ATA Schedule of the Full Program

   Wednesday, October 29, 2014
   Thursday, October 30, 2014
   Friday, October 31, 2014
   Saturday, November 1, 2014
   Sunday, November 2, 2014
84th Annual Meeting of the American Thyroid Association
Wednesday, October 29, 2014

8:00 a.m. – 4:00 p.m.
Empress Hall, Grande Hall Building
E. Chester Ridgway (Ridgway) Trainee Conference
(Pre-registration required; full agenda available in trainees section of program book)

The ATA Trainee Conference is named to memorialize Dr. E. Chester “Chip” Ridgway, for his large contributions to the field of thyroidology, his great devotion to education of fellows over many years, and especially to continue honoring his creation and establishment of a full day seminar led by thyroid experts teaching the full breadth of thyroid-related endocrine subjects that is now expanded to include the ATA trainees track throughout the annual meeting. This fund, supported by colleagues, fellows and friends of Dr. E. Chester Ridgway is to be of continuing support to the ATA Ridgway Trainee Conference.

7:00 a.m. – 5:00 p.m.
Regent Hall, Grande Hall Building
ATA/AACE Endocrine Neck Ultrasound Workshop and Practicum (Satellite program, separate registration required)

8:30 a.m. – 2:00 p.m.
Garden Room, Victorian Building
ATA Board of Directors’ Meeting

2:00 p.m. – 8:30 p.m.
Windsor Complex, Victoria Building
Registration Open

5:30 p.m. – 5:45 p.m.
Crown Room, Victorian Building
Welcome to the 84th Annual Meeting of the ATA
Hossein Gharib, ATA President
John C. Morris, ATA Secretary/COO
R. Michael Tuttle, ATA Program Committee Co-Chair
Fredric E. Wondisford, ATA Program Committee Co-Chair

5:45 p.m. – 7:30 p.m.
Crown Room, Victorian Building
Opening Session: Recent Developments and Future Challenges in Thyroidology
Chairs: R. Michael Tuttle and Fredric E. Wondisford

Basic Review
Peter A. Kopp
Clinical Endocrine Review
Douglas S. Ross
Surgical Review
Herbert Chen

7:30 p.m. – 9:00 p.m.
Windsor Lawn
ATA Welcome Reception
(Meeting registration/badge required for entry)
Join us for a relaxed time with old friends and a chance to greet new ATA members.
(Note: ATA Exhibit Hall is the inclement weather alternate location)

8:30 p.m. – 9:30 p.m.
Sun Deck
ATA Trainees’ Welcome Reception
(Open to all trainees; meeting registration/badge required for entry)
84th Annual Meeting of the American Thyroid Association
Thursday, October 30, 2014

6:30 a.m. – 5:30 p.m. Registration Open
Windsor Complex, Victorian Building

6:30 a.m. – 7:30 a.m. Early Riser Symposium Continental Breakfast
Carousel Room, Victorian Building

6:45 a.m. – 8:00 a.m. Early Riser Symposium: Medullary Thyroid Cancer
Crown Room, Victorian Building
Chair: Jennifer A. Sipos
Prophylactic Thyroidectomy in MEN2: When and Why? Steven G. Waguespack
Management of Persistent/Recurrent Disease in the Neck Jeffrey F. Moley
Management of Persistent/Recurrent Disease in Distant Sites Manisha H. Shah

8:05 a.m. – 8:10 a.m. Welcome and Announcements
Crown Room, Victorian Building
Hossein Gharib, John C. Morris, R. Michael Tuttle and Fredric E. Wondisford

8:10 a.m. – 8:55 a.m. Plenary Lecture: Clinical, Ethical and Legal Implications of Incidental Germ Line Findings Discovered as Part of Sequencing Studies
Crown Room, Victorian Building
Introduction: R. Michael Tuttle
Mark E. Robson

9:00 a.m. – 10:00 a.m. Highlighted Oral Abstract Session (4 total)
Crown Room, Victorian Building
Chairs: R. Michael Tuttle and Fredric E. Wondisford

Highlighted Oral, Autoimmunity, Clinical
DOUBLE VISION IS THE MOST COMMON INDICATION FOR THERAPY IN MODERATE TO SEVERE GRAVES’ ORBITOPATHY BUT IT CORRELATES NEGATIVELY WITH INFLAMMATORY SIGNS AND PROPTOSIS. A SINGLE CENTER PROSPECTIVE COHORT STUDY (N=215) WITH OBJECTIVE QUANTITATION OF DIPLOPIA
P. Laurberg, D.C. Berman, I.B. Pedersen, S. Andersen, A. Carlé

Highlighted Oral 2, Autoimmunity, Translational
CRYSTAL STRUCTURE OF A TSH RECEPTOR MONOCLONAL ANTIBODY PROVIDES EVIDENCE THAT A TRIMER OF THE SHED RECEPTOR A-SUBUNIT IS THE CRITICAL IMMUNOGEN IN GRAVES’ DISEASE
C.R. Chen, P. Hubbard, S.M. McLachlan, R. Murali, B. Rapoport

Highlighted Oral 3, Autoimmunity, Translational
DEVELOPMENT OF A UNIQUE MOUSE MODEL FOR GRAVES’ DISEASE THAT SPONTANEOUSLY DEVELOPS PATHOGENIC TSH RECEPTOR ANTIBODIES
S.M. McLachlan, H. Aliesky, B. Banuelos, B. Rapoport

Highlighted Oral 4, Thyroid & Development, Basic
DIFFERENTIATION OF HUMAN EMBRYONIC STEM (HES) CELLS INTO THYROID CELLS
R. Ma, R. Latif, T.F. Davies

9:00 a.m. – 10:30 a.m. Ridgway Trainee Conference: Case Discussions–Thyroid Nodules (Open to all trainees; cases submitted by trainees for discussion)
Empress Hall, Grande Hall Building
Erik K. Alexander
Stephanie L. Lee

10:00 a.m. – 4:30 p.m. Exhibit Hall Open
Ballroom & Coronet, Victorian Bldg.
10:00 a.m. – 11:00 a.m.  
**Poster Review Session and Break in the Exhibit Hall**  
Ballroom & Coronet, Victorian Bldg.

**Poster 17**  
*Autoimmunity  Basic*
**Dissecting the Role of the FOXP3 Gene in the Joint Genetic Susceptibility to Autoimmune Thyroiditis and Diabetes**  
C. Li, E. Concepcion, Y. Tomer

**Poster 18**  
*Autoimmunity  Clinical*
**Serum Vitamin D3 Level in Patients with Autoimmune Thyroid Diseases**  
G. Chen, P. Chen, S. Xu, X. Mao, C. Liu

**Poster 19**  
*Autoimmunity  Clinical*
**Hashimoto's Thyroiditis and Vitamin D Insufficiency: Study of Prevalence and Relationship with Thyroid Autoimmunity Markers**  
I.M. Botelho, A. Moura Neto, C. Aparecida da Silva, S. Monte Alegre, D.E. zantut-Wittmann

**Poster 20**  
*Autoimmunity  Clinical*
**Recurrent Hyper- and Hypothyroidism Over a Period of 5 Years**  
D. Bellabarba, N. van Rossum

**Poster 21**  
*Thyroid Cancer  Case Report*
**An Unusual Case of Ovarian Radioiodine Uptake in a Mature Teratoma Without Thyroid Tissue**  
N. van Rossum, D. Bellabarba

**Poster 22**  
*Autoimmunity  Translational*
**Thyroid Stimulating but Not Blocking Autoantibodies Are Highly Prevalent in Active/Severe Thyroid-Associated Orbitopathy - A Prospective Study**  
E. Kampmann, T. Diana, M. Kanitz, G.J. Kahaly

**Poster 23**  
*Disorders of Thyroid Function  Basic*
**Alpha Lipoic Acid Attenuates Radiation-Induced Thyroid Injury in Rats**  
J. Jung, S. Woo, J. Kim, K. Kang, B. Jeong, J. Hahm, S. Kim

**Poster 24**  
*Disorders of Thyroid Function  Clinical*
**Benefit of Iodine Therapy for the Treatment of Graves' Disease During the First Trimester of Pregnancy**  

**Poster 25**  
*Disorders of Thyroid Function  Clinical*
**Why Measure Free T4? TSH Alone Is Sufficient to Diagnose and Manage Primary Hyper- and Hypothyroidism**  
J. Ehrenkranz, A. Schneider, P. Bach

**Poster 26**  
*Disorders of Thyroid Function  Clinical*
**Quality of Life (QOL) in Graves' Disease (GD) Patients: A Comparative Study of Patients Referred for Surgery and Radioiodine Therapy**  

**Poster 27**  
*Disorders of Thyroid Function  Clinical*
**Thyroid Function and Metabolic Syndrome in Obese and Overweight Patients: A Cross-Sectional Study**  
S. Kommareddy, S.Y. Lee, L.E. Braverman, E.N. Pearce

**Poster 28**  
*Disorders of Thyroid Function  Clinical*
**Oral Liquid Thyroxine Assumed at Breakfast: Preliminary Results of the TICO Study**  
C. Cappelli, I. Pirola, L. Daffini, E. Gandossi, M. Castellano
Poster 29  
**Disorders of Thyroid Function**  
**Clinical**

**EVALUATION OF THE APPROPRIATE USE AND SAFETY OF INTRAVENOUS LEVOTHYROXINE AT AN ACADEMIC MEDICAL CENTER**

K. Mizokami-Stout, P.M. Reynolds, G. Barber, L.K. Golightly, M. McDermott

Poster 30  
**Disorders of Thyroid Function**  
**Clinical**

**ASSESSMENT FOR CONCOMITANT THYROID NODULES AND PRIMARY HYPERPARATHYROIDISM IN PATIENTS UNDERGOING PARA THYROIDECTOMY OR THYROIDECTOMY**


Poster 31  
Withdrawn

Poster 32  
Withdrawn

Poster 33  
**Thyroid & Development**  
**Clinical**

**INVESTIGATION OF THE RECURRENT LARYNGEAL NERVE AFTER TRACTION INJURY WITH CONTINUOUS INTRAOPERATIVE NEUROMONITORING IN THYROIDECTOMY: A SWINE MODEL**

H. Kim, H. Kwak, H. Lee, S. Jung, G. Son, J. Lee, J. Bae

Poster 34  
**Thyroid Cancer**  
**Basic**

**GENETIC EXPRESSIONS ALTERATION AFFECTS ON LATERAL NECK NODE METASTASIS OF THYROID PAPILLARY MICROCARCINOMA**

S. Lee, Y. Jeon, Y. Suh, J. Bae, W. Chung

Poster 35  
**Thyroid Cancer**  
**Basic**

**AUTOPIHAGY IS IMPLICATED IN MEDULLARY THYROID CANCER CELLS RESPONSE TO TREATMENT WITH NELFINAVIR**


Poster 36  
**Thyroid Cancer**  
**Basic**

**THE ROLE OF NOTCH3 IN THYROID CANCER**

Y. Somnay, X. Yu, S. Miyamoto, H. Chen

Poster 37  
**Thyroid Cancer**  
**Basic**

**ACUTE EFFECTS OF ULTRASONIC SHEARS AND MONOPOLAR ELECTROSURGERY ON SCIATIC NERVE ELECTROPHYSIOLOGY**


Poster 38  
**Thyroid Cancer**  
**Basic**

**EXPRESSION OF LAMININ-5 IN PAPILLARY THYROID CARCINOMA ; AS A BIOMARKER OF LYMPH NODE METASTASIS**

S. HONG, S. Baek, J. Woo, J. Cho, K. Jung, S. Kwon

Poster 39  
**Thyroid Cancer**  
**Clinical**

**PERFORMANCE OF THE AFIRMA® GENE EXPRESSION CLASSIFIER ON INDETERMINATE THYROID FINE NEEDLE ASPIRATES (FNAS) FROM LARGE NODULES**

J.R. Mize, R.J. Monroe

Poster 40  
**Thyroid Cancer**  
**Clinical**

**GREATER UNDERSTANDING OF ANTI-THYROGLOBULIN (TG) ANTIBODY INTERFERENCE IN TG IMMUNOASSAYS: A SYSTEMATIC EVALUATION OF SIX TG IMMUNOASSAYS AGAINST A TG MASS SPECTROMETRY ASSAY**


Poster 41  
**Thyroid Cancer**  
**Clinical**

**UTILITY OF RADIOACTIVE IODINE IN THE TREATMENT OF WELL DIFFERENTIATED THYROID CANCER: ANALYSIS OF 85,740 PATIENTS**


Poster 42  
**Thyroid Cancer**  
**Clinical**

**AN ANALYSIS OF AGE AND DISEASE STATUS AS PREDICTORS OF THYROID CANCER-SPECIFIC MORTALITY USING THE SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) DATABASE**

Poster 43  
Thyroid Cancer  Clinical  
LOW-DOSE RADIOIODINE ABLATION IN DIFFERENTIATED THYROID CANCER WITH MACROSCOPIC EXTRA-THYROIDAL EXTENSION AND LOW LEVEL OF PREABLATIVE STIMULATED THYROGLOBULIN: ABLATION EFFICACY AND ONE-YEAR FOLLOW UP  
Y. Zhang, Y. Lin, J. Liang

Poster 44  
Thyroid Cancer  Clinical  
BRAF^{V600E} MUTATION ASSOCIATED WITH NON-RADIOIODINE-AVID STATUS IN DISTANT METASTATIC PAPILLARY THYROID CARCINOMA  
K. Yang, Y. Lin, Z. Liang

Poster 45  
Thyroid Cancer  Clinical  
CLINICAL APPLICATION OF RECURRENT LARYNGEAL NERVE PROTECTION AND MONITORING DURING THYROIDECTOMY  
X. Liu, Q. Fu, T. Wang, Y. Zhao, H. Sun

Poster 46  
Thyroid Cancer  Clinical  
FREQUENT VISUALIZATION OF THYROGLOSSAL DUCT REMNANT ON POST-ABLATION 131I RADIONUCLIDE IMAGES IN PATIENTS WITH TOTAL THYROIDECTOMY FOR DIFFERENTIATED THYROID CARCINOMA BY 131I-SPECT/CT  

Poster 47  
Thyroid Cancer  Clinical  
RELATIONSHIP BETWEEN ACTUAL I-131 RETENTION AND THE SUCCESS RATE OF I-131 ABLATION IN DIFFERENTIATED THYROID CARCINOMA  
M.H. Sayed, B.M. Aljuneidi, M.A. Yasir

Poster 48  
Thyroid Cancer  Clinical  
USEFULNESS OF COMBINED THERAPY WITH 131I AND LITHIUM IN PATIENTS WITH METASTATIC RADIOIODINE-REFRACTORY THYROID CANCER  
I. Lim, J. Park, H. Kim, B. Byun, B. Kim, C. Choi, S. Lim

Poster 49  
Thyroid Cancer  Clinical  
Efficacy of thyroglobulin washout as an adjunct to fine needle aspiration cytology in diagnosing recurrent papillary thyroid cancer  
A. Deniwar, H. Mohamed, A. Khan, T. Thethi, A. Sholl, E. Kandil

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Withdrawn

Poster 51  
Thyroid Cancer  Clinical  
SATISFACTION WITH DECISIONS ON RADIOACTIVE IODINE USE IN LOW RISK PAPILLARY THYROID CANCER SURVIVORS  
A. Sawka, S. Straus, G. Rodin, J. Brierley, R.W. Tsang, L. Rotstein, S. Ezzat, D. Goldstein

Poster 52  
Thyroid Cancer  Clinical  
BILATERALITY IN PAPILLARY THYROID CARCINOMA: AN UPDATE WITH MORE THAN 2,000 CONSECUTIVE PATIENTS FROM A SINGLE INSTITUTE  
W. Wang, Y. Zhao, L. Teng, T. Fahey

Poster 53  
Thyroid Cancer  Clinical  
COMPARING EFFICACY OF ELASTOGRAPHY AND ULTRASOUND IN DETERMINATION OF BENIGN AND MALIGNANT THYROID NODULES: A POOLED ANALYSIS  

Poster 54  
Thyroid Cancer  Clinical  
CORRELATION BETWEEN NECK ULTRASONOGRAPHIC FINDINGS AND CLINICO-PATHOLOGICAL FEATURES IN FOLLICULAR VARIANT OF PAPILLARY THYROID CARCINOMA  
E. Jang, W. Kim, J. Baek, J. Lee, T. Kim, Y. Shong, D. Song, W. Kim

Poster 55  
Thyroid Cancer  Clinical  
TREATMENT PATTERNS IN ANAPLASTIC THYROID CANCER  
STAGING THE CENTRAL NECK FOR PAPILLARY THYROID CANCER: PREDICTORS OF RECURRENCE

RECENT RISE IN THYROID CANCER INCIDENCE RELATED TO DISCOVERY OF A RESERVOIR OF PREVIOUSLY UNRECOGNIZED SUBCLINICAL DISEASE: A POPULATION-BASED STUDY IN OLMSTED COUNTY, MINNESOTA DURING 1990 THROUGH 2012

IMPACT OF A CALCIUM MANAGEMENT PROTOCOL ON RE-ADMISSIONS DUE TO POST THYROIDECTOMY HYPOCALCEMIA
K. Desai, A. Chindris, V. Bernet, R.C. Smallridge, G. Young, J. Casler

IS THE PROPHYLACTIC LATERAL NECK DISSECTION SUITABLE FOR PTMC ?
L. Zhang, Q. Shen, N. Qu, Q. Ji

RISK FACTORS FOR CENTRAL COMPARTMENT LYMPH NODE METASTASIS IN PAPILLARY THYROID MICROCARCINOMA
L. Zhang, N. Qu, Q. Ji

ULTRASONOGRAPHIC TUMOR RATIO IS A SIGNIFICANT PREDICTOR FOR GROWTH PATTERNS OF TUMOR IN PATIENTS WITH PAPILLARY THYROID CARCINOMA
Y.S. Lim, S. Kim, S. Choi, E. Kim

SURGICAL OUTCOMES OF EXTREMELY OLD PATIENTS WITH PAPILLARY THYROID CARCINOMA: A RETROSPECTIVE SINGLE INSTITUTION STUDY

GENETIC VARIABILITY IN 43 PEDIATRIC THYROID CANCER CASES AND CORRELATION WITH THEIR CLINICAL PRESENTATION UP TO 6 MONTHS POST-DIAGNOSIS

CANCER RISK AND CLINICOPATHOLOGICAL CORRELATIONS IN THYROID NODULES HARBORING TSH RECEPTOR MUTATIONS
S. Mon, S. Hodak, M. Nikiforova, S.O. LeBeau, Y. Nikiforov

POST DIAGNOSIS IMAGING IN THYROID CANCER
J.L. Wiebel, M. Banerjee, D. Muenz, F. Worden, M. Haymart

INFLUENCE OF NITRATE IN OPEN WELL WATER ON THE PREVALENCE OF CHILDHOOD THYROID CANCER IN BELARUS AFTER THE CHERNOBYL ACCIDENT

IMPROVING HEALTH CARE FOR THYROID CANCER PATIENTS - A PATIENT PARTNERSHIP APPROACH
L. Salgado, J.T. Martineau, C. Derval, D. Lambert, G. Rondeau, S. Rochefort, J. Bérubé, L. Bédard, A. Mercier, A. Boucher

THE INFLUENCE OF BODY TYPE ON OPERATIVE OUTCOMES OF BILATERAL AXILLO-BREAST APPROACH ROBOTIC TOTAL THYROIDECTOMY IN PAPILLARY THYROID CARCINOMA PATIENTS
L. Heeseung, K. Lee, J. Choi
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CLINICOPATHOLOGICAL FEATURES AND PROGNOSIS OF PAPILLARY THYROID CANCER: EXPERIENCE FROM A SINGLE INSTITUTION FOR 15 YEARS  
H. Wang, W. Wang, H. Wang, Z. Ma, L. Teng

Poster 70  **Thyroid Cancer**  Clinical  
ASSOCIATION BETHESDA CATEGORIES AND POOR CLINICAL AND PATHOLOGICAL PROGNOSTIC FACTORS OF CONVENTIONAL PAPILLARY THYROID CARCINOMA  
G. Kim, E. Kim, J. Kwak, J. Yoon, H. Moon

Poster 71  **Thyroid Imaging**  Clinical  
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G. Kim, E. Kim, J. Yoon, H. Moon, J. Kwak

Poster 72  **Thyroid Cancer**  Clinical  
IMPROVING PREDICTION OF THE CANCER-SPECIFIC SURVIVAL USING NEW CUT-OFF VALUE OF AGE IN DIFFERENTIATED THYROID CANCER  
S. Kim, H. Kwon, Y. Chai, J. Lee, R. Song, H. Yu, J. Jung, J. Choi, K. Kim, K. Lee, Y. Youn

Poster 73  **Thyroid Cancer**  Clinical  
HASHIMOTO THYROIDITIS IS ASSOCIATED WITH THE EFFICACY OF LOW-DOSE (30MCI) RADIOIODINE ABLATION IN PAPILLARY THYROID CARCINOMA  
H. Kwon, H. Yu, R. Song, J. Lee, K. Kim, J. Choi, K. Lee, Y. Youn

Poster 74  **Thyroid Cancer**  Clinical  
RECOVERY OF PARATHYROID FUNCTION IN IMMEDIATE HYPOPARATHYROIDISM AFTER TOTAL THYROIDECTOMY  
J. Cho, S. Jin, Y. Choi, D. Yoo

Poster 75  **Thyroid Cancer**  Clinical  
The value of preoperative serum thyroglobulin in predicting metastatic thyroid cancer  
P. Tripathy, A.B. Ergin, J. Bena, E. Berber, M. Gupta, C. Nasr

Poster 76  **Thyroid Cancer**  Clinical  
CYTOLOGY VS. THYROGLOBULIN FROM CERVICAL LYMPH NODES FOR THE DIAGNOSIS OF METASTASES FROM DIFFERENTIATED THYROID CARCINOMA: ARE BOTH NEEDED?  
C. Nasr, F. Karabashova, J. Bena, M. Gupta, J. Brainard, E. Berber

Poster 77  **Thyroid Cancer**  Clinical  
PREDICTIVE ROLE OF STIMULATED THYROGLOBULIN FOR BOTH MALIGNANT POTENTIAL OF CERVICAL LYMPH NODES WITH F-18 FLUORODEOXYGLUCOSE UPTAKE AND THEIR RESPONSIVENESS TO I-131 ABLATION THERAPY IN PAPILLARY THYROID CANCER PATIENTS  
S. Kwon, J. Kim, S. Jung, S. Kang, S. Jeon, H. Song, H. Bom, J. Min

Poster 78  **Thyroid Cancer**  Clinical  
POTENTIAL VALUE OF PREOPERATIVE F-18 FLUORODEOXYGLUCOSE PET/CT IN PAPILLARY THYROID CANCER PATIENTS WITH HIGH METASTATIC LYMPH NODE RATIO  
S. Kwon, J. Kim, S. Kang, S. Jeon, H. Song, H. Bom, J. Min

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H. Park, E. Choi, S.Y. Park, S. Kim

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**Thyroid Cancer**  
THE IMPORTANT ROLE OF PREOPERATIVE ULTRASOUND AND CT FINDINGS OF THE PRIMARY TUMOR IN PREDICTING THE CERVICAL LYMPH NODE METASTASES OF PAPILLARY THYROID CARCINOMAS  
J. Woo, D. Ko, J. Jung, J. Cho, S. Baek, S. Kwon, K. Jung

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PULMONARY CRYPTOCOCCAL INFECTION IN A PATIENT WITH METASTATIC THYROID CANCER  
S. Challagulla, G. Chune

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COPY NUMBER VARIATION IN ONE MONOZYGOTIC TWIN PAIR AFFECTED WITH MEDULLARY THYROID CARCINOMA AND DiscordANT AGE OF ONSET  
A.N. Araujo, R. Pellegrino, R. Maciel, D. Mazzotti, J.M. Cerutti

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**Thyroid Cancer**  
CARFILZOMIB TREATMENT HAS POTENT ANTI-CANCER EFFECTS IN DIFFERENTIATED THYROID CANCER CELL LINES  
R.D. Aufforth, A. Mehta, L. Zhang, M. Boufqaech, N. nilubol, E. Kebebew

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**Thyroid Cancer**  
MOLECULAR TESTING OF THYROID FINE NEEDLE ASPIRATIONS IMPROVES PRE-SURGICAL DIAGNOSIS AND SUPPORTS THE HISTOLOGICAL IDENTIFICATION OF MINIMALLY INVASIVE FOLLICULAR THYROID CARCINOMAS  
M. Eszlinger, S. Piana, A. Moll, E. Boesenberg, R. Paschke

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**Thyroid Cancer**  
DTC DISTANT METASTASIS AND LOCAL-REGIONAL RECURRENCE ARE DIFFERENTIALLY ASSOCIATED WITH TERT PROMOTER AND BRAFV600E MUTATIONS  

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EXPRESSION OF ORGANIC CATION TRANSPORTER 1 (OCT1) IN MEDULLARY THYROID CANCER  
A. Bikas, K. Jensen, J. Costello, A. Patel, K. Burman, V. Vasko

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**Thyroid Hormone Action**  
THYROID HORMONE RECEPTORS (TRs) AND CARDIAC METABOLISM: TR BETA MODULATES EXPRESSION OF KEY PROTEINS OF GLUCOSE AND FATTY ACID METABOLISM IN THE HEART  

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**Thyroid Hormone Action**  
TRBETA AGONIST, GC-24, PREVENTS STEATO-HEPATITIS IN A MOUSE MODEL OF NONALCOHOLIC FATTY LIVER DISEASE  
C.M. Pimenta, B. Nascimento, T.S. Scanlan, A. Bianco, M.O. Ribeiro

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**Thyroid Hormone Action**  
THE RELATIONSHIP BETWEEN THYROID-STIMULATING HORMONE AND LONGITUDINAL BONE MASS CHANGES AT THE LUMBAR SPINE IN KOREAN HEALTHY WOMEN OVER THE AGE OF 40  
S. Kim, J. Hahm, J. Jung, S. Kim

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**Thyroid Hormone Action**  
INFLUENCE OF THYROID HORMONES T3 AND T4 ON THE HYPOXIA RESPONSE NETWORK  
NON-THYROIDAL ILLNESS SYNDROME AND OUTCOMES IN PATIENTS HOSPITALIZED WITH CONGESTIVE HEART FAILURE
G. Rothberger, S. Gadhvi, D. Sionit, A. Kumar, N. Michelakis, R. Calixte, N. Bonelli, L.E. Shapiro

SPINAL ACCESSORY NERVE: ULTRASOUND FINDINGS AND CORRELATIONS WITH NECK LYMPH NODE LEVELS
M. Hong, J. Baek

THE PRESENTATION OF LYMPH NODES IN HASHIMOTO’S THYROIDITIS ON ULTRASOUND

ASSESSMENT OF INDETERMINATE CYTOLOGY THYROID NODULES: RETROSPECTIVE REVIEW OF ULTRASOUND-GUIDED FINE NEEDLE ASPIRATION BIOPSY PERFORMED AT A SINGLE ACADEMIC CENTER
A. Alok, R. Girdhar, S. Ali, W. Cance, A. Makdissi

IMPACT OF HYPERMETABOLISM ON 18-FLUORODEOXYGLUCOSE PET SCAN IMAGING ON THE RISK OF MALIGNANCY OF THYROID NODULE CYTOLOGY: A LARGE RETROSPECTIVE STUDY IN A SPECIALTY CANCER CENTER
P. Valderrabano, M. Mifsud, J. Montilla-Soler, M.E. Leon, T. McCaffrey, B. McIver, K. Otto

APPLICATION OF A COMMERCIALLY AVAILABLE ONCOGENE PANEL IN THE EVALUATION OF INDETERMINATE THYROID CYTOTOLOGY IN AN ACADEMIC CANCER CENTER
P. Valderrabano, M.E. Leon, B.A. Centeno, D. Coppola, T. Padhya, H. Lilienfeld, J. Russell, B. McIver

RATES OF MALIGNANCY IN BETHESDA CLASSIFICATION OF THYROID FNA BIOPSY AT A SPECIALTY CANCER CENTER: IMPLICATIONS FOR THE APPLICATION OF MOLECULAR MARKERS

EFFICACY OF DIFFERENT MODELS FOR EXPLAINING THE ENDOCRINE SURGERY OPERATIVE PROCEDURE—HEMITHYROIDECTOMY
S. Mayilvaganan

UTILITY OF NODULE WASH-OUT TIROGLOBULIN LEVELS FOR UNDETERMINE OR UNDIAGNOSED RESULTS

CORE-NEEDLE BIOPSY FOR RECURRENT UNDIAGNOSED THYROID NODULES: EXPERIENCE OF AN ENDOCRINOLOGIST
E. Karakilic, D. Berker, G. Guler, A. Kilic Yazgan, M. Navdar Basaran, M. Tuna

CENTRAL LYMPH NODES METASTASIS IN THE PROGNOSIS OF PAPILLARY THYROID CANCER
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THE RELATIONSHIP BETWEEN TSH LEVEL AND THE RECURRENCE RATE OF BENIGN THYROID NODULES AFTER NON-TOTAL THYROIDECTOMY IN CHINA----- A RETROSPECTIVE STUDY
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**11:00 a.m. – 12:00 p.m.**  
*Meet the Professor Workshops*  
(Pre-registered selections available with mailing badge)

- Garden Room, Victorian Building  
  **Thyroid Disease and Pregnancy**  
  Robin P. Peeters

- Crown Room, Victorian Building  
  **Management of Persistent/Recurrent Differentiated Thyroid Cancer: When to Treat, When to Watch?**  
  Mona M. Sabra, Gary L. Clayman

- Edison Complex, Grande Hall Bldg.  
  **TSH Suppression in Thyroid Cancer: Optimizing Risks vs. Benefits**  
  Anne R. Cappola, Irwin L. Klein

- Spreckels Complex, Grande Hall Bldg.  
  **Fukushima Daiichi Accident and Thyroid Cancer**  
  Shigenobu Nagataki

- Hanover Room, Victorian Building  
  **Genome Wide Analysis of Signaling**  
  Laurent Sachs
12:00 p.m. – 12:55 p.m.
Wilder Complex, Grande Hall Bldg.

In Vivo Modulation of Thyroid Hormone Action by Cofactors
Anthony N. Hollenberg

Poster Review and Lunch on your Own

12:00 p.m. – 12:55 p.m.
Viceroy Hall, Grande Hall Building

ATA Committee Meetings/Luncheon
(For Active 2014 ATA Committee Members only)

12:00 p.m. – 12:55 p.m.
Wilder Complex, Grande Hall Bldg.

Ridgway Trainee Conference Lunch Session: Career Tracks
(Designed for basic trainees; open to all trainees – lunch ticket required for meal)

Editor
Jennifer Sargent

Laboratory Director
Honey V. Reddi

Professor
Frances E. Carr

Research Director
Laurent Sachs

12:00 p.m. – 12:55 p.m.
Empress Hall, Grande Hall Building

Ridgway Trainee Conference Lunch Session: Trainees’ Corner Review
(Open to all trainees - lunch ticket required for meal)

12:00 p.m. – 12:55 p.m.
Carousel Room, Victorian Building

ATA Expo Theater Presentation with Bayer Healthcare/Onyx Pharmaceuticals – NEXAVAR® (sorafenib) in Patients with Locally Recurrent or Metastatic, Progressive, Differentiated Thyroid Cancer Refractory to Radioactive Iodine Treatment: The Phase 3 DECISION Trial (Open to all attendees; space limited, first come, first served)

Ezra Cohen

1:00 p.m. – 1:45 p.m.
Crown Room, Victorian Building

Sidney H. Ingbar Award Lecture
Role of Thyroid Hormones in Skeletal Development and Bone Maintenance
Introduction: Sheue-yann Cheng

Endowed by contributions to honor the memory of Sidney H. Ingbar, the Sidney H. Ingbar Distinguished Lectureship Award recognizes outstanding academic achievements in thyroïdology, in keeping with the innovation and vision that epitomized Dr. Ingbar's brilliant investigative career. The Ingbar award is conferred upon an established investigator who has made major contributions to thyroid-related research over many years.

Graham R. Williams

1:00 p.m. – 5:00 p.m.
Empress Hall, Grande Hall Building

Ridgway Trainee Conference: Thyroid Ultrasound Course
(For Clinical Trainees’ Grant participants only, space limited)

Introduction to Thyroid Ultrasound
Andrew G. Gianoukakis

Advanced Thyroid Ultrasound
Stephanie A. Fish

Thyroid Cytology
Nicole A. Massoll

Practicum
Victor J. Bernet, James V. Hennessey, Joshua P. Klopper, Jennifer A. Sipos, Jacqueline Kung, Stephanie A. Fish and Andrew G. Gianoukakis

1:50 p.m. – 3:20 p.m.
Garden Room, Victorian Building

Basic Oral Abstract Session

Chairs: Ronald J. Koenig and Yun-Bo Shi

Oral 5, Thyroid Cancer, Basic
KRASG12D MEDIATED ONCOGENIC TRANSFORMATION OF THYROID FOLLICULAR CELLS REQUIRES LONG-TERM TSH STIMULATION AND IS REGULATED BY SPRY1
Oral 6, *Thyroid Cancer, Basic*
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COOPERATIVE ACTIVATION OF TERT BY BRAF V600E AND TERT PROMOTER MUTATIONS: A NOVEL MOLECULAR MECHANISM IN THYROID TUMORIGENESIS
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Oral 8, *Iodine Uptake & Metabolism, Basic*
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Oral 9, *Thyroid Cancer, Basic*
BRAF ACTIVATES AND PHYSICALLY INTERACTS WITH PAK TO REGULATE CELL MOTILITY

Oral 10, *Thyroid Cancer, Basic*
BRAFV600E-DRIVEN MURINE ANAPLASTIC THYROID CANCERS RECUR AFTER WITHDRAWAL OF THE ONCOPROTEIN, AND REACTIVATE MAPK SIGNALING IN A BRAFV600E-INDEPENDENT MANNER
J.A. Knauf, K. Chen, R.A. Ghossein, J. Fagin

1:50 p.m. – 3:20 p.m.
Clinical Oral Abstract Session
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LONG-TERM MODERATE THYROID HORMONE SUPPRESSION THERAPY IS ASSOCIATED WITH IMPROVED OUTCOMES IN DIFFERENTIATED THYROID CARCINOMA: NATIONAL THYROID CANCER TREATMENT COOPERATIVE STUDY GROUP REGISTRY ANALYSIS 1987-2012

Oral 12, *Autoimmunity, Clinical*
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Oral 13, *Thyroid Cancer, Clinical*
PROGNOSTIC AND PREDICTIVE FACTORS CORRELATED WITH Treatment OUTCOMES FOR RADIOACTIVE IODINE-REFRACTORY DIFFERENTIATED THYROID CANCER (RAI-RDTC) PATIENTS RECEIVING SORAFENIB OR PLACEBO ON THE PHASE III DECISION TRIAL

Oral 14, *Thyroid Cancer, Clinical*
IS PREOPERATIVE VITAMIN D DEFICIENCY A RISK FACTOR FOR POSTOPERATIVE SYMPTOMATIC HYPOCALCEMIA IN THYROID CANCER PATIENTS UNDERGOING TOTAL THYROIDECTOMY PLUS CENTRAL COMPARTMENT NECK DISSECTION?
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Oral 16, *Thyroid Cancer, Clinical*
POSTOPERATIVE NOMOGRAM FOR PREDICTING CANCER-SPECIFIC MORTALITY IN MEDULLARY THYROID CANCER

3:20 p.m. – 3:50 p.m.
Ballroom & Coronet, Victorian Bldg.

**Poster Review Session and Break in the Exhibit Hall**

3:50 p.m. – 5:05 p.m.
Crown Room, Victorian Building

**Clinical: Voice Symposium, Surgically Related**
*Chair: Amy Y. Chen*

Getting the Most Out of the New Guidelines (ATA & AAO-HNSF)  
David J. Terris

Novel Ways to Image Vocal Cord Function  
Denise Carneiro-Pla

State of the Science: Use of Intraoperative Nerve Monitoring and Prediction of Long Term Outcomes  
Quan-Yang Duh

3:50 p.m. – 5:05 p.m.
Garden Room, Victorian Building

**Basic: Thyroid Cell Biology**
* Dedicated to the Memory of Paul Kim
*Chair: Fredric E. Wondisford*

To Be or Not to Be: How Thyroglobulin Mutations and Folding Affect Thyroid Survival and Growth  
Peter Arvan

Unraveling the Mysteries of the Sodium Iodide Symporter (NIS)  
Nancy Carrasco

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Xavier De Deken

5:10 p.m. – 6:25 p.m.
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**Symposium: Intersecting Autoimmunity, Immuno-Modulators and Thyroid Dysfunction – Updates and Emerging Themes**
*Chair: Terry F. Davies*

Thyroid Dysfunction as a Component of Autoimmune Polyendocrinopathy Syndrome  
George J. Kahaly

Thyroid Dysfunction Associated with Other Autoimmune Diseases  
Kristien Boelaert

Thyroid Dysfunction Associated with Immune Modulating Therapies  
Mabel M. Ryder

6:30 p.m. – 7:30 p.m.
Garden Room, Victorian Building

**ATA Annual Business Meeting**
(For Active and senior ATA members only)

The annual business meeting will feature election results, committee reports, revised bylaws vote and discussion of important member issues.
84th Annual Meeting of the American Thyroid Association
Friday, October 31, 2014

6:30 a.m. – 5:30 p.m.
Windsor Complex, Victorian Building
Registration Open

6:30 a.m. – 7:30 a.m.
Carousel Room, Victorian Building
Early Riser Symposium Continental Breakfast

6:45 a.m. – 8:00 a.m.
Crown Room, Victorian Building
Early Riser Symposium: Radioactive Iodine Remnant
Ablation: Selecting the Proper Patients, Preparation Method and Administered Activity
Chair: Laura Boucai
Risk Stratification in Differentiated Thyroid Cancer
Guidelines for Patient Selection for Radioactive Iodine Ablation
ESTIMBL and Hi-Lo: What Did We Learn, What Is Next?
Fabian Pitoia
Leonard Wartofsky
Ujjal Mallick

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Announcements
Program Chairs R. Michael Tuttle and Fredric E. Wondisford

8:10 a.m. – 8:55 a.m.
Crown Room, Victorian Building
Van Meter Lecture (announced onsite at time of lecture)
Established in 1930, the Van Meter Award Lecture 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. Funded by support from Mary Ann Liebert, Inc., Publishers; and a Van Meter endowment in memory of Jacob (Jack) Robbins created by Jean Robbins in 2014.

9:00 a.m. – 10:15 a.m.
Crown Room, Victorian Building
Clinical: ICCIDD Iodine Deficiency Symposium
Dedicated to the Memory of Gerard “Jerry” Burrow
Chairs: Elizabeth N. Pearce and Angela M. Leung
Iodine in Veterinary Populations
David Marine and the Elimination of Endemic Goiter in the United States
Charlene H. Edinboro
J. Woody Sistrunk

9:00 a.m. – 10:15 a.m.
Garden Room, Victorian Building
Basic: Thyroid Hormone Regulation of Growth and Development
Chair: Anthony N. Hollenberg
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The Role of Thyroid Hormone on Cerebral Cortex Development
Roles of Thyroid Hormone Receptors in the Regulation of Thyroid Growth
Douglas Forrest
Beatriz Morte Molina
Sheue-yann Cheng

9:00 a.m. – 10:30 a.m.
Empress Hall, Grande Hall Building
Ridgway Trainee Conference: Case Discussions–Thyroid Function (Open to all trainees; cases submitted by trainees for discussion)
Mary H. Samuels
Peter A. Singer

10:00 a.m. – 4:30 p.m.
Ballroom & Coronet, Victorian Bldg.
Exhibit Hall Open

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P.H. Iyer, R. Rahbari, C. Blackshear, B. Ma, N. Zhang

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N. Besic, H. Besic, R. Petric

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PEMETREXED AND CARBOPLATIN AS A CANDIDATE THERAPEUTIC APPROACH FOR FOLLICULAR CELL-DERIVED THYROID CANCER  
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S. Fatemi, I. Petrovic, J.S. LoPresti, S.K. Grebe, B. Netzel, A. Algeciras-Schimmich, C. Spencer

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J. Zeck, A. Busseniers

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**Thyroid Cancer**  
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K. Park, K. Kang, S. Lee, H. Hong

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T. Pilli, S. Cantara, G. Sebastiani, G. Cevenini, G. Busonero, S. Cardinale, D. Francesco, F. Pacini

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**Thyroid Cancer**  
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METFORMIN EXERTS AN ANTITUMORAL EFFECT IN PAPILLARY THYROID CANCER CELLS THROUGH DECREASING PKM2 EXPRESSION AND ALTERING CELL ENERGY METABOLISM  
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MIR-146B ASSOCIATION WITH LYMPH NODE METASTASIS IN PATIENTS WITH PAPILLARY THYROID CANCER: A SYSTEMATIC REVIEW  
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A.M. Olvera Vidal, P. Navarrete-Ramirez, G. Hernandez-Puga, P. Villalobos, A. Orozco Rivas

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**Thyroid Hormone Action**  
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EXPRESSION OF MRNA OF PROTEINS RESPONSIBLE FOR IRON HOMEOSTASIS ARE REGULATED BY THYROID HORMONES IN LIVER OF RATS  
J. Sena de Souza, J. Sousa Duarte, R. Monteiro de Barros Maciel, G. Giannocco
CHARACTERIZATION OF THYROID HORMONE (TH) ACTION IN HUMAN INDUCED PLURIPOTENT STEM CELL (IPSC) UNTIL NEURON DIFFERENTIATION


RESISTANCE TO THYROID HORMONE: THREE PATIENTS WITH VARIABLE CLINICAL PRESENTATION

A. Guven

FREE THYROXINE DEPLETION MODULATED BY EXOGENOUS L-TRIIODOTHYRONINE MAY EXTEND SURVIVAL IN COMPASSIONATE NEED CANCER PATIENTS AN OBSERVATIONAL STUDY

A. Herebergs

SUBCLINICAL INFLAMMATORY ACTIVITY BUT NOT GLYCEMIC CONTROL IS RELATED TO LOW T3 IN PATIENTS WITH TYPE 2 DIABETES


HEMOSTATIC AGENT USE IN THYROID SURGERY: META-ANALYSIS

H. Khadra, M. Bakeer, H. Ahmad, T. Hu, E. Kandil

DEFICIENCY OF A NOVEL ADAPTOR PROTEIN, XB130, IS ASSOCIATED WITH THE DEVELOPMENT OF SEVERE MULTINODULAR GOITER IN OLD MICE


EXPERIENCE WITH ROBOTIC THYROIDECTOMY IN THE UNITED STATES 2009-2013


ACCURACY AND FALSE-NEGATIVE RESULTS OF CYTOLOGY IN THYROID NODULES 3CM OR LARGER


THE IMPACT OF DOPPLER ANALYSIS OF THE THYROID IMAGING REPORTING AND DATA SYSTEM (TI-RADS) RESULTS: IMPROVEMENT OF THYROID BIOPSY RECOMMENDATION AND CANCER DIAGNOSIS


MCL-1 ANTI-APOPTOTIC PROTEIN EXPRESSION DIFFERENTIATES THE PATHOGENESIS OF PAPILLARY THYROID CARCINOMA AND BENIGN THYROID DISEASES


THE VALUE OF REPEAT FINE NEEDLE ASPIRATION (RFNA) IN THYROID NODULES WITH A PREVIOUSLY BENIGN FINE NEEDLE ASPIRATION (FNA): HOW OFTEN DOES THE PATHOLOGY CHANGE AND DOES IT MAKE ANY DIFFERENCE?

N. Singh Ospina, T.J. Sebo, J.C. Morris, M. Castro

RADIOISOTOPE THERAPY REDUCES NODULE VOLUME IN PATIENTS WITH AUTONOMOUSLY FUNCTIONING THYROID NODULES WITH A NORMAL THYROID-STIMULATING HORMONE LEVEL

T. Maruta, K. Hamada, T. Mizokami, K. Higashi, J. Tajiri

OUTCOME OF FINE NEEDLE ASPIRATION OF THYROID NODULES IN THE BETHESDA SYSTEM FOR REPORTING THYROID ASPIRATION CYTOLOGY: AN INSTITUTIONAL EXPERIENCE IN A RURAL SETTING

A. Guo, S. Jenkinson
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A CASE OF PAINFUL IGG4-RELATED THYROIDITIS TREATED BY TOTAL THYROIDECTOMY

Poster 205  Autoimmunity  Case Report
ABNORMAL THYROID FUNCTION TESTS WITH POSSIBLE HAMA INTERFERENCE - A CASE REPORT
S. Ali, R. Girdhar

Poster 206  Disorders of Thyroid Function  Case Report
RAPID PREPARATION FOR THYROIDECTOMY IN GRAVES' DISEASE WHEN THIONAMIDES FAIL
M. Shrestha, J.G. Daily, H.B. Burch

Poster 207  Disorders of Thyroid Function  Case Report
ADULT-ONSET IDIOPATHIC ISOLATED CENTRAL HYPOTHYROIDISM
C. Tang, R. Yu

Poster 208  Disorders of Thyroid Function  Case Report
ACUTE SUPPURATIVE THYROIDITIS IN AN IMMUNOCOMPROMISED PATIENT
A. Skolnick, I. Romao, R. Schulman

Poster 209  Disorders of Thyroid Function  Case Report
INTERESTING PRESENTATION IN GRAVES' DISEASE

Poster 210  Thyroid Cancer  Case Report
ADJUVANT TREATMENT WITH SORAFENIB AFTER RADIOTHERAPY FOR BRAIN METASTASIS FROM POORLY DIFFERENTIATED THYROID CARCINOMA
K. Yun, Y. Lim, M. Kim, D. Lim, K. Jo

Poster 211  Thyroid Cancer  Case Report
THE RARE CASE OF DIFFERENTIATED THYROID CANCER (DTC) METASTASIS TO THE ADRENAL GLANDS
L. Kwatampora, R. Dadu, M. Cabanillas, N.L. Busaidy

Poster 212  Thyroid Cancer  Case Report
SIMULTANEOUS PAPILLARY AND MEDULLARY THYROID MICROCARCINOMA
M. Shakiba, V. Thudi, R. Kakarala, M. Bakleh

Poster 213  Thyroid Cancer  Case Report
METASTATIC SARCOMA TO THE THYROID
B. Sanchez, R. Nayar, J. Dutra, X. Lin

Poster 214  Thyroid Nodules & Goiter  Case Report
THE UNUSUAL OUTCOME OF AN USUAL THYROID NODULE
B. Gredysa, S. Weitzman

Short Call Poster 9  Thyroid Cancer  Clinical
PROGNOSTIC IMPLICATIONS OF LYMPH NODE YIELD IN CENTRAL AND LATERAL NECK DISSECTIONS FOR WELL-DIFFERENTIATED PAPILLARY THYROID CARCINOMA
C.M. Heaton, J.L. Chang, L.A. Orloff

Short Call Poster 10  Disorders of Thyroid Function  Clinical
THYROID HORMONE THERAPY IS THE PRIMARY RISK FACTOR FOR THYROTOXICOSIS IN COMMUNITY-RESIDENT OLDER ADULTS
J.S. Mammen, J. Mcgready, R. Oxman, P. Ladenson, E. Simonsick

Short Call Poster 11  Thyroid & Development  Translational
HIPPOCAMPAL METABOLITE ABNORMALITIES ASSOCIATED WITH MATERNAL THYROID DISEASE IN PREGNANCY: A MAGNETIC RESONANCE SPECTROSCOPY STUDY
C.E. Lewis, J. Skocic, M. Noseworthy, K.A. Willoughby, M. McAndrews, J.F. Rovet
11:15 a.m. – 12:30 p.m.  
**Arthur Bauman Clinical Symposium: Behind the Scenes – Difficult Decisions, Controversies and Logic in Developing ATA Guidelines**  
*Chair: Glenn D. Braunstein*

- Thyroid Nodules and Differentiated Thyroid Cancer Guidelines  
  Bryan R. Haugen
- Medullary Thyroid Cancer Guidelines  
  Samuel A. Wells
- Hypothyroidism Guidelines: To T3 or Not to T3 and Other Questions about the Treatment of Hypothyroidism  
  Jacqueline Jonklaas

11:15 a.m. – 12:30 p.m.  
**Basic: The Journey of Thyroid Hormone into the Cell Nucleus**  
*Chair: Sheue-yann Cheng*

- Cell Membrane Transporter  
  Heike Heuer
- Cellular Deiodinase Regulation  
  Elizabeth McAninch
- Role of Transthyretin in Placental Thyroid Hormone Transport  
  Kerry Richard

12:30 p.m. – 1:25 p.m.  
**Poster Review and Lunch on your Own**

12:30 p.m. – 1:25 p.m.  
**Women in Thyroidology: Communicating and Networking**  
*Mary H. Samuels*

**Ridgway Trainee Conference Lunch Session: How to Get Your Work Published**  
*Peter A. Kopp*

**ATA Expo Theater Presentation with Veracyte, Inc. – The Scientific Story Behind Afirma® Thyroid FNA Analysis**  
*Giulia C. Kennedy  
Richard T. Kloos (Open to all attendees; space limited – first come, first served)

1:30 p.m. – 2:15 p.m.  
**Lewis E. Braverman Award Lecture**  
*Leonard Wartofsky*

**A Tale of Two Iodines – And the Braverman/Wartofsky Intersection**  
*Introduction: Elizabeth N. Pearce*

The Lewis E. Braverman Lectureship Award recognizes an individual who has demonstrated excellence and passion for mentoring fellows, students and junior faculty; has a long history of productive thyroid research; and is devoted to the ATA. The award is endowed by contributions to honor Dr. Lewis E. Braverman.

2:20 p.m. – 3:20 p.m.  
**Meet the Professor Workshops**  
(Pre-registered selections available with mailing badge)

- **Serum Thyroglobulin in the Management of Differentiated Thyroid Cancer: An Update in 2014**  
  Carole A. Spencer  
  Robert C. Smallridge
- **Evaluation of Thyroid Nodules: What is the Role of Molecular Markers?**  
  Julie Ann Sosa  
  Anna M. Sawka
- **Evaluation and Management of Thyroid Nodules and Thyroid Cancer in the Pediatric Population**  
  Stephen Huang
- **ATA Basic Research Guidelines: How to Manipulate Thyroid Status in Animal Models**  
  Tania Ortiga-Carvalho
- **Role of TRs in Cell Differentiation and Senescence**  
  Ana Aranda
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 committee for many years; and as the presenter of the historical vignette at ATA annual meetings from 1993 – 2003; and as president of the ATA 2003-2004.

**Ridgway Trainee Conference: Setting Up a Thyroid Practice**  
(Open to all trainees)

- **General**  
  Brittany Bohinc/
  J. Woody Sistrunk

- **Nuclear Medicine**  
  J. Woody Sistrunk

- **Ultrasound**  
  Brittany Bohinc

**Poster Review Session and Break in the Exhibit Hall**

**Research Grants Symposium**  
*Chair: Mingzhao Xing*

- An Investigation of the LDLR-Independent Serum Lipid Modulation by Thyroid Hormone  
  Stepahen Ayers

- Type 3 Deiodinase in Dilated Heart Failure  
  Ari J. Wassner

- Sorafenib and Quinacrine as Potential Combination for Anaplastic Thyroid Carcinoma  
  Niklas K. Finnberg

**Basic Oral Abstract Session**  
*Chairs: Terry F. Davies and Theo J. Visser*

- Oral 115, *Thyroid Cancer, Basic*  
  MICRONA-339-5P MODULATES NA⁺/I⁻ SYMPORTER-MEDIATED RADIOIODIDE UPTAKE  
  A. Lakshmanan, A. Wojcicka, M. Kotlarek, K. Jazdzewski, S.M. Jhiang

- Oral 116, *Thyroid Cancer, Basic*  
  TARGETED DELIVERY OF A NOVEL HISTONE DEACETYLASE INHIBITOR, AB3, USING UNIMOLECULAR MICELLES TO IMPROVE ANTITUMOR EFFECT IN MEDULLARY THYROID CANCER  

- Oral 117, *Autoimmunity, Basic*  
  STANDARDIZATION OF A FDA-CLEARED BIOASSAY CONVERTS THYROID-STIMULATING ANTIBODY LEVELS INTO INTERNATIONAL UNITS ENABLING COMPARISON AMONG LABORATORIES  
  T. Diana, M. Kanitz, M. Lehmann, J. Franken, G.J. Kahaly

- Oral 118, *Thyroid Hormone Action, Basic*  
  THYROID HORMONE INTERACTS WITH ALPHA2C ADRENERGIC RECEPTOR SIGNALING TO REGULATE THE EPIPHYSIAL GROWTH PLATE MORPHOLOGY AND BONE GROWTH  
  M.M. Rodrigues, M.V. Silva, P.C. Brum, C.H. Gouveia

- Oral 119, *Disorders of Thyroid Function, Basic*  
  TSH RECEPTOR ENDOCYTIC CARGO DETERMINES THYROCYTE CELL FATE  
  S. A. Morshed, R. Ma, R. Latif, T.F. Davies
Clinical Oral Abstract Session

5:10 p.m. – 6:40 p.m.
Crown Room, Victorian Building

Oral 120, Thyroid Hormone Metabolism & Regulation, Basic
PHARMACOLOGICAL ACTIVATION OF THYROID HORMONE RECEPTORS ELICITS A FUNCTIONAL CONVERSION OF WHITE TO BROWN FAT

Oral 121, Thyroid Cancer, Translational
TUMOR SUPPRESSOR MIR-30A-5P INHIBITS LOX EXPRESSION AND CANCER PROGRESSION IN THYROID CANCER

Oral 122, Thyroid Cancer, Translational
DETECTION OF CIRCULATING BRAFV600E IN PATIENTS WITH PAPILLARY THYROID CARCINOMA
C.C. Lubitz, S. Parangi, M. Bernasconi, A.P. Schalck, D.T. Frederick, H. Suh, S.E. Donovan, L. Wirth, R.J. Sullivan, D.J. Panka

Oral 123, Thyroid Cancer, Clinical
HIGHLY ACCURATE DIAGNOSIS OF CANCER IN THYROID NODULES WITH FOLLICULAR NEOPLASM/SUSPICIOUS FOR A FOLLICULAR NEOPLASM CYTOLOGY BY THYROSEQ V2 NEXT GENERATION SEQUENCING ASSAY

Oral 124, Thyroid Cancer, Translational
MUTATIONAL ANALYSIS OF KINOME IN DIFFERENTIATED THYROID CANCER

Oral 125, Thyroid Cancer, Clinical
DEVELOPMENT OF A CLINICAL TARGETED NEXT-GENERATION SEQUENCING TEST FOR INDETERMINATE THYROID NODULES

Oral 126, Thyroid Cancer, Translational
IDENTIFICATION OF IODINE METABOLISM-ASSOCIATED LARGE NON-CODING RNA (LINCRNA) DIFFERENTIALLY EXPRESSED IN BRAFV600E-POSITIVE PAPILLARY THYROID CANCER VERSUS NORMAL THYROID TISSUE
M. Duquette, A. Fischer, E. Puxeddju, J. Lawler, P. Pandolfi, C. Nucera

ATA Annual Reception and Banquet – Halloween Style!
(Admission by ticket only; Bring your costume and your festive spirit as this year’s event will be a scream!)

ATA Distinguished Service Award
In recognition and honor of a member who has made important and continuing contributions to the Association.
2014 Awardee: Alan P. Farwell

John B. Stanbury Thyroid 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.
2014 Awardee: Valerie Ann Galton
84th Annual Meeting of the American Thyroid Association
Saturday, November 1, 2014

6:30 a.m. – 5:30 p.m.
Registration Open
Group Registration Desk
Victorian Building

6:30 a.m. – 7:30 a.m.
Early Riser Symposium Continental Breakfast
Carousel Room, Victorian Building

6:45 a.m. – 8:00 a.m.
Early Riser Symposium: Management of Advanced Radioactive Iodine Refractory Thyroid Cancer
Chair: Maria E. Cabanillas
Carousel Room, Victorian Building

8:05 a.m. – 8:10 a.m.
Announcements
Crown Room, Victorian Building

8:10 a.m. – 8:55 a.m.
Plenary Lecture: Excess Thyroid Hormone and Thyrotroph Cell Death
Introduction: Yun-Bo Shi
Crown Room, Victorian Building

9:00 a.m. – 10:00 a.m.
Ridgway Trainee Conference: How to Communicate About the Thyroid (Open to all trainees)
Empress Hall, Grande Hall Building

9:00 a.m. – 10:30 a.m.
Short Call Oral Abstracts
Crown Room, Victorian Building

Short Call Oral 1, Thyroid Cancer, Translational
TERT PROMOTER AND BRAF MUTATIONS COOPERATIVELY PROMOTE PAPILLARY THYROID CANCER-RELATED MORTALITY
M. Xing, R. Liu, J. Bishop

Short Call Oral 2, Thyroid Cancer, Basic
NF2/MERLIN IS A NOVEL THYROID TUMOR SUPPRESSOR GENE WHOSE LOSS PROMOTES ONCOGENIC RAS-INDUCED THYROID CANCERS VIA YAP-DEPENDENT TRANSACTIVATION OF MUTANT RAS AND SENSITIZES THEM TO MEK INHIBITION

Short Call Oral 3, Thyroid Cancer, Translational
TARGETING OF ONCOGENIC HRAS IN MURINE AGGRESSIVE THYROID CANCERS WITH MEK AND FARNESYLTRANSFERASE INHIBITION

Short Call Oral 4, Autoimmunity, Translational
MUTATIONS IN NOX3 AS GENETIC CAUSE OF FAMILIAL AGRANULOCYTOSIS DURING THYROSTATIC TREATMENT OF GRAVES’ DISEASE
Short Call Oral 5, Thyroid Cancer, Translational
IDENTIFICATION OF NOVEL GENE FUSIONS BY TARGETED NEXT-GEN SEQUENCING IN THYROID FNA SAMPLES
M. Nikiforova, S. Zhong, A. Wald, L. Kelly, Y. Nikiforov

Short Call Oral 6, Thyroid Hormone Action, Basic
A ROLE FOR THYROID HORMONE ACTIVATION IN THE TREATMENT OF X-LINKED ADRENOLEUKODYSTROPHY (X-ALD)
M.D. Hartley, T. Banerji, T.S. Scanlan

9:30 a.m. – 1:30 p.m.
Exhibit Hall Open
Ballroom & Coronet, Victorian Bldg.

10:00 a.m. – 11:30 a.m.
Ridgway Trainee Conference: Case Discussions–Thyroid
Cancer (Open to all trainees; cases submitted by trainees for discussion)
R. Michael Tuttle

10:30 a.m. – 11:30 a.m.
Poster Review Session and Break in the Exhibit Hall
Ballroom & Coronet, Victorian Bldg.

Poster 224 Autoimmunity Basic
SPECIFIC HAPLOTYPES OF A MICROSATELLITE MARKERS INTERNAL TO THE HIPK2 GENE IN HASHIMOTO THYROIDITIS

Poster 225 Autoimmunity Basic
SINGLE NUCLEOTIDE POLYMORPHISMS (SNPS) IN EXON 4 OF P53 AS GENETIC MARKERS OF SUSCEPTIBILITY FOR HASHIMOTO’S THYROIDITIS (HT)
R.M. Ruggeri, T.M. Vicchio, S. Giovinazzo, R. Certo, F. Trimarchi, S. Benvenega, M.C. Trovato

Poster 226 Thyroid Nodules & Goiter Basic
EXPRESSIONS OF Δ 133 ISOFORMS OF P53 IN MULTINODULAR THYROID: THE IMMUNOREACTIONS IN BENIGN LESIONS ARE CORRELATING WITH SUBCELLULAR PHENOTYPES OF ELECTRON MICROSCOPY

Poster 227 Withdrawn

Poster 228 Autoimmunity Clinical
CAN THYROID AUTOANTIBODY LEVELS AID IN TREATMENT DECISION-MAKING FOR GRAVES’ DISEASE?
D. Elfenbein, R. Sippel, H. Chen, D. Schneider

Poster 229 Autoimmunity Clinical
LONG-TERM COURSE OF THE THYROID FUNCTION AND THYROID ASSOCIATED OPHTHALMOPATHY OF EUTHYROID GRAVES’ DISEASE PATIENTS

Poster 230 Autoimmunity Clinical
FREQUENCY AND DEGREE OF SEVERITY OF HASHIMOTO’S THYROIDITIS IN PATIENTS WITH WELL-DIFFERENTIATED THYROID CARCINOMA
H. Vargas-Uricoechea, I. Meza-cabrera, V. Agredo-Delgado, D. Bolaños-Ñañez

Poster 231 Thyroid & Development Case Report
ECTOPTIC THYROID TISSUE IN THE ADRENAL GLAND: A RARE ENTITY, POORLY UNDERSTOOD
H. Vargas-Uricoechea, I. Meza-cabrera, A. Romero-Rojas

Poster 232 Thyroid Nodules & Goiter Clinical
CYTOLOGICAL CHARACTERISTICS AND FREQUENCY OF AUTOANTIBODIES IN THYROID NODULES IN CHILDREN
H. Vargas-Uricoechea, I. Meza-Cabrera, V. Agredo-Delgado, D. Bolaños-Ñañez
Poster 233  Autoimmunity  Clinical
A CASE OF ASSOCIATION OF AUTOIMMUNE THYROIDITIS WITH HYPOTHYROIDISM AND ADDISON'S DISEASE
N.H. Martirosyan

Poster 234  Autoimmunity  Translation
THE EFFECTS OF IGF-I AND IGF-I RECEPTOR KINASE INHIBITOR ON CYTOKINE PRODUCTION INDUCED BY LPS AND CYCLIC AMP ANALOGUE IN FIBROBLASTS FROM GRAVES' OPHTHALMOPATHY
O. Isozaki, R. Inoue, Y. Nozoe, Y. Okubo, Y. Inoue, A. Ichihara

Poster 235  Disorders of Thyroid Function  Basic
URINARY SELENIUM LEVELS IN HEALTHY TURKISH WOMEN
E. Kilinc, C. Akin, A. Coskun, F. Kelestimur, A. OZPINAR

Poster 236  Disorders of Thyroid Function  Clinical
DIAGNOSIS, MANAGEMENT, AND DEVELOPMENTAL OUTCOMES OF PATIENTS WITH PRIMARY CONGENITAL HYPOTHYROIDISM IN CALIFORNIA AND HAWAII

Poster 237  Disorders of Thyroid Function  Clinical
PREDICTORS OF DIAGNOSIS AND HOSPITAL OUTCOMES IN THYROID STORM: A RETROSPECTIVE COHORT STUDY

Poster 238  Withdrawn

Poster 239  Disorders of Thyroid Function  Clinical
PREFERABLE TREATMENT WITH METHIMAZOLE (MMI) FOR GRAVES' DISEASE AFTER THE FIRST TRIMESTER
N. Momotani, S. Iwama

Poster 240  Disorders of Thyroid Function  Clinical
THYROID DISEASE AS A STROKE RISK FACTOR IN PATIENTS WITH COGNITIVE COMPLAINTS
H. Pretorius, D. Menke, M.M. Bowling, N.M. Bodnar

Poster 241  Disorders of Thyroid Function  Clinical
PSYCHOLOGICAL PERFORMANCE AND BRAIN FUNCTIONAL CONNECTIVITY IN THE PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA DURING THYROID HORMONE WITHDRAWAL
Y. Choi, Y. Shin, E. Jang, M. Jeon, T. Kim, J. Hong, Y. Shong, W. Kim

Poster 242  Disorders of Thyroid Function  Clinical
THYROID FUNCTION AND 6-YEAR MORTALITY IN THE ELDERLY POPULATION LIVING IN A IODINE SUFFICIENT AREA: A RESULT FROM KOREAN LONGITUDINAL STUDY ON HEALTH AND AGING (KLOSHA)
J. Moon, K. Kim, S. Choi, S. Lim, H. Jang

Poster 243  Disorders of Thyroid Function  Clinical
PROPOSAL FOR THE TENTATIVE RANGE OF INAPPROPRIATE TSH ELEVATION
K. Ohba, S. Sasaki, H. Nakamura

Poster 244  Withdrawn

Poster 245  Iodine Uptake & Metabolism  Clinical
URINARY IODINE EXCRETION AND SERUM THYROID FUNCTION IN HEALTHY ADULTS AFTER IODINATED CONTRAST ADMINISTRATION
S.Y. Lee, D.L. Chang, X. He, E.N. Pearce, L.E. Braverman, A.M. Leung

Poster 246  Thyroid Cancer  Basic
NOTCH1 INTRACELLULAR DOMAIN REGULATES THYROID CANCER CELL MIGRATION AND TUMOR METASTASIS VIA INHIBITION OF SERPINE1
X. Yu, A.D. Harrison, R. Jaskula-Sztul, R.V. Lloyd, H. Chen
**Poster 247**  
**Thyroid Cancer**  
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A. Corrado, P. Fallahi, S. Ferrari, A. Di Domenicantonio, I. Ruffilli, A. Antonelli

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A. Shtabsky, A. Aizic, F. Mizonzhnik Bedny, L. Leider-Trejo, I. Solar

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PEDIATRIC THYROID MALIGNANCIES: A SEVERE BURDEN OF DISEASE  
S. Liao, M. Milas, M. Shindo  

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R.C. Borek, P. Mudd, G. Krishnamurthy, A. Bauer, S. Mostoufi-Moab, K. Kazahaya  

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N. Qu, Q. Ji  

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THE ASSOCIATION BETWEEN GENETIC ALTERATIONS AND CLINICAL CHARACTERISTICS IN DIFFUSE SCLEROSING VARIANT OF PAPILLARY THYROID CARCINOMA
J. Joung, D. Jeong, Y. Cho, S. Park, S. Sohn, J. Chung, J. Jun, S. Kim

Withdrawn

CLINICAL UTILITY OF FINE NEEDLE ASPIRATION WASHOUT THYROGLOBULIN LEVELS IN SUSPICIOUS LYMPH NODE OF THYROID CANCER PATIENTS: A LARGE-SCALE HOSPITAL-COHORT STUDY
K. Jo, M. Kim, J. Bae, C. Jung, S. Jung, M. Kang, B. Cha, D. Lim

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THE VALUE OF ULTRASONOGRAPHIC CALCIFICATIONS AS A PROGNOSTIC FACTOR IN PAPILLARY THYROID CARCINOMA
B. Kim, J. Kim, Y. Kim, S. Kwon, Y. Choi, Y. Park

THE FREQUENCY OF LYMPH NODE INVOLVEMENT IN PARATHYROID CARCINOMA. A SEER DATABASE ANALYSIS

CLINICO-PATHOLOGICAL RISK FACTORS AND BIOCHEMICAL PREDICTORS OF SAFE DISCHARGE AFTER TOTAL THYROIDECTOMY AND CENTRAL COMPARTMENT NODE DISSECTION FOR THYROID CANCER: A PROSPECTIVE STUDY
Y. Lee, J. Yoon

DISTANT METASTASIS AS THE INITIAL PRESENTATION OF THYROID CARCINOMA - A 12-YEAR EXPERIENCE IN AN ASIAN CANCER CENTER
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I.L. Ross, T. Kotze, B. Robertson, E. Panieri, R. Steyn

THE PREDICTION OF MALIGNANT RISK OF THYROID NODULES AS ATYPIA AND FOLLICULAR LESIONS OF UNDETERMINED SIGNIFICANCE IN THYROID FINE-NEEDLE ASPIRATION CYTOLOGY
D. Kim, J. Lee, J. Jeon, Y. Choi, S. Han, Y. Chung

A RARE CASE OF PAPILLARY THYROID CANCER ARISING IN A THYROGLOSSAL DUCT CYST
S.W. Urban McCarthy, M. Policarpio-Nicolas, N. Riddle, F.R. Miller, S. Ahmadi

OVEREXPRESSION OF LGR5 IN HUMAN THYROID CANCER PROMOTES WNT/\(\beta\)-CATENIN SIGNALING AND IS ASSOCIATED WITH TUMOR AGGRESSIVENESS
G. Michelotti, J. Sosa, X. Jiang, A. Diehl, B. Bohinc

BRAF TESTING IN MUTIFOCAL PAPILLARY THYROID CARCINOMA
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L. Moraes, A.R. Galrão, I.S. Rubió, J.M. Cerutti

OPPOSITE ROLES OF JAB1 WITH L-TRβ1+T2 AND S-TRβ1+T3 COMPLEXES
G. Hernandez-Puga, A. Mendoza, P. Villalobos, A. Orozco

DEVELOPMENT OF THE TSH SET POINT IN ZEBRAFISH
K.N. Tonyushkina, S. Krug, R.O. Karlstrom

CROSS-REGULATION OF 3,5-T2 AND CORTISOL SIGNALLING PATHWAYS IN TILAPIA
P. Navarrete-Ramírez, P. Villalobos, A. Orozco

VARIABLE BROWN ADIPOSE TISSUE RESPONSE TO THE THYROID HORMONE STATUS
A. Gavrila, P. Hasselgren, A. Glasgow, A. Doyle, A. Lee, S. Gautam, J.V. Hennessey, G. Kolodny, A. Cypess

GHRELIN INHIBITS IN VITRO THYROID CELL FUNCTION
M. Moeller Brorson, B. Holst, J. Hofman-Bang, M. Harttoft-Nielsen, K. Rasmussen, U. Feldt-Rasmussen

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R. Cano, M. Agostini, L. Zavala, R. Anez, G. Corzo, L. Figueroa

ULTRASOUND-BASED DIAGNOSIS FOR CONTRALATERAL MALIGNANCY IN PREOPERATIVE PAPILLARY THYROID MICROCARCINOMA PATIENTS
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MINIMALLY INVASIVE PARATHYROIDECTOMY WITHOUT THE USE OF INTRAOPERATIVE PARATHYROID HORMONE MEASUREMENTS
J.D. Pasternak, J. Oliveria, P. Nguyen, J.M. Young

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THE USEFULNESS OF PREOPERATIVE LOCALIZATION WITH MULTIDETECTOR COMPUTED TOMOGRAPHY AND SESTAMIBI SCINTIGRAPHY IN PRIMARY HYPERPARATHYROIDISM
J.D. Pasternak, J. Oliveria, P. Nguyen, J.M. Young

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COMPARISON BETWEEN 99MTC-TR1401 AND 99MTC-TR1402 HUMAN TSH SUPERAGONIST ANALOGUES FOR IN VIVO IMAGING OF POORLY DIFFERENTIATED THYROID CANCER SHOWING UP-REGULATION OF THE TSH RECEPTOR
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Poster 300  Thyroid Nodules & Goiter  Clinical
DOES OPTIMAL TIMING EXIST FOR A REPEAT FNA BIOPSY FOLLOWING AN INITIAL NON-DIAGNOSTIC FNA?
A. Deniwar, N. Alsaleh, A. Khan, T. Thethi, A. Sholl, E. Kandil

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ACCURACY AND RELIABILITY OF BETHESDA CRITERIA RISK STRATIFICATION OF THYROID NODULES IN SURGERY PLANNING
A. Deniwar, H. Khadra, T. Thethi, K. Moroz, E. Kandil

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Poster 303  Thyroid Nodules & Goiter  Clinical
MORPHOLOGICAL EVALUATION OF THE EFFECTIVENESS OF BIPOLAR RADIOFREQUENCY ABLATION FOR NODULAR THYROID DISEASES

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ASSOCIATION BETWEEN WORSE METABOLIC CONTROL AND THYROID NODULAR DISEASE IN ELDERLY PEOPLE WITH METABOLIC SYNDROME

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RARE CASES OF PRIMARY HYPERPARATHYROIDISM INCLUDING: CARCINOMA, CYST IN MEN 1 SYNDROME, LIPOADENOMA AND ONCOCYTIC ADENOMA
N. Al-Brahim, I. Al-Kandari, A. Al-Mutairi, M. Al-Kandari

Poster 306  Thyroid Cancer  Clinical
WELL DIFFERENTIATED THYROID CARCINOMA (WDTC): CLINICO-PATHOLOGICAL ANALYSIS OF 76 CASES FROM FARWANIYA REGION IN KUWAIT
N. Al-Brahim, I. Al-Kandari, A. Al-Mutairi, T. Abou Ali, A. Al-Abdallah

Poster 307  Disorders of Thyroid Function  Case Report
SEVERE THYROTOXICOSIS IN A CHRONIC LYMPHOCYTIC LEUKEMIA PATIENT
C. choudhary, J. Jonklaas

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THYROTOXIC HYPOKALEMIC PERIODIC PARALYSIS - TWO CASES WITH DIFFERENT ETIOLOGIES AND PRECIPITANTS
V. Baskar, V.J. Sonawane, T.P. Quek

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EXTRAORDINARILY HIGH LEVELS OF RADIOIODINE IN A CASE OF GRAVES' DISEASE
S.A. Abid, B.C. Stack, A.M. Hinson, D.L. Bodenner
Poster 310  Thyroid & Development  Case Report
A RARE CASE OF ECTOPIC THYROID TISSUE IN ANTERIOR MEDIASTINUM WITH THE NORMAL CERVICAL THYROID
R.M. Patel, C. Puckett, B. Panunti

Poster 311  Thyroid Cancer  Case Report
VERTEBRAL HEMANGIOMA AND FALSE POSITIVE I-131 UPTAKE IN WELL-DIFFERENTIATED THYROID CARCINOMA
A.M. Robertson, S. Smooke-Praw

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ADULT MEDULLOBLASTOMA AND THYROID CANCER
L. chertman, M. Chertman

Poster 313  Thyroid Cancer  Case Report
CONCOMITANT RENAL CELL CARCINOMA METASTASIS TO THYROID GLAND AND THYROID ONCOCYTIC FOLLICULAR ADENOMA
R. Buzzola, M. Page, C. Manrique, A. Thiessen

Poster 314  Thyroid Hormone Action  Case Report
THYROID HORMONE RESISTANCE: A CASE REPORT
S. Dowlatshahi, S. AfsharImani, E. Sinsheimer

Poster 315  Thyroid Nodules & Goiter  Case Report
DEVELOPMENT OF GOITER AS DIAGNOSTIC CLUE IN LANGERHANS CELL HISTIOCYTOSIS
A.P. Kuker, J.R. Furst, T. Giorgadze, A. Saqi, J. Ausiello, S. Ebner

Poster 316  Thyroid Nodules & Goiter  Case Report
ROLE OF RADIOIODINE UPTAKE SCAN IN IDENTIFYING COLD NODULE IN PATIENT WITH MULTINODULAR GOITER
A. Balasingham, D. Ponnusamy, G. Chune

Short Call Poster 12  Thyroid Cancer  Clinical
RETROSPECTIVE STUDY OF SIROLIMUS AND CYCLOPHOSPHAMIDE IN PATIENTS WITH ADVANCED THYROID CANCER
P. Manohar, F. Worden, L. Beesley, J. Taylor

Short Call Poster 13  Thyroid Nodules & Goiter  Clinical
SURVEY OF THYROID HORMONES AND GOITER INCIDENCE IN ADULTS PATIENTS USING NUCLEAR MEDICINE TECHNIQUE
K. Alzimami, M. Yousef, A. Sulieman

Short Call Poster 14  Thyroid Cancer  Clinical
INTRAOPERATIVE MONITORING OF THE SUPERIOR LARYNGEAL NERVE DURING THYROIDECTOMY: A PROSPECTIVE STUDY OF 40 PATIENTS
N.C. Schmitt, B.L. Hodnett, J. Balzer, P. Thirumala, U. Duvvuri

11:30 a.m. – 12:30 p.m.  Meet the Professor Workshops
(Pre-registered selections available with mailing badge)

Spreckels Complex, Grande Hall Bldg.  Radioactive Iodine Therapy in Benign Goiter  Laszlo Hegedus
Edison Complex, Grande Hall Bldg.  What is New for Thyroid Hormone Transporters  Theo J. Visser
Hanover Room, Victorian Building  ATA Basic Science Handbook  Antonio C. Bianco
12:30 p.m. – 1:25 p.m.  
**Poster Review and Lunch on your Own**

12:30 p.m. – 1:25 p.m.  
**Ridgway Trainee Conference Lunch Session: Enhancing Your CV** (Designed for basic trainees; open to all trainees – lunch ticket required for meal)

Vice President for Research: Donald St. Germain  
Chief Scientific Officer: Giulia C. Kennedy  
Deputy Editor: Sarah Linklater

12:30 p.m. – 1:25 p.m.  
**Ridgway Trainee Conference Lunch Session: Clinical Career Tracks** (Open to all trainees – lunch ticket required for meal)

Private Practice: Susan A. Sherman  
Managed Care: Shireen Fatemi  
Academic (Clinical): Elizabeth N. Pearce  
Industry: James A. Magner

12:30 p.m. – 1:25 p.m.  
**ATA Expo Theater Presentation with MedImmune, Specialty Care Division of AstraZeneca- Clinical Considerations in Advanced Medullary Thyroid Cancer (MTC) Patient Management** (Only U.S. health care professionals are permitted to attend this program; space limited – first come, first served; lunch included)

Kate Newbold

1:00 p.m. – 3:00 p.m.  
**ATA Alliance for Patient Education Public Forum** (Open to the general public and all meeting attendees)

Sponsored by the ATA Alliance members: American Thyroid Association, Bite Me Cancer, Graves’ Disease and Thyroid Foundation, Light of Life Foundation, ThyCa: Thyroid Cancer Survivors’ Association, Inc., Thyroid Cancer Canada and Thyroid Federation International

1:30 p.m.  
**Exhibit Hall Closes**

1:30 p.m. – 2:15 p.m.  
**Paul Starr Award Lecture**  
What Can a Clinician Contribute?  
Introduction: Gregory W. Randolph

The Paul Starr Lectureship Award is in recognition of an outstanding contributor to clinical thyroldology.

2:20 p.m. – 3:20 p.m.  
**Basic Oral Abstract Session**  
Chairs: Sandra M. McLachlan and Yaron Tomer

Oral 215, Thyroid Hormone Action, Basic  
ROLES OF THYROID HORMONE-TARGET GENE HISTONE H3K79 METHYLTRANSFERASE DOT1L DURING EMBRYOGENESIS AND ADULT STEM CELL DEVELOPMENT  
Y.B. Shi

Oral 216, Thyroid & Development, Basic  
THYROID HORMONE DRIVING LARVAL CELLS MAD: THE ROLE OF C-MYC GENE FAMILY IN THYROID HORMONE-DEPENDENT INTESTINAL STEM CELL DEVELOPMENT  
T.C. Miller, M. Okada, Y. Shi

Oral 217, Thyroid & Development, Basic  
THE HISTONE METHYLTRANSFERASE PRMT1 REGULATES ADULT INTESTINAL STEM CELL DEVELOPMENT IN MICE  
J. Rodiger, Y. Zhang, Y. Shi
Oral 218, Disorders of Thyroid Function, Basic
XB130 DEFICIENCY RESULTS IN MOUSE THYROID HORMONE SYNTHESIS DISORDER

2:20 p.m. – 3:20 p.m.
Crown Room, Victorian Building

Clinical Oral Abstract Session
Chairs: Giuseppe Barbesino and Rebecca Leboeuf

Oral 219, Thyroid & Development, Clinical
PREGNANCY OUTCOMES OF EXPOSURE TO METHIMAZOLE (POEM) STUDY: AN INTERIM REPORT

Oral Abstract 220, Thyroid & Development, Translational
IS SEVERITY OF HYPOTHYROIDISM AT BIRTH ASSOCIATED WITH ABNORMAL CORTICAL DEVELOPMENT IN CHILDREN WITH CONGENITAL HYPOTHYROIDISM?
J.F. Rovet, H. Clairman, J. Lischinsky, J. Skocic

Oral Abstract 221, Disorders of Thyroid Function, Clinical
MYXEDEMA COMA DIAGNOSIS AND TREATMENT: A CASE SERIES OF 45 PATIENTS FROM 2004-2014 TREATED WITH 500MCG OF IV L-THYROXINE
K.C. Wu, C.T. Nguyen, J.S. LoPresti, D.A. Cohen

Oral Abstract 222, Disorders of Thyroid Function, Clinical
HYPERTHYROIDISM INCIDENCE VARIATION IN AND AROUND FIRST AND SUBSEQUENT PREGNANCIES: A DANISH POPULATION-BASED STUDY
S.L. Andersen, A. Carlé, J. Olsen, P. Laurberg

3:25 p.m. – 4:40 p.m.
Crown Room, Victorian Building

Clinical: Evolution of Imaging Modalities in Thyroid Cancer
Chairs: Anni Morsing and Ronald J. Koenig

Update on Sonography in Thyroid Cancer Surveillance and Novel Therapeutic Strategies for Nodal Metastases
Robert A. Lee
FDG and Beyond: Evolution of Positron-Emission Tomography in Thyroid Cancer Imaging – The Future
Trond Velde Bogsrud
Tracers in Advanced Thyroid Cancers Personalized Approaches
Anni Morsing

3:25 p.m. – 4:40 p.m.
Garden Room, Victorian Building

Basic: Thyroid Hormone Receptors: Insights from Disease Models
Chair: Graham R. Williams

Prereceptor Defects in Humans
Alexandra Dumitrescu
THRA Human Mutations
Carla Moran
THRB Human Mutations
Samuel Refetoff

4:40 p.m. – 4.55 p.m.
Carousel Room, Victorian Building

Coffee Break

4:55 p.m. – 6:10 p.m.
Crown Room, Victorian Building

Symposium: More Everyday Ethical Dilemmas for Thyroid Practitioners 2014
Moderator: Cheryl Ann Fassler

Thyroidology and the Public Trust
Loren Wisnner Greene
Informed Consent for Non-Standard or Innovative Therapies in
M. Sara Rosenthal
Thyroidology Mandatory Return of Results for the RET Mutations:
Peter Angelos
New Ethical Dilemmas for the Thyroid World
84th Annual Meeting of the American Thyroid Association
Sunday, November 2, 2014

7:30 a.m. – 8:30 a.m.  
Continental Breakfast  
Crown Room, Victorian Building

8:00 a.m. – 11:30 a.m.  
Registration Open  
Group Registration Desk  
Victorian Building

8:00 a.m. – 9:15 a.m.  
Symposium: Contemporary Evaluation and Management of Thyroid Nodules  
Chair: Melanie Goldfarb  
Crown Room, Victorian Building

Using Ultrasound to Risk Stratify Thyroid Nodules and Guide Selection for FNA  
Andrew G. Gianoukakis
Rationale Follow-up of Cytologically Benign Thyroid Nodules  
Ralf Paschke
Minimally Invasive Therapy for Benign and Malignant Nodules  
Enrico Papini

9:30 a.m. – 11:00 a.m.  
Thyroid Cancer Tumor Board Session  
Moderator: Steven I. Sherman  
Crown Room, Victorian Building

Endocrinology  
Surgery  
Nuclear Medicine  
Radiation Oncology  
Oncology  
Pathology  
Douglas W. Ball  
Ralph P. Tufano  
Daniel A. Pryma  
James D. Brierley  
Marcia S. Brose  
Yuri Nikiforov

11:00 a.m.  
84th Annual Meeting of the ATA Ends