Only Amino Acid Sequence Homology but also HLA-DR3 and HLA-DR5 T Cell Epitope Binding Motifs
 S. Benvenga, F. Guarneri, C. Guarneri, M. Vaccaro, L. Santarpia

Program Number 182 Autoimmunity Saturday Poster Basic
Human Monoclonal Thyroglobulin Autoantibodies: Epitopes and Immunoglobulin Genes
 F. Latrofa, M. Phillips, B. Rapoport, S. M. McLachlan

Program Number 183 Cell Biology Saturday Poster Basic
VEGFR2 is expressed on human thyroid follicular cells and regulates secreted plasminogen activator activity and thyroid function
 R. Susarla, J. C. Watkinson, M. C. Eggo

Program Number 184 Cell Biology Saturday Poster Basic
AgNOR staining in differential diagnostics of follicular pattern thyroid lesions
 G. A. Turashvili, G. M

Program Number 185 Iodine Uptake and Metabolism Saturday Poster Clinical
Transcutaneous iodine absorption in adult patients with thyroid cancer disinfected with povidone-iodine at operation
 C. Tomoda, T. Uruno, Y. Takamura, Y. Ito, A. Miya, K. Kobayashi, F. Matsuzuka, N. Amino, K. Kuma, A. Miyauchi

Saturday, October 2, 2004

Program Number 186 Iodine Uptake and Metabolism Saturday Poster Clinical
Sequential 123I Uptakes Following the Administration of rh-TSH to Normal Volunteers
S. Pena, M. Cross, S. Arum, B. Magnani, E. N. Pearce, L. E. Braverman

Program Number 187 Iodine Uptake and Metabolism Saturday Poster Clinical
Iodine deficiency in pregnant women in Nice area
F. Brucker-Davis, S. Hiéronimus, P. Ferrari, A. Bongain, M. Durand-Reville, P. Fénelhel

Program Number 188 Iodine Uptake and Metabolism Saturday Poster Basic
Differences of Thyroid and Mammary Gland Responses to Dietary Excess and Uptake of Molecular Iodine and Iodide
P. Garcia-Solis, G. Delgado, B. Anguiano, C. Aceves

Program Number 189 Iodine Uptake and Metabolism Saturday Poster Basic
Protective Effect of Lugol's solution in 7,12-Dimethylbenz[a]anthracene (DMBA) Induced Rat Mammary Cancer
O. Soriano, B. Anguiano, C. Aceves

Program Number 190 Iodine Uptake and Metabolism Saturday Poster Basic
Biological Model for Perchlorate and the Thyroid Axis in Adult Humans
J. Fisher, D. Guth, J. Campbell

Program Number 191 Thyroid and Development Saturday Poster Clinical
Comparison of Thyroid Hormone Levels Measured by Immunoassay and Tandem Mass Spectrometry in Pregnant and Non-Pregnant Women
N. Janicic-Kahric, T. West, J. Jonklaas, O. P. Soldin, S. J. Soldin

Program Number 192 Thyroid and Development Saturday Poster Clinical
Oral reverse T3 (rT3) therapy (Rx) affects thyroid hormone economy of preterm human infants (PHI)
J. S. Dallas, D. V. Dallas, M. Prost

Program Number 193 Thyroid and Development Saturday Poster Clinical
Association between Maternal Thyroid Hormone Levels during Pregnancy and Child Neurodevelopment: a Longitudinal Study
J. Chevrier, B. Eskenazi, C. Johnson, E. A. Gladstone, A. Bradman

Program Number 194 Thyroid Cancer Saturday Poster Clinical
Clinico-pathological Analysis of Papillary Microcarcinoma of the Thyroid: A Twelve Year Experience at UMASS
S. George, S. Wagh, S. Marjorie, P. Nilima, Q. Robert, W. Giles, L. Anne, A. Khan

Program Number 195 Thyroid Cancer Saturday Poster Clinical
Rate of BRAF and NRAS mutations in thyroid nodules undergoing fine needle aspiration
Z. Baloch, M. S. Kumar, M. Lai, P. Volpe, V. A. LiVolsi, S. J. Mandel, M. S. Brose

Program Number 196 Thyroid Cancer Saturday Poster Clinical
Suggested cut-off value of serum thyroglobulin for further work-up in papillary thyroid carcinoma patients with negative diagnostic whole-body scanning
T. Y. Kim, W. B. Kim, J. S. Ryu, J. S. Yeo, G. Gong, H. K. Lee, S. C. Kim, S. J. Hong, Y. K. Shong

Program Number 197 Thyroid Cancer Saturday Poster Clinical

Recombinant human TSH is highly effective for low doses radioiodine postsurgical ablation in thyroid cancer when a short stop of L-T4 is done

D. Barbaro, P. Orsini, P. Lapi, C. Pasquini, G. Boni, G. Mariani

Program Number 198 Thyroid Cancer Saturday Poster Clinical

Can Papillary Thyroid Carcinoma Bilaterality Be Predicted?

H. Zalaznick, N. A. Massoll, R. S. Redman, E. L. Mazzaferri

Program Number 199 Thyroid Cancer Saturday Poster Clinical

Exacerbation of Graves' Infiltrative Ophthalmopathy after Administration of Recombinant Human TSH.

T. V. Bogsrud, T. Bjoro, T. Bach-Gansmo, M. Aas, I. Norheim, L. H. Jorgensen

Program Number 200 Thyroid Cancer Saturday Poster Clinical

The role of fine needle aspiration compared to frozen section in the management of different types of thyroid cancer

J. C. Furlan, Y. C. Bedard, I. B. Rosen

Program Number 201 Thyroid Cancer Saturday Poster Clinical

The role of lymph node sampling in the management of well-differentiated thyroid carcinomas

J. C. Furlan, Y. C. Bedard, I. B. Rosen

Program Number 202 Thyroid Cancer Saturday Poster Clinical

Clinical relevance of papillary thyroid carcinoma associated with non-insulin dependent diabetes mellitus

J. C. Furlan, Y. C. Bedard, I. B. Rosen

Program Number 203 Thyroid Cancer Saturday Poster Clinical

Favorable results of surgery for elder patients of age 70 years or older with papillary thyroid cancer

T. Uruno, A. Miyauchi, K. Shimizu, C. Tomoda, Y. Takamura, Y. Ito, A. Miya, K. Kobayashi, F. Matsuzuka, N. Amino, K. Kuma

Program Number 204 Thyroid Cancer Saturday Poster Clinical

Thyroid Cancer Surgical Volume and Recurrent Laryngeal Nerve Complications

P. I. Haigh, L. Paszat, T. To, L. Rotstein

Program Number 205 Thyroid Cancer Saturday Poster Clinical

Papillary thyroid's carcinoma: follow up in patients with total thyroidectomy

P. Grilli, C. D' Ercole, S. Fornari, A. Armenti, C. Luciani, G. Di Rocco, M. Vendettuoli, D. Vendettuoli

Program Number 206 Thyroid Cancer Saturday Poster Basic

Enhanced IL-18 expression in papillary thyroid carcinomas

Y. Takiyama, N. Miyokawa, K. Ito, K. Sato, M. Tateno, M. Haneda

Program Number 207 Thyroid Cancer Saturday Poster Basic

Expression Pattern of Apoptosis-Related Genes in Thyroid Cancer Cell Lines

W. Y. Chung, M. G. Wong, W. Shen, K. Electron, Q. Y. Duh, O. H. Clark

Program Number 208 Thyroid Cancer Saturday Poster Basic

BRAF Mutations are Less Common in Childhood Papillary Thyroid Cancer (PTC) than in adult PTC

K. S. Penko, J. Livezey, C. L. Fenton, A. Patel, D. Nicholson, M. Flores, K. Oakley, R. M. Tuttle, G. L. Francis

Program Number 209 Thyroid Cancer Saturday Poster Basic

γ -Ray-Induced Alterations in Gene Expression Profiles in PRC-CMV (Normal) and RET-PTC-3 (Oncogene) Expressing Rat Thyroid FRTL-5 Cell Line Utilizing cDNA Expression Array

Y. Vaishnav, I. Robbins, J. Anderson, M. Ringel, M. Saji, M. Vahey, H. Burch, V. Bernet

Program Number 210 Thyroid Cancer Saturday Poster Basic

Dual Tyrosine Kinase Inhibition in the Control of Medullary Thyroid Cancer

A. P. B. Dackiw, P. Huang, S. Ezzat, S. Asa

Program Number 211 Thyroid Diseases Saturday Poster Clinical

Thyroxine versus Thyroxine plus Triiodothyronine in Patients with Hypothyroidism: Results of a Double-Blind, Crossover, Randomized Trial

G. A. Carvalho, J. Kaminski, F. Y. Miasaki, H. E. Ramos, H. Graf

Program Number 212 Thyroid Diseases Saturday Poster Clinical

Central and Carotid Arterial Stiffness in Subclinical Hypothyroidism (SCH)

J. H. Lazarus, P. J. Owen, J. Swampillai, F. Rakebrandt, A. G. Fraser

Program Number 213 Thyroid Diseases Saturday Poster Clinical

Use of recombinant human thyrotropin in the diagnosis of central hypothyroidism

H. Filipsson, E. Nystrom, L. E. Ericson, G. Johannsson

Program Number 214 Thyroid Diseases Saturday Poster Clinical

The use of rhTSH associated with I131 in the treatment of type 1 thyrotoxicosis induced by amiodarone

C. Albino, A. Gaviolli, H. Graf

Program Number 215 Thyroid Diseases Saturday Poster Clinical

Thyrotropin Assay Interference by Human Anti-Murine Antibodies

C. Borger, L. W. Greene, M. Lifshitz

Program Number 216 Thyroid Diseases Saturday Poster Clinical

Surgical Treatment of Acute Suppurative Pasturella Thyroiditis associated with Thyrotoxicosis--a case report and review

S. A. McLaughlin, S. L. Smith

Program Number 217 Thyroid Diseases Saturday Poster Clinical

Thyrotoxic Graves' Disease Following Interferon Associated Hypothyroidism

N. Kaloudis, K. H. Hupart

Program Number 218 Thyroid Diseases Saturday Poster Clinical

Periodic Palsy in Boy with Graves Disease

A. V. Kurtev, G. V. Mladenova

Program Number 219 Thyroid Diseases Saturday Poster Basic

Mutation analysis of TPO gene mutations in brazilian congenital goiter patients with total and partial iodide organification defect: identification of six novel mutations

I. G. S. Rubio, M. Knobel, S. C. Neves, M. S. Monteiro, V. L. Pardo, A. L. Galrão, V. Dias, M. Viana, A. J. Chagas, G. Medeiros-Neto

Program Number 220 Thyroid Diseases Saturday Poster Basic

Radium Deposits in Thyroid Glands

L. Van Middlesworth, S. A. Ibrahim, C. R. Handorf, S. L. Simon

- Program Number 221 Thyroid Hormone Action Saturday Poster Clinical
A New Strategy for Design of Thyroid Hormone Antagonists
B. Carlsson, T. Appelqvist, Å. Hedfors, M. Grynfarb, K. Koehler, J. Malm
- Program Number 222 Thyroid Hormone Action Saturday Poster Basic
Thyroid Hormone Responsive Genes in Cultured Human Skin Fibroblasts
L. C. Moeller, A. M. Dumitrescu, P. S. Meltzer, S. Refetoff
- Program Number 223 Thyroid Hormone Action Saturday Poster Basic
Negatively Regulate the Proliferation of Human Hepatoma Cell lines by Thyroid Hormones
K. H. Lin, C. C. Yen, Y. H. Huang
- Program Number 224 Thyroid Hormone Action Saturday Poster Basic
Thyroid Hormone Activates MAPK in Glial Cells and Induces Cell Proliferation
R. L. Hopkins, H. Y. Lin, H. Y. Tang, F. B. Davis, P. J. Davis
- Program Number 225 Thyroid Hormone Action Saturday Poster Basic
Ligand-Induced Decrease in Thyroid Hormone Receptors in Cardiomyocytes is Mediated by Altering mRNA Stability
K. Ojamaa, A. Kenessey
- Program Number 226 Thyroid Hormone Metabolism Saturday Poster Clinical
Leptin Regulation of the Thyroids: Negative Regulation on Thyroid Hormone Levels in Euthyroid Subjects and Inhibitory Effects on Iodide Uptake and Na⁺/I⁻ Symporter
O. Isozaki, Y. Nozoe, A. Yoshihara, C. Harada, T. Tsushima, K. Takano
- Program Number 227 Thyroid Hormone Metabolism Saturday Poster Clinical
Trends and Associations of T4, T3, FT4, TSH and Thyroglobulin Concentrations During Gestation and in Non-Pregnant Women of Reproductive Age
O. P. Soldin, R. E. Tractenberg, J. G. Hollowell, J. Jonklaas, N. Janicic-Kahric, S. J. Soldin
- Program Number 228 Thyroid Hormone Metabolism Saturday Poster Basic
Thyroxine Binding Globulin Clearance Accelerates During Pregnancy
J. K. Park, S. E. Fisher, G. C. Schussler
- Program Number 229 Thyroid Hormone Metabolism Saturday Poster Basic
Two novel mutations in the DUOX-2 gene in siblings with partial organification defect and congenital goiter with hypothyroidism
I. G. S. Rubio, M. Knobel, V. Pardo, S. C. Neves, M. S. Monteiro, G. Medeiros-Neto
- Program Number 230 Thyroid Imaging Saturday Poster Clinical
Cervical spine metastasis mimicking the appearance of thyroid bed uptake in a patient with follicular thyroid carcinoma
M. A. Habra, R. Vassilopoulou-Sellin
- Program Number 231 Thyroid Nodules and Goiter Saturday Poster Clinical
TSH level as well as gender, age and goiter type predict risk of neoplasia and malignancy in 1500 patients investigated by fine needle aspiration biopsy (FNAB)
K. Boelaert, J. Horacek, R. L. Holder, M. C. Sheppard, J. A. Franklyn
- Program Number 232 Thyroid Nodules and Goiter Saturday Poster Clinical

Percutaneous Ethanol Injection Treatment in Benign Thyroid Nodules: Clinical and Cytological Reevaluation

G. A. Carvalho, G. C. Schruft, T. C. Cavalcanti, H. Graf

Program Number 233 Thyroid Nodules and Goiter Saturday Poster Clinical

Euthyroid patients with insuline-resistance have an increased thyroid volume and higher prevalence of ultrasound-detected nodules

J. Rezzonico, M. Rezzonico, E. Pusiol, N. Bossa, S. Brienza, H. Niepomniszcze

Program Number 234 Thyroid Nodules and Goiter Saturday Poster Clinical

A Prophylactic Injection of Calcium Solution Prevents Tetany in Patients after Total Thyroidectomy : A Prospective Clinical Study

T. Uruno, A. Miyauchi, K. Shimizu, C. Tomoda, Y. Takamura, Y. Ito, A. Miya, K. Kobayashi, F. Matsuzuka, N. Amino, K. Kuma

Program Number 235 Thyroid Nodules and Goiter Saturday Poster Clinical

Goiter Prevalence and Urinary Iodine Values in Schoolchildren from Gorgan, Iran after 10 Years of National Iodine Supplementation

H. R. Bazrafshan, S. Mohammadian, A. Ordoorkhani, E. N. Pearce, N. Abdolahi, F. Farhidmehr, M. Hedayati, F. Azizi, L. E. Braverman

Program Number 236 Thyroid Nodules and Goiter Saturday Poster Clinical

Comparative Analysis of the cytological findings of US guided FNAB in palpable and non- palpable thyroid nodules

C. M. Senise

Program Number 237 Thyroid Nodules and Goiter Saturday Poster Basic

Environmental risk factors for feline hyperthyroidism: Pet cats as potential sentinels for public health

C. H. Edinboro, J. C. Scott-Moncrieff, L. T. Glickman

10:30 am – 12 noon Bayshore Salons ABC
Translational Symposia

Environmental Toxicology and Thyroid Disease

Moderator: David Cooper

Effects of Environmental Synthetic Chemicals on Thyroid Function

Francoise Brucker-Davis

Thyroid Disruptors, Brain Development, and the Environment Thomas Zoeller

Perchlorate Contamination and Thyroid Function Steven Lamm

Saturday Poster Session Bayshore Salons DEF
Poster Review

Investigators available to discuss their posters

Noon – 1:30 pm

1:30 – 3:00 pm Simultaneous Sessions

Bayshore Salons ABC
Thyroid Autoimmunity
Clinical Oral Abstracts

Chairs: Elizabeth Pearce and Wilmar Wiersinga

Program Number 238 Thyroid Nodules and Goiter Saturday Oral Clinical 1:30 PM
The predictive value of fine needle aspiration cytology from the dominant (largest) thyroid nodule in a multinodular goiter

E. Kunreuther, J. Orcutt, C. B. Benson, M. C. Frates, P. M. Doubilet, E. S. Cibas, F. D. Moore, P. R. Larsen, E. Marqusee, E. K. Alexander

Program Number 239 Thyroid Nodules and Goiter Saturday Oral Clinical 1:45 PM
Treatment of Multinodular Goiter with Low 131-I Doses Stimulated by Recombinant Human TSH: Comparison between Two Protocols

H. Graf, G. Paz, C. O. Mesa, G. A. Carvalho, C. Albino, M. Olandoski, L. C. Woellner, C. Goedert

Program Number 240 Thyroid Nodules and Goiter Saturday Oral Clinical 2:00 PM
Focal High Uptake in the Thyroid Gland as an Incidental Finding in ¹⁸F-FDG PET

T. V. Bogsrud, D. Karantanis, M. A. Nathan, B. P. Mullan, J. Kasperbauer, S. Strome, C. Reading, V. J. Lowe

Program Number 241 Thyroid Imaging Saturday Oral Clinical 2:15 PM
The Impact of Office Neck Ultrasonography on Reducing Unnecessary Thyroid Surgery in Patients Undergoing Parathyroidectomy

M. Milas, M. Alghoul, E. Berber, A. Stephen, A. Mensah, A. Siperstein, C. Weber

Program Number 242 Thyroid Hormone Metabolism Saturday Oral Clinical 2:30 PM
On the mechanism producing the unusual thyroid phenotype in defects of the MCT8 gene

A. M. Dumitrescu, X. H. Liao, J. Lado-Abeal, L. C. Moeller, K. Brockmann, S. Refetoff

Program Number 243 Thyroid Hormone Action Saturday Oral Clinical 2:45 PM
Functional Analysis of Missense Mutations in the MCT8 T3 Transporter in Boys with Severe Psychomotor Retardation

E. C. Friesema, A. Grueters, T. G. Barrett, G. G. Kuiper, T. J. Visser

1:30 – 3:00 pm Simultaneous Sessions

Stanley Park Ballroom
Thyroid and Development / Thyroid Diseases / Iodine Uptake and Metabolism
Basic Oral Abstracts

Chairs: Antonio Bianco and Joshua Safer

Program Number 244 Thyroid Diseases Saturday Oral Basic 1:30 PM
Regression mapping of the HLA association with Graves' disease

M. J. Simmonds, J. M. Heward, J. M. M. Howson, H. J. Cordell, H. Foxall, J. Carr-Smith, S. M. Gibson, N. Walker, Y. Tomer, J. A. Franklyn, J. A. Todd, S. C. L. Gough

Program Number 245 Thyroid Diseases Saturday Oral Basic 1:45 PM
A Genome-wide Screen in 1119 Relative Pairs with Autoimmune Thyroid Disease: Evidence for Distinct Susceptibility Loci in Graves' Disease and Hashimoto's Thyroiditis

Saturday, October 2, 2004

J. C. Taylor, S. Gough, P. Hunt, T. Brix, K. Chatterjee, J. Connell, J. Franklyn, L. Hegedus, B. Robinson, W. Wiersinga, J. Wass, D. Zabaneh, I. Mackay, T. Weetman

Program Number 246 Thyroid and Development Saturday Oral Basic 2:00 PM

Thyroid hormone regulates organic anion transporter 1c1 expression in the developing rat brain

G. Anderson, L.R. Drewes, M. J. Stack, J. Metkowski, C. Mariash

Program Number 247 Iodine Uptake and Metabolism Saturday Oral Basic 2:15 PM

Stimulation of retinoic acid-induced sodium iodide symporter expression and cytotoxicity of 131-I in breast cancer cells by dexamethasone

S. Unterholzner, N. Cengic, B. Goeke, J. C. Morris, C. Spitzweg

Program Number 248 Iodine Uptake and Metabolism Saturday Oral Basic 2:30 PM

In Vivo Expression of the Sodium Iodide Symporter (NIS) in Ovarian Tumor Xenografts Following Adenoviral Infection

R. M. Dwyer, E. R. Bergert, M. K. O'Connor, S. R. Gendler, J. C. Morris

Program Number 249 Iodine Uptake and Metabolism Saturday Oral Basic 2:45 PM

Radioiodine Therapy of Adrenocortical Cancer Following Acth-Receptor-Promotor-Driven Expression of the Sodium Iodide Symporter

N. Cengic, M. Schutz, C. Leistner, S. Unterholzner, M. Hirschmann, B. Goeke, F. Beuschlein, J. C. Morris, C. Spitzweg

3:00 – 3:30 pm Bayshore Salons EF
Poster Review and Break

3:30 – 5:00 pm Simultaneous Symposia
Bayshore Salons ABC

Iodine Nutrition and the Thyroid
Dedicated to the memory of John Dunn

Moderator: Lewis Braverman

Assessing Iodine Status and Monitoring Progress of Iodized Salt Programs: An Update
Michael Zimmermann

Current Iodine Nutritional Status in the United States Elizabeth Pearce

Effects of Iodine Intake on Autoimmune and Neoplastic Thyroid Disease

Peter Laurberg

3:30 – 5:00 pm Simultaneous Symposia
Stanley Park Ballroom

Thyroid Hormone Analogues

Moderator: Antonio C. Bianco

STRMs (Selective Thyroid Receptor Modulators) in the Treatment of Obesity

Johan Malm

Effects of the TR β -selective agonist, GC-1, in the brain Juan Bernal

TH Analogues that Act via Non-Genomic Mechanisms and Counteract Nuclear TH Effects

Thomas Scanlan

5:00 – 5:45 PM

Stanley Park Ballroom
Abbott State of the Art

Systems Biology
Roger Brent, PhD

Adjunct Professor of Biopharmaceutical Sciences
University of California, San Francisco
Director and President
Molecular Sciences Institute
Berkeley, CA

Supported in part by an unrestricted educational grant from Abbott Laboratories

7:30 to 11:00 pm

Bayshore Salons DEF

ATA Annual Gala

Advance purchase required; admission by ticket only

Presentation of ATA Distinguished Service Award

This Award recognizes an ATA member who has made important and continuing contributions to the Association.

Awardee for 2004: John T. Nicoloff, MD

Presentation of Thyroid Pathophysiology Medal

This Award recognizes outstanding research contributions to the understanding of thyroid physiology or the pathophysiology of thyroid disease. The significance of these contributions will be evidenced by their major impact on subsequent research or clinical practice related to thyroid disorders.

Awardee for 2004: P. Reed Larsen, MD

Sunday, October 3, 2004

8:00 – 8:30 am Stanley Park Foyer – Breakfast

Breakfast supported by an unrestricted educational grant from King Pharmaceuticals, Inc.

8:30 – 10:00 am Stanley Park Ballroom

Difficult diagnostic and management issues – a case based approach

Moderator: Michael McDermott

Participants: Paul Ladenson, Carol Greenlee, Leonidas Duntas

10:00 am 76th Annual Meeting Ends

