



ATA SCIENTIFIC PROGRAM

**87th ANNUAL MEETING OF THE AMERICAN THYROID ASSOCIATION
WEDNESDAY, OCTOBER 18, 2017**

6:30 AM – 8:30 PM VCC, Registration	ATA Registration Open	
6:30 AM – 6:30 PM VCC, West Coast	ATA Speaker Ready Room Open (Open to meeting faculty only)	
7:00 AM – 3:00 PM VCC, Saanich	<u>ATA Endocrine Neck Ultrasound Course</u> (Satellite Program, separate registration required, additional fees apply, ECNU credits available) <i>Co-Chairs: Kevin T. Brumund and Stephanie L. Lee</i>	
8:00 AM – 4:00 PM Fairmont, Crystal Ballroom	<u>E. Chester Ridgway (Ridgway) Trainee Conference: Clinical Trainees Symposium</u> (Pre-registration required)	
8:00 AM – 6:00 PM VCC, Crystal Garden	ATA Exhibit and Poster Hall Open (Open for exhibitor setup only)	
8:30 AM – 2:00 PM Fairmont, Library	ATA Board of Directors' Meeting (By invitation only)	
1:00 PM – 4:00 PM VCC, Lecture Theater	<u>Ridgway Trainee Conference: Basic Trainees Symposium – Single Cell and Genomic Technologies</u> (Open to all attendees; Pre-registration required)	<i>Douglas Forrest Yun-Bo Shi Linus Tsai Hong Liu Changyu Liu Veerle M. Darras</i>
2:45 PM – 4:00 PM VCC, Salon C	ATA Committee and Task Force Meetings (Open to current serving committee or task force members only)	
5:30 PM – 5:45 PM VCC, Salon AB	Welcome to the 87th Annual Meeting of the American Thyroid Association <i>John C. Morris, ATA President Victor J. Bernet, ATA Secretary/COO Angela M. Leung, Program Committee Co-Chair Mingzhao Xing, Program Committee Co-Chair</i>	
5:45 PM – 7:30 PM VCC, Salon AB	Opening Session: Year in Thyroidology Review <i>Chair: Antonio C. Bianco</i>	
	Year in Basic Thyroidology Year in Clinical Thyroidology Year in Surgical Thyroidology	<i>Carmelo Nucera Gregory A. Brent Julie Ann Sosa</i>
7:30 PM – 9:00 PM VCC, Crystal Garden	ATA Welcome Reception in the Exhibit Hall (Meeting registration/badge required for entry; hall open to exhibitors and attendees)	

**87th ANNUAL MEETING OF THE AMERICAN THYROID ASSOCIATION
THURSDAY, OCTOBER 19, 2017**

6:00 AM – 7:45 AM VCC, Lecture Theater	Early Riser Satellite Program: Diagnosis and Management of Advanced Thyroid Cancer (Limited seating; first-come, first served; light breakfast offered)	<i>R. Michael Tuttle</i>
6:45 AM – 5:15 PM VCC, Registration	ATA Registration Open	
7:00 AM – 5:30 PM VCC, West Coast	ATA Speaker Ready Room Open (Open to meeting faculty only)	
7:00 AM – 8:00 AM VCC, Salon C	ATA Women in Thyroidology: Women and the Future of Endocrinology (Pre-registration required; ticket required for entry) <i>Chair: Honey V. Reddi</i>	<i>David S. Cooper Stephanie L. Lee</i>
8:00 AM – 8:05 AM VCC, Salon AB	Welcome to the 87th Annual Meeting of the American Thyroid Association <i>John C. Morris, ATA President Victor J. Bernet, ATA Secretary/COO Angela M. Leung, Program Committee Co-Chair Mingzhao Xing, Program Committee Co-Chair</i>	
8:05 AM – 8:50 AM VCC, Salon AB	ATA Van Meter Lecture (announced onsite at time of lecture)	
8:50 AM – 9:50 AM VCC, Salon AB	Highlighted Oral Abstracts Session (4 total abstracts) <i>Co-Chairs: Angela M. Leung and Mingzhao Xing</i>	
	Oral Abstract #1: Incident Hypothyroidism During Tyrosine Kinase Inhibitor Therapy Predicts Significantly Longer Survival in Patients with Advanced Non-Thyroid Cancers	<i>Trevor E. Angell</i>
	Oral Abstract #2: Sumoylation of TR β Plays an Essential Role in Regulation of the Hypothalamic-Pituitary-Thyroid (HPT) Axis	<i>Sujie Ke</i>
	Oral Abstract #3: TERT Mutations Increase Risk of Treatment Failure in BRAF Positive Papillary Thyroid Cancer	<i>Daria Handkiewicz-Junak</i>
	Oral Abstract #4: Combined Mycophenolate With Intravenous Methylprednisolone Therapy Is More Effective Than Intravenous Methylprednisolone Alone in Active and Moderate-to-Severe Graves' Orbitopathy – A Randomized, Observer Blind, Multicenter Trial	<i>George J. Kahaly</i>
8:50 AM – 11:45 AM Fairmont, Crystal Ballroom	<u>Ridgway Trainee Conference: Surgical Considerations in Management of the Thyroid</u> (Open to all attendees; Pre-registration required) <i>Moderator: Elizabeth G. Grubbs</i>	
9:30 AM – 4:30 PM VCC, Crystal Garden	Exhibit and Poster Hall Open (Open at 8:00 AM to poster presenters and exhibitors only)	
9:50 AM – 10:45 AM VCC, Crystal Garden	Poster Review Session and Break in the Exhibit Hall	
Poster 35	<i>Autoimmunity</i>	<i>Basic</i>
NOVEL PREVENTIVE STRATEGY FOR GRAVES' DISEASE IN NONHUMAN PRIMATES: NEONATAL TOLERANCE INDUCTION L. Wu, B.Y. Shi, X. Guan, F. Zhao, y. Wang, P. Chen, S. Hu, R. Cui, P. Hou		
Poster 36	<i>Autoimmunity</i>	<i>Translational</i>
T CELL RECEPTOR CLASSIFIER IS POTENTIALLY A USEFUL PREDICTOR FOR THE DISEASE PROGRESSION OF OPHTHALMOPATHY IN GRAVES' DISEASE Y. Wang, Y. Liu, B.Y. Shi		

- Poster 37 *Autoimmunity* *Translational*
 CREATING A RODENT MODEL OF GRAVES' DISEASE USING FUNCTIONALLY ACTIVE TSH RECEPTOR ANTIBODY
 A. Hsieh, S.V. McLennan, S. Adelstein, A. Rezaeizadeh, E.L. Chua, P.F. Williams, S.M. Twigg
- Poster 38 *Autoimmunity* *Case Report*
 HASHIMOTO'S THYROIDITIS, GRAVE'S DISEASE, SICK EUTHYROID SYNDROME AND STEROID RESPONSIVE ENCEPHALOPATHY ASSOCIATED WITH AUTOIMMUNE THYROIDITIS IN AN HIV POSITIVE PATIENT
 F. Shanaz, O. Alzohaili, C. Arsene, G. Krishnamoorthy
- Poster 39 *Autoimmunity* *Clinical*
 THE CORRELATION BETWEEN SEROLOGY AND THE HISTOPATHOLOGIC DIAGNOSIS OF CHRONIC LYMPHOCYTIC THYROIDITIS
 J.S. Erdman, M. Endo, M. Nguyen, C. Dosiou, B.J. Holmes, L.A. Orloff
- Poster 40 *Autoimmunity* *Clinical*
 DEXAMETHASONE FOR GRAVES' THYROTOXICOSIS IN THE SETTING OF MOYAMOYA VASCULITIS: A REASONABLE APPROACH
 H. Goel, H. Bakeri, K. Szczepanczyk, B. Tendler
- Poster 41 *Autoimmunity* *Clinical*
 HASHIMOTO'S ENCEPHALOPATHY PRESENTING AS STATUS EPILEPTICUS: A RARE CASE UNRESPONSIVE TO STEROIDS
 K. Szczepanczyk, H. Goel, P. Taxel
- Poster 42 *Autoimmunity* *Clinical*
 GRAVES' DISEASE AND TRENDS IN ANTIBODY TITRES AFTER TREATMENT OF TOXIC MULTINODULAR GOITRE WITH 131 RADIOACTIVE IODINE
 C.R. Barreiros, T. Pilli, F. Pacini
- Poster 43 *Thyroid Cancer* *Clinical*
 NON-FOLLICULAR AND NON-PARAFOLLICULAR MALIGNANT THYROID TUMOURS, A REVIEW OF 4 YEARS
 C.R. Barreiros, M. Carriço, C. Saraiva, C. Limbert, C. Vasconcelos
- Poster 44 *Disorders of Thyroid Function* *Basic*
 EFFECTS OF HYPERTHYROIDISM ON CONSTITUTIVE ACTIVE ACETYLCHOLINE DEPENDENT K⁺ CURRENTS IN MURINE ATRIA
 K. Cho, B. Kim
- Poster 45 *Thyroid Cancer* *Clinical*
 BRAF^{V600E} MUTATION IN FOLLICULAR VARIANT OF PAPILLARY THYROID CARCINOMA AND NON-INVASIVE FOLLICULAR TUMOR WITH PAPILLARY-LIKE NUCLEAR FEATURES (NIFTP) IN BRAF^{V600E}-PREVALENT AREA
 B. Kim, Y. Kim, K. Cho, S. Oh, E. Kim, M. Lee, J. Kim, Y. Jeon, S. Kim, I. Kim
- Poster 46 *Disorders of Thyroid Function* *Case Report*
 A RARE ACTIVATION CAUSING A CLASSIC SYNDROME
 S. A. Avadhanula, K. Araque, S. Chittimoju, P. Kundra
- Poster 47 *Disorders of Thyroid Function* *Case Report*
 THYROTOXIC PERIODIC PARALYSIS WITH URINARY INCONTINENCE
 G. Gupta, J. Kung
- Poster 48 *Disorders of Thyroid Function* *Case Report*
 THE "SKINNY" ON TYPE II AMIODARONE-INDUCED THYROTOXICOSIS: A THOUGHT-PROVOKING CASE IN A CACHECTIC PATIENT
 S. Shaik, M. Averneni, A. Drake, C. Houston, F. Cook
- Poster 49 *Disorders of Thyroid Function* *Case Report*
 IMMEDIATE LIVER TOXICITY WITH METHIMAZOLE USE
 E. Al Zahal
- Poster 50 *Disorders of Thyroid Function* *Case Report*
 THIONAMIDE RESISTANCE AND THE USE OF CHOLESTYRAMINE IN ACHIEVING A EUTHYROID STATE
 K.N. Jackson, T. Kouvatsos

- Poster 51 *Disorders of Thyroid Function* *Case Report*
 MYXEDEMA COMA MASQUERADING AS PSYCHOSIS?
 E. Valenzuela Scheker, C. Edwards, N. Singh Ospina
- Poster 52 *Disorders of Thyroid Function* *Case Report*
 PEDIATRIC PULMONARY ARTERIAL HYPERTENSION AND HYPERTHYROIDISM: TWO CASE REPORTS OF TOTAL THYROIDECTOMY AND REVIEW OF LITERATURE
 F. Saito, Y. Kubota, K. Tsuboi, H. Ogata
- Poster 53 *Disorders of Thyroid Function* *Case Report*
 USING AMIODARONE: DON'T FORGET THE THYROID
 T. Vedere, M.J. Velasco Acuna, P. Luthra
- Poster 54 *Disorders of Thyroid Function* *Case Report*
 A RARE CAUSE OF REFRACTORY GRAVES' DISEASE
 A. George, R.J. Anderson, S. Yousefian
- Poster 55 *Thyroid Cancer* *Case Report*
 MEN2A WITHOUT MEDULLARY THYROID CANCER (MTC): A RARE EVENT OR A MISNOMER?
 A. George, R.J. Anderson
- Poster 56 *Disorders of Thyroid Function* *Clinical*
 IDENTIFICATION OF NOVEL MUTATIONS IN SLC26A7 AS A CAUSATIVE DEFECT IN CONGENITAL HYPOTHYROIDISM DYSHOMONOGENESIS BY NEXT-GENERATION EXOME SEQUENCING
 M. Zou, A. Alzahrani, A. Al-Odaib, R. Al-Rijjal, H. BinEssa, A. Al-Enazi, M.S. Al-Faham, B. Meyer, Y. Shi
- Poster 57 *Disorders of Thyroid Function* *Clinical*
 GASTRIC PH AND ORAL THYROXINE REQUIREMENT: THE IN VIVO STUDY
 C. Virili, G. Bruno, M. Santaguida, B. Porowska, C. De Vito, C. Severi, M. Centanni
- Poster 58 *Disorders of Thyroid Function* *Clinical*
 THYROID HORMONE THERAPY DOES NOT IMPROVE HYPOTHYROID SYMPTOMS IN OLDER ADULTS WITH SUBCLINICAL HYPOTHYROIDISM EVEN AMONG THOSE WITH MORE SYMPTOMS AT BASELINE: THE TRUST RANDOMIZED TRIAL
 D. Bauer, N. Rodondi, P. Kearney, I. Westendorp, J. Gussekloo, I. Ford, S. Mooijaart, T. Watt, A. McConnachie, D. Stott
- Poster 59 *Disorders of Thyroid Function* *Clinical*
 CENTRAL HYPOTHYROIDISM IN PATIENTS WITH INTRACRANIAL PITUITARY AND NON-PITUITARY LESIONS IN CHILD- OR ADULTHOOD TREATED WITH OR WITHOUT IRRADIATION
 U. Feldt-Rasmussen, A. Astradson, E. Hansen Moeller, L. Poulsgaard, M. Klose, D. Marina, H. Roed, A. Rasmussen, M. Juhler
- Poster 60 *Disorders of Thyroid Function* *Clinical*
 MYOCARDIAL BIOMARKER IS ELEVATED IN THYROTOXICOSIS: A PROSPECTIVE OBSERVATIONAL STUDY USING HIGH-SENSITIVITY TROPONIN I
 N. Watanabe, J. Yoshimura Noh, N. Hattori, K. Iwaku, N. Suzuki, A. Yoshihara, H. Ohye, M. Suzuki, M. Matsumoto, Y. Kunii, C. Sekiyama, R. Tadokoro, K. Sugino, K. Ito
- Poster 61 *Disorders of Thyroid Function* *Clinical*
 INCREASED PARATHYROID HORMONE ASSAY USE HAS NOT IMPROVED SURGICAL OUTCOMES
 A.J. Ferrara, C.H. Frenkel, J. Yang, J. Pak, G. Samara
- Poster 62 *Disorders of Thyroid Function* *Clinical*
 ASSOCIATION BETWEEN DIETHYLHEXYL PHTHALATE EXPOSURE AND THYROID FUNCTION: A META-ANALYSIS
 M. Kim, S. Moon, B. Oh, D. Jung, K. Choi, J. Lim, S. Cho, Y. Park
- Poster 63 *Disorders of Thyroid Function* *Clinical*
 ANALYSIS OF CURRENT THYROID FUNCTION TESTING PRACTICES
 J. Kluesner, D. Beckman, J. Tate, M. True
- Poster 64 *Disorders of Thyroid Function* *Clinical*
 QUALITY OF LIFE IN INDIAN PATIENTS WITH GRAVES' OPHTHALMOPATHY (GO)
 S.C. Yadav, K. Delampady, V. Reddy

- Poster 65 *Disorders of Thyroid Function* *Clinical*
 AN ALTERNATIVE APPROACH IN THE MANAGEMENT OF HYPOTHYROIDISM AFTER FAILURE OF ORAL LEVOTHYROXINE
 M.E. Sevilla Alsina, M. Candelario, A. Ramirez, J. Gomez-Daspert
- Poster 66 *Disorders of Thyroid Function* *Clinical*
 A CASE OF GRAVES' DISEASE OCCURRED AFTER PERCUTANEOUS ETHANOL INJECTION THERAPY FOR A NON-TOXIC FUNCTIONING THYROID NODULE.
 T. Michigishi, S. Minami, S. Tsuji, T. Yoneyama, K. Yokoyama, N. Ueda, T. Tsukatani, H. Takeda, M. Akimoto, Y. Imamura, Y. Mizukami
- Poster 67 *Disorders of Thyroid Function* *Clinical*
 SUBCLINICAL HYPOTHYROIDISM AND DYSLIPEMIA: FREQUENCY, TYPES AND ASSOCIATED FACTORS
 M.G. Jimenez, D. Fernandez, P. Aguilera, J. Roldan, N. Bautista
- Poster 68 *Iodine Uptake & Metabolism* *Clinical*
 STUDY OF EFFECT OF IODINATED CONTRAST AGENTS ON THYROID FUNCTIONS
 S. Kumar, S.K. Jain, R. Aggarwal
- Poster 69 *Iodine Uptake & Metabolism* *Clinical*
 AN UPDATE ON URINARY IODINE CONCENTRATIONS IN BOSTON PREGNANT WOMEN
 S.Y. Lee, E. Zhabjaku, D. Willard, X. He, L. Braverman, E.N. Pearce
- Poster 70 *Iodine Uptake & Metabolism* *Clinical*
 IODINE DEFICIENCY EMERGES AMONG PREGNANT WOMEN IN SWEDEN DESPITE SALT IODINE FORTIFICATION AT 50 PPM - A NATIONAL, CROSS-SECTIONAL STUDY
 S. Manousou, M. Andersson, R. Eggertsen, L. Hulthén, H. Filipsson Nyström
- Poster 71 *Iodine Uptake & Metabolism* *Clinical*
 THE EFFECTS OF IRON AND SELENIUM IN IODINE CONTAINING MULTIVITAMINS ON THYROID RELATED COMPOUNDS DURING PREGNANCY IN SWEDEN: A RANDOMIZED PLACEBO-CONTROLLED TRIAL.
 J. Eriksson, S. Manousou, R. Eggertsen, L. Hulthén, H. Filipsson Nyström
- Poster 72 *Thyroid & Development* *Case Report*
 ISOSEXUAL PRECOCITY AND BLEEDING DIATHESIS AS THE PRESENTING FEATURE OF SEVERE PRIMARY HYPOTHYROIDISM IN CHILDHOOD
 I. Maisnam, N. Karji
- Poster 73 *Thyroid & Development* *Clinical*
 CLINICAL UTILITY OF INTRAOPERATIVE PARATHYROID SCORES SYSTEM (IPSS) IN THYROIDECTOMY
 B. Wang, W. Zhao, S. Yang, L. Zhang
- Poster 74 *Thyroid Cancer* *Basic*
 MOUSE MODELS OF SPORADIC THYROID CANCER WITH LUNG METASTASIS DERIVED FROM BRAF^{V600E} ALONE OR IN COMBINATION WITH PTEN LOSS
 Y. Nagayama, M. Shimamura, N. Shibusawa, T. Kurashige, H. Matsuzaki, M. Nakashima, M. Yamada
- Poster 75 *Thyroid Cancer* *Basic*
 MICRORNA CLUSTER MIR-17-92 PROMOTES THYROID FOLLICULAR CELLS LOSS OF DIFFERENTIATION AND MIGRATION
 C.S. Fuziwara, K.C. Saito, E.T. Kimura
- Poster 76 *Thyroid Cancer* *Basic*
 NEW EVIDENCE OF INDEPENDENT CLONAL ORIGIN IN CN0 BILATERAL PAPILLARY THYROID CANCER
 X. Su, W. Wang, K. He, J. Ruan, L. Teng
- Poster 77 *Thyroid Cancer* *Basic*
 CHEMOSENSITIZING EFFECT OF BAICALEIN WITH DOCETAXEL ON 8505C ANAPLASTIC THYROID CANCER CELLS
 E. Kim, C. Park, I. Nam-Goong, Y. Kim

- Poster 78 *Thyroid Cancer* *Basic*
 LAMB3 MEDIATES METASTATIC TUMOR BEHAVIOR IN PAPILLARY THYROID CANCER VIA REGULATING C-MET/AKT SIGNAL
 L. Liu, S. Jung, J. Chang, Y. Kang, M. Shong, B. Koo
- Poster 79 *Thyroid Cancer* *Basic*
 MICRORNA EXPRESSION IN THE RISK STRATIFICATION OF PAPILLARY THYROID CARCINOMA (PTC) IN AN AUSTRALIAN COHORT
 L.F. Olaya, B. Hookins, J. Malek, A. Gargya, R. Gupta, M. Elliott, E.L. Chua, S.V. McLennan
- Poster 80 *Thyroid Cancer* *Basic*
 ASSOCIATION OF MIRNA WITH BRAF V600E MUTATION AND HISTOPATHOLOGY FEATURES IN PAPILLARY THYROID CARCINOMA IN NEW CALEDONIA
 L.F. Olaya, T. Lee, T. Lie, C. Woolnough, D. Baron-Dubourdiou, V. Damiens, S.V. McLennan, E.L. Chua
- Poster 81 *Thyroid Cancer* *Translational*
 GROWTH ARREST BY SYNERGISTIC EFFECTS OF BET BROMODOMAIN AND MEK-ERK INHIBITORS IN ANAPLASTIC THYROID CANCER
 X. Zhu, E. Holmsen, S. Cheng
- Poster 82 *Thyroid Cancer* *Translational*
 A SELECTIVE CYCLIN-DEPENDENT KINASE 4/6 INHIBITOR, RIBOCICLIB (LEE011) INHIBITS CELL PROLIFERATION AND INDUCES APOPTOSIS IN AGGRESSIVE THYROID CANCER.
 W. Lee, H. Lee, S. Lee, H. Kim, M. Seol, C. Ku, J. Lee, Y. Jo, E. Lee
- Poster 83 *Thyroid Cancer* *Translational*
 DIGITAL PCR IS A POWERFUL TECHNIQUE TO DETECT BRAF MUTATION IN PATIENTS WITH THYROID CANCER
 K. Jensen, A. Patel, J. Costello, J. Klubo-Gwiezdzinska, A. Bikas, K.D. Burman, V. Vasko
- Poster 84 *Thyroid Cancer* *Translational*
 ALTERED METALLOPROTEINASES IN AGGRESSIVE HURTHLE CELL CARCINOMAS
 M.D. Williams, M.E. Cabanillas, M. Zafereo, G.J. Cote, B. Liu
- Poster 85 *Thyroid Cancer* *Translational*
 EXPANDED WHOLE-EXOME SEQUENCING IN A FAMILY WITH SUSPECTED NONMEDULLARY FAMILIAR THYROID CANCER
 E.U. Lima, F.O. Rego, P. Galante, F. Koyama, A. Camargo, G. Medeiros-Neto, I.G. Rubió
- Poster 86 *Thyroid Cancer* *Case Report*
 LEUKOCYTOSIS ASSOCIATED WITH ANAPLASTIC THYROID CANCER HAS AN ESPECIALLY POOR PROGNOSIS - A CASE REPORT AND SERIES FROM PUBLISHED LITERATURE
 N. Chandhok, H. Deshpande
- Poster 87 *Thyroid Cancer* *Case Report*
 ACCELERATED PROGRESSION OF METASTATIC DISEASE AFTER THERAPEUTIC OR DIAGNOSTIC TSH STIMULATION: A CASE SERIES
 J. Chiang, Z. Quandt, S. Patzek, C. Liu
- Poster 88 *Thyroid Cancer* *Case Report*
 SHORT TERM MAPK INHIBITOR TREATMENT INCREASES RADIOIODINE UPTAKE IN THYROID CANCER LUNG METASTASES
 K. Lithgow, P. Grundy, S. Ghaznavi, C.J. Symonds, D. Van Nostrand, R. Paschke
- Poster 89 *Thyroid Cancer* *Case Report*
 DON'T FORGET THE THYROID: CONCURRENCE OF PARATHYROID ADENOMA WITH MULTIFOCAL PAPILLARY THYROID CARCINOMA
 V. Alaigh, B. Tendler
- Poster 90 *Thyroid Cancer* *Case Report*
 UPPER RESPIRATORY INFECTION AS PRESENTATION FOR ANAPLASTIC THYROID CANCER
 L.E. Arzeno, O. Mahmoud, E. Nunez

- Poster 91 *Thyroid Cancer* *Case Report*
WEAKNESS AND APHASIA AS A PRESENTATION OF HURTHLE CELL CARCINOMA OF THE THYROID
L.E. Arzeno, K. Capaccione
- Poster 92 *Thyroid Cancer* *Case Report*
A CASE REPORT ILLUSTRATING THE USEFULNESS OF MOLECULAR MARKER IN ECTOPIC THYROID TISSUE
N.R. Amatya, V. Piziak, G. Chune, S. Challagulla, L. Lopez, N. Tachamo
- Poster 93 *Thyroid Cancer* *Case Report*
AN UNUSUAL CASE OF THYROID CARCINOMA
S. Topiwala, R. Agrawal
- Poster 94 *Thyroid Cancer* *Case Report*
METASTASIS IN THYROID GLAND DERIVATED FROM DIFFERENT ORIGINS
A. Orlandi, A.G. Puscar, G. Frascaroli
- Poster 95 *Thyroid Cancer* *Clinical*
PRACTICAL INITIAL RISK STRATIFICATION BASED ON LYMPH NODE METASTASES IN PEDIATRIC DIFFERENTIATED THYROID CANCER
M. Jeon, Y. Kim, T. Sung, S. Hong, Y. Cho, T. Kim, Y. Shong, W. Kim, S. Kim, J. Chung, T. Kim, W. Kim
- Poster 96 *Thyroid Cancer* *Clinical*
RE-VISITING THE ATA 2015 SONOGRAPHIC GUIDELINES: WHO ARE WE MISSING?
K. Gong, D. Chan Chun Kong, M. Roskies, R. Payne
- Poster 97 *Thyroid Cancer* *Clinical*
SECOND PRIMARY MALIGNANCY RISK IN THYROID CANCER SURVIVORS TREATED WITH RADIOACTIVE IODINE: AN UPDATED SYSTEMATIC REVIEW AND META-ANALYSIS
C. Yu, O. Saeed, A.S. Goldberg, S. Farooq, R. Fazelzad, D.P. Goldstein, R.W. Tsang, J.D. Brierley, S. Ezzat, L. Thabane, A.M. Sawka
- Poster 98 *Thyroid Cancer* *Clinical*
MOLECULAR TESTING AND ITS CLINICAL SIGNIFICANCE REGARDING MALIGNANT THYROID NODULES
M. Sasson, E. Kay-Rivest, M. Hier, V. Forest, R. Payne
- Poster 99 *Thyroid Cancer* *Clinical*
THE RISK OF THYROID CANCER AND OBESITY: A NATIONWIDE POPULATION-BASED STUDY USING THE KOREA NATIONAL HEALTH INSURANCE CORPORATION COHORT DATABASE
H. Son
- Poster 100 *Thyroid Cancer* *Clinical*
MANAGEMENT OF ADVANCED THYROID CANCER WITH MEDIASTINAL METASTASIS
Y. Lee, H. Chang, C. Park, S. Kim
- Poster 101 *Thyroid Cancer* *Clinical*
LONG-TERM RESULTS AND PROGNOSTIC FACTORS IN PATIENTS WITH PAPILLARY THYROID MICROCARCINOMA
J. Ruan, W. Wang, X. Su, Y. Chen, Y. Ding, Z. Mao, S. Chen, L. Teng
- Poster 102 *Thyroid Cancer* *Clinical*
LOCOREGIONAL DISEASE CONTROL AFTER EXTERNAL BEAM RADIOTHERAPY IN 93 PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA AND PT4 TUMOR STAGE – A SINGLE INSTITUTION EXPERIENCE
N. Besic, M. Dremelj, N. Glumac
- Poster 103 *Thyroid Cancer* *Clinical*
[F-18] FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY ACCURATELY PREDICTS BENIGN PATHOLOGY IN THYROID NODULES WITH INDETERMINATE FINDINGS ON FINE-NEEDLE ASPIRATION
M. McGilvray, F. Dehdashti, A.L. Traugott, K. Trinkaus, M.S. Cohen, E.A. Fialkowski, F. Quayle, H. Hussain, R. Davila, L. Ylagan, J.F. Moley

- Poster 104 *Thyroid Cancer* *Clinical*
 CYTOPLASMIC EXPRESSION OF GALECTIN-3 CAN DISTINGUISH MALIGNANT FROM BENIGN ENCAPSULATED PAPILLARY-FOLLICULAR THYROID TUMORS
 O. Polyakova, G. Fu, R.S. Chazen, R. Ralhan, P.G. Walfish
- Poster 105 *Thyroid Cancer* *Clinical*
 PERCUTANEOUS ULTRASOUND GUIDED RADIOFREQUENCY ABLATION IS EFFECTIVE AND SAFE FOR TREATING METASTATIC LYMPH NODES IN THE NECK FROM PAPILLARY THYROID CARCINOMA
 Y. Luo, Y. Guang, Y. Zhang, M. Zhang, N. Li, J. Tang
- Poster 106 *Thyroid Cancer* *Clinical*
 IDENTIFICATION OF ETV6 GENE REARRANGEMENT IN PAPILLARY THYROID CANCER
 J. Lim, M. Kim, S. Cho, Y. Park
- Poster 107 *Thyroid Cancer* *Clinical*
 ARE PREGNANCY, PARITY, MENSTRUATION AND BREAST FEEDING A RISK FACTOR FOR THYROID CANCER?
 H. Kim, J. Baek, K. Kim, J. Jung
- Poster 108 *Thyroid Cancer* *Clinical*
 GPR48/LGR4 IS A NEW POTENTIAL TARGET FOR THYROID CARCINOGENESIS BY REGULATING MEK/ERK AND WNT/ β -CATENIN PATHWAYS
 Y. Kang, B. Koo, L. Liu, J. Kim, h. Yi, K. Kim, M. Shong
- Poster 109 *Thyroid Cancer* *Clinical*
 PROGNOSIS AND PROGNOSTIC FACTORS FOR CANCER MORTALITY IN PATIENTS WITH LYMPH NODE METASTASES FROM PAPILLARY THYROID CARCINOMA AS A FIRST-TIME RECURRENCE
 E. Nagai, H. Kamio, Y. Yoshida, E. Noguchi, A. Sakamoto, K. Horiuchi, T. Okamoto
- Poster 110 *Thyroid Cancer* *Clinical*
 NON-INVASIVE FOLLICULAR TUMOR WITH PAPILLARY-LIKE NUCLEAR FEATURES (NIFTP): A CLINICAL-PATHOLOGICAL STUDY OF 28 CASES WITH FOLLOW UP
 N. Al-Brahim, M. Gilani, K. Al-Saleh, F. Al-Hamdan
- Poster 111 *Thyroid Cancer* *Clinical*
 DIFFERENTIATED THYROID CANCER IN CHILDREN: A UK MULTICENTRE REVIEW
 K. Lee, M. Taghavi Azar Sharabiani, J. Wadsley, V. Gill, S. Retnabai, G. Genev, L. Moss, K.L. Newbold
- Poster 112 *Thyroid Cancer* *Clinical*
 IS PROPHYLACTIC CENTRAL-COMPARTMENT NECK DISSECTION NECESSARY FOR THE PATIENTS WITH PAPILLARY THYROID MICROCARCINOMA WITHOUT SUSPICIOUS METASTASIS BY PREOPERATIVE ULTRASONOGRAPHY?
 Y. Kim
- Poster 113 *Thyroid Cancer* *Clinical*
 METASTASIS TO THE THYROID GLAND FROM CANCER OF THE CERVIX: EXPERIENCE OF A COMPREHENSIVE CANCER CENTER AND REVIEW OF THE LITERATURE
 T. Jaber, K. Pandit, M.D. Williams, D. Bodurka, M.I. Hu
- Poster 114 *Thyroid Cancer* *Clinical*
 ROBOTIC TRANSORAL THYROIDECTOMY: EXPERIENCE OF 100CASES OVER 1YEAR
 H. Kim, Y. Chai, G. Dionigi, A. Anuwong, R.P. Tufano, H. Kim
- Poster 115 *Thyroid Cancer* *Clinical*
 SMALL GLANDS IN EXPERIENCED HANDS: EARLY THYROIDECTOMY IN PEDIATRIC PATIENTS WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 2 (MEN2) OVER 24 YEAR PERIOD
 M.A. Romero Arenas, R.L. Bassett, E.G. Grubbs, R. Gagel, S.E. Waguespack, J.E. Lee, N.D. Perrier
- Poster 116 *Thyroid Cancer* *Clinical*
 25 YEARS OF THERAPY FOR PAPILLARY THYROID CANCER
 B.C. James, L. Timsina, G. Welch, D. Haggstrom

- Poster 117 *Thyroid Cancer* *Clinical*
TSH VARIABILITY IN PATIENTS AFFECTED BY DIFFERENTIATED THYROID CANCER TREATED WITH LEVOTHYROXINE LIQUID SOLUTION OR TABLET
I. Pirola, E. Gandossi, C. Casella, D. Lombardi, F. Marini, A. Cristiano, A. Delbarba, E. Muraca, B. Agosti, C. Cappelli
- Poster 118 *Thyroid Cancer* *Clinical*
FINE NEEDLE ASPIRATION OF THYROID NODULES : DIAGNOSTIC YIELD AND IMPACT OF THE AMERICAN THYROID ASSOCIATION GUIDELINES IN A TERTIARY MEDICAL CENTER
C. Guertin, M. Desrochers, C. Pelletier, N. Van Rossum, D. Bellabarba, R. Temmar, M. Massicotte
- Poster 119 *Thyroid Cancer* *Clinical*
EXTRA-THYROIDAL ANAPLASTIC THYROID CANCER: A SINGLE INSTITUTION EXPERIENCE
N.M. Iniguez Ariza, M. Ryder, J. Morris, C. Hilger, C. Dalpiaz, M.E. Menefee, R. Smallridge, T. Sebo, M. Rivera, A. Chintakuntlawar, K. Bible
- Poster 120 *Thyroid Cancer* *Clinical*
NEXT GENERATION SEQUENCING AND MIRNA EXPRESSION PROFILING OF THYROID MALIGNANCY USING MICRO DISSECTED CYTOLOGY SMEARS BY COMBINED THYGENX™ AND THYRAMIR™ TESTING
G. Kumar
- Poster 121 *Thyroid Cancer* *Clinical*
FINE-NEEDLE ASPIRATION CYTOPATHOLOGY ASSOCIATED WITH NON-INVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES: HOW TO COUNSEL PATIENTS ABOUT OPERATIVE RISK?
B. Lindeman, M.A. Nehs, A. Gawande, F.D. Moore, G.M. Doherty, N.L. Cho
- Poster 122 *Thyroid Cancer* *Clinical*
URINARY IODINE/CREATININE RATIO MEASUREMENTS PRIOR TO RADIOACTIVE IODINE ABLATION MAY PREDICT SHORT-TERM DISEASE OUTCOMES IN PATIENTS WITH DIFFERENTIATED THYROID CANCER
J.H. Li, Z.H. He, J.V. Hennessey
- Poster 123 *Thyroid Cancer* *Clinical*
THE UTILITY OF INTACT PARATHYROID HORMONE LEVEL IN PREDICTING HYPOCALCEMIA AFTER THYROIDECTOMY IN CHILDREN
W. Jiang, R. Newfield
- Poster 124 *Thyroid Cancer* *Clinical*
FOLLOW UP OUTCOMES OF THYROID NODULES WITH FOLLICULAR NEOPLASM/SUSPICIOUS FOR FOLLICULAR NEOPLASM IN AN ERA OF NONINVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES
C. Jung, M. Kim, D. Lim, S. Lee, J. Bae, S. Jung
- Poster 125 *Thyroid Cancer* *Clinical*
OUTCOME OF LOW-RISK MULTIFOCAL PAPILLARY MICROCARCINOMA AFTER HEMITHYROIDECTOMY
J. An, J. Kim, H. Kim, H. Kim, S. Baek, K. Jung, Y. Chae, S. Kim
- Poster 126 *Thyroid Cancer* *Clinical*
THE LEARNING CURVE OF TRANSORAL ENDOSCOPIC THYROIDECTOMY VESTIBULAR APPROACH (TOETVA): A COMPARISON WITH BILATERAL AXILLO-BREAST APPROACH (BABA)
J. Lee, J. Lee, Y. Choi
- Poster 127 *Thyroid Cancer* *Clinical*
LONG TERM PROGNOSIS OF DIFFERENTIATED THYROID CANCER PATIENTS ACCORDING TO EXISTENCE OF THYROIDITIS.
R. Emral, M. Sahin, I. Aydrogan, S. Gullu, M. Erdogan, D. Corapcioglu
- Poster 128 *Thyroid Cancer* *Clinical*
CALCIFICATION PATTERNS ARE ASSOCIATED WITH SERUM FREE T4 LEVELS IN PAPILLARY THYROID CARCINOMA
J. Ha, J. Lee, M. Kim, M. Kang, B. Cha, D. Lim

- Poster 129 *Thyroid Cancer* *Clinical*
 LOW-IODINE DIET AND URINE IODINE MEASUREMENTS FOR ¹³¹I TREATMENTS IN PATIENTS IN DIFFERENTIATED THYROID CANCER: A COMPARISON OF 18 CLINICAL PRACTICE GUIDELINES
 D. Turner, D. Wu, K.D. Burman, L. Wartofsky, D. Van Nostrand
- Poster 130 *Thyroid Cancer* *Clinical*
 ROBOTIC NECK SURGERY IN THE PEDIATRIC POPULATION: A CASE SERIES
 E.L. Wu, S. Kang, E. Kandil
- Poster 131 *Thyroid Cancer* *Clinical*
 OVER-TREATMENT OR UNDER-TREATMENT OF PTC? ANALYSIS OF RE-OPERATION CASES IN PUMCH
 H. Liu
- Poster 132 *Thyroid Cancer* *Clinical*
 OUTCOME OF 76 GENE CARRIERS OF HEREDITARY MEDULLARY THYROID CARCINOMA AFTER THYROIDECTOMY IN A SINGLE INSTITUTION: IMPACT OF LATE DIAGNOSIS AND RET MUTATION RISK
 L.A. Castroneves, M.R. Tavares, F.A. Correa, F.A. Vanderlei, J.M. Correia-Deur, A.A. Jorge, A.O. Hoff
- Poster 133 *Thyroid Cancer* *Clinical*
 DISTINCT PHYSICAL FEATURES OF MEN 2B ASSOCIATED WITH RET A833F MUTATION
 T.C. Freitas, F.S. Souza, M.A. Pereira, L.A. Castroneves, D.M. Lourenço Jr, F.A. Vanderlei, A.A. Jorge, M.R. Tavares, A.O. Hoff
- Poster 134 *Thyroid Cancer* *Clinical*
 THE UTILITY OF COMBINED MUTATIONS AND MICRORNA EXPRESSION PROFILING IN ASSESSING CANCER RISK IN THYROID NODULES
 A. Banizs, N. Toney, K. Haugh, C.M. Narick, S. Jackson, J.F. Silverman, S. Finkelstein
- Poster 135 *Thyroid Cancer* *Clinical*
 PERFORMANCE ATTRIBUTES OF MICRODISSECTED SLIDE-FORMAT AND DEDICATED NEEDLE ASPIRATION BIOPSY ANALYSIS OF INDETERMINATE THYROID NODULES
 S. Finkelstein, S. Jackson, G. Kumar, C.M. Narick, N. Toney
- Poster 136 *Thyroid Cancer* *Clinical*
 DIAGNOSTIC MOLECULAR PROFILING DIFFERENTIATING NONINVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES (NIFTP) FROM CLOSELY RELATED ENTITIES
 S. Finkelstein, S. Jackson, N. Toney, C.M. Narick, L. Thompson
- Poster 137 *Thyroid Cancer* *Clinical*
 SIGNIFICANCE AND MANAGEMENT OF PLEURAL DISEASE IN THYROID MALIGNANCY
 F. Kazzaz, T. Jaber, M.E. Cabanillas, N. Busaidy, S. Faiz
- Poster 138 *Thyroid Cancer* *Case Report*
 LENVATINIB ASSOCIATED BILATERAL SPONTANEOUS PNEUMOTHORACES
 F. Kazzaz, M.E. Cabanillas, S. Faiz
- Poster 139 *Thyroid Cancer* *Clinical*
 RISK STRATIFICATION OF DIFFERENTIATED THYROID CARCINOMA IN PEDIATRIC PATIENTS
 K. Kim, W. Kim, S. Lee, J. Jeong, K. Nam
- Poster 140 *Thyroid Cancer* *Clinical*
 DYNAMIC RISK STRATIFICATION IN MEDULLARY THYROID CARCINOMA : SINGLE INSTITUTION EXPERIENCES
 K. Kim, W. Kim, S. Lee, J. Jeong, K. Nam
- Poster 141 *Thyroid Cancer* *Clinical*
 SHIFTING TRENDS IN THE CLINICOPATHOLOGICAL FEATURES AND SURGICAL OUTCOMES OF MTC
 K. Kim, W. Kim, S. Lee, J. Jeong, K. Nam
- Poster 142 *Thyroid Cancer* *Clinical*
 PROGNOSTIC VALUE OF THE EIGHTH EDITION AJCC TNM CLASSIFICATION FOR DIFFERENTIATED THYROID CARCINOMA
 T. Kim, Y. Kim, H. Kim, S. Park, M. Choi, S. Park, S. Kim, J. Chung

- Poster 143 *Thyroid Cancer* *Clinical*
 REAL CLINICAL EXPERIENCE OF SORAFENIB FOR TREATMENT OF PROGRESSIVE RADIOIODINE REFRACTORY DIFFERENTIATED THYROID CARCINOMA: KOREAN MULTICENTER STUDY
 M. Kim, T. Kim, D. Shin, D. Lim, E. Kim, W. Kim, J. Chung, Y. Shong, B. Kim, W. Kim
- Poster 144 *Thyroid Cancer* *Clinical*
 CLINICOPATHOLOGIC CHARACTERISTICS AND SURGICAL OUTCOMES OF PTC PATIENTS WITH CYSTIC LATERAL LYMPH NODE METASTASES
 W. Kim, K. Kim, M. Kim, J. Choi, S. Lee, C. Lee, S. Kang, J. Lee, J. Jeong, K. Nam, W. Chung
- Poster 145 *Thyroid Cancer* *Clinical*
 CURRENT TRENDS IN THE FEATURE OF MALE THYROID CANCER: EVALUATION OF ITS PROGNOSTIC VALUE
 W. Kim, K. Kim, M. Kim, J. Choi, S. Lee, C. Lee, S. Kang, J. Lee, J. Jeong, K. Nam, W. Chung
- Poster 146 *Thyroid Cancer* *Clinical*
 YONSEI EXPERIENCE OF 5,000 TRANSAXILLARY ROBOTIC THYROIDECTOMIES
 W. Kim, K. Kim, M. Kim, J. Choi, C. Lee, J. Lee, S. Kang, J. Jeong, K. Nam, W. Chung
- Poster 147 *Thyroid Cancer* *Clinical*
 A PRAGMATIC RANDOMIZED CLINICAL TRIAL COMPARING MOLECULAR MARKERS FOR INDETERMINATE THYROID NODULES: AN INTERIM ANALYSIS
 M.J. Livhits, E.J. Kuo, K.A. Zanocco, A.M. Leung, D.S. Cheung, Y. Gofnung, M. Yeh
- Poster 148 *Thyroid Cancer* *Clinical*
 DECREASING USE OF RADIOACTIVE IODINE FOR LOW-RISK THYROID CANCER IN CALIFORNIA, 1999-2012
 K. Park, J.X. Wu, L. Du, A.M. Leung, M. Yeh, M.J. Livhits
- Poster 149 *Thyroid Cancer* *Clinical*
 PATIENTS' AND PROVIDERS' REACTIONS TO A PTMC DIAGNOSIS
 M.F. Bates, M.C. Saucke, J.L. Jennings, H.J. Khokhar, S.C. Pitt
- Poster 150 *Thyroid Cancer* *Clinical*
 SERUM THYROGLOBULIN LEVELS CAN PREDICT THE PRESENCE OF DISEASE BUT NOT THE EXTENT
 M.F. Bates, R. Randle, K.L. Long, S.C. Pitt, D. Schneider, R. Sippel
- Poster 151 *Thyroid Hormone Action* *Basic*
 DECREASED THYROID HORMONE SIGNALING IN HIPPOCAMPUS AND PRE-FRONTAL CORTEX OF RATS WITH OBESITY-INDUCED DEPRESSION IS PARTIALLY CORRECTED BY DITPA
 F.B. Lorena, J.N. Panizza, E.A. Camargo, M.O. Ribeiro, A.C. Bianco
- Poster 152 *Thyroid Hormone Action* *Case Report*
 AN INTRAVAGAL PARATHYROID CYST INDUCED HYPERCALCEMIC CRISIS
 J. Lee
- Poster 153 *Thyroid Hormone Action* *Case Report*
 SEVERE HYPERTRIGLYCERIDEMIA UNLEASHED BY LEVOTHYROXINE WITHDRAWAL IN PATIENT WITH DIFFERENTIATED THYROID CANCER
 G. Sigal, T. Tavoni, I. Brandão, R. Maranhão
- Poster 154 *Thyroid Hormone Action* *Clinical*
 THYROID HORMONE EFFECTS ON NON-INSULIN MEDIATED GLUCOSE DISPOSAL IN PATIENTS WITH INSULIN RECEPTOR MUTATIONS: PRELIMINARY RESULTS OF A SHORT AND LONG-TERM STUDY
 Y. Kushchayeva, M. Startzell, E. Cochran, W. Dieckmann, M. Skarulis, A. Cypess, T. Lin, S. Kushchayev, P. Gorden, R. Brown
- Poster 155 *Thyroid Hormone Action* *Clinical*
 BIOEQUIVALENCE OF A NEW LEVOTHYROXINE SODIUM ORAL SOLUTION IN HEALTHY VOLUNTEERS UNDER FASTING CONDITIONS
 M. Tanguay, J. Girard, C. Scarsi, G. Mautone, R. Larouche
- Poster 156 *Thyroid Hormone Metabolism & Regulation* *Basic*
 SIMULTANEOUS MEASUREMENT OF T3, TA3 AND TA4 BY ISOTOPE DILUTION – LIQUID CHROMATOGRAPHY MASS SPECTROMETRY
 R. Jongejan, M. Meima, T. Luider, R. Peeters, T. Visser, Y.B. de Rijke

- Poster 157 *Thyroid Hormone Metabolism & Regulation* *Clinical*
ISOLATED THYROID STIMULATING HORMONE ELEVATIONS ARE ASSOCIATED WITH POOR SLEEP: A CROSS-SECTIONAL AND LOGITUDINAL STUDY IN CHENGDU, CHINA
Y. Yan, J. Li, H. Tang, Y. Wang, Y. Yu
- Poster 158 *Thyroid Imaging* *Basic*
IMPACT OF CERVICAL ULTRASOUND PERFORMED BY THE SURGEON ON THE MANAGEMENT OF PATIENTS WITH THYROID DIDEASE IN BRAZIL
R.M. Nagato, P.E. Portari
- Poster 159 *Thyroid Cancer* *Case Report*
CARCINOMA SHOWING THIMUS-LIKE DIFFERENTIATION (CASTLE) OF THYROID: RARE DISEASE, LOW INDEX OF SUSPICION AND A DIFFICULT DIAGNOSE
R.M. Nagato, R.J. Carvalho, I.M. Compagnoni, P.E. Portari, R.P. Basilio, P.M. Albuquerque
- Poster 160 *Thyroid Imaging* *Clinical*
A MULTICENTER ANALYSIS ON THE EFFICACY OF AUTOFLUORESCENCE IMAGING TO DETECT PARATHYROID GLANDS
B. Kahramangil, F. Benmiloud, F. Dip, J. Falco, M. de La Fuente, S.V. Verna, R. Rosenthal, E. Berber
- Poster 161 *Thyroid Imaging* *Clinical*
INTRAOPERATIVE NEURAL MONITORING DURING THYROID SURGERY: DIFFERENCES BETWEEN TRANSAXILLARY AND CERVICAL APPROACHES
J. Crowther, D. Bu Ali, K. Mohsin, T. Ahmed, H. Alzahrani, J. Bamford, S. Kang, E. Kandil
- Poster 162 *Thyroid Nodules & Goiter* *Basic*
SIGNIFICANCE OF VASCULARIZATION OF THYROID GLAND IN DIFFUSE TOXIC GOITER
E. Gasparyan, O. Goroshko
- Poster 163 *Thyroid Nodules & Goiter* *Case Report*
THYROIDITIS SECONDARY TO DISSEMINATED BLASTOMYCOSIS
I. Casimiro, D. Sarne
- Poster 164 *Thyroid Nodules & Goiter* *Clinical*
STANDARD THYROID NODULE ULTRASOUND REPORTS PROVIDE INSUFFICIENT INFORMATION TO ESTIMATE RISK OF MALIGNANCY
C.J. Symonds, P. Seal, S. Ghaznavi, R. Paschke
- Poster 165 *Thyroid Nodules & Goiter* *Clinical*
CLINICAL OUTCOMES, ASSOCIATED RISKS, AND FUTURE LONGEVITY FOR PATIENTS SEEKING THYROID NODULE EVALUATION OVER THE AGE OF 70 YEARS
Z. Wang, C.M. Vyas, E. Marqusee, M.I. Kim, P. Larsen, E.K. Alexander, T.E. Angell
- Poster 166 *Thyroid Nodules & Goiter* *Clinical*
CYTOLOGICALLY INDETERMINATE THYROID NODULES: IMPACT OF SIZE ≥ 4 CM ON CANCER RISK
J.B. Tourtelot, L. Khazai, K. Otto, C.H. Chung, B. Centeno, B. McIver, P. Valderrabano
- Poster 167 *Thyroid Nodules & Goiter* *Clinical*
CLINICAL VALIDATION OF THE AFIRMA GENOMIC SEQUENCING BRAF V600E CLASSIFIER
T.E. Angell, J. Babiarz, N. Barth, T. Blevins, Q. Duh, R.A. Ghossein, R.M. Harrell, J. Huang, U. Imtiaz, G. Kennedy, S. Kim, R.T. Kloos, V.A. LiVolsi, K.N. Patel, G. Randolph, P.M. Sadow, M.H. Shanik, J. Sosa, S.T. Traweek, P.S. Walsh, D. Whitney, M. Yeh, P.W. Ladenson
- Poster 168 *Thyroid Nodules & Goiter* *Clinical*
CLINICAL VALIDATION OF THE AFIRMA GENOMIC SEQUENCING PARATHYROID CLASSIFIER
J. Sosa, T.E. Angell, J. Babiarz, N. Barth, T. Blevins, Q. Duh, R.A. Ghossein, R.M. Harrell, J. Huang, U. Imtiaz, G. Kennedy, S. Kim, R.T. Kloos, V.A. LiVolsi, K.N. Patel, G. Randolph, P.M. Sadow, M.H. Shanik, S.T. Traweek, P.S. Walsh, D. Whitney, M. Yeh, P.W. Ladenson
- Poster 169 *Thyroid Nodules & Goiter* *Clinical*
THYROID NODULES IN CHILDREN
N.G. Allen, N. Desai, G. Francis

- Poster 170 *Thyroid Nodules & Goiter* *Clinical*
CORRELATION OF INTRA-OPERATIVE PARATHYROID HORMONE LEVEL AND PATIENT RECOVERY TIME
S. Tsai, S. Mostoufi-Moab, K. Kazahaya, S. Adzick, S. Bauer, A. Bauer
- Poster 171 *Thyroid Nodules & Goiter* *Clinical*
EVALUATION OF THE I-131 THERAPY IN PATIENTS WITH AUTONOMOUSLY FUNCTIONING THYROID NODULES AND NORMAL TSH LEVEL
M. Lacic
- Poster 172 *Thyroid Nodules & Goiter* *Clinical*
A COMPARISON OF INDIAN AND ABROAD THYROID SURGERY WEBSITES
A. Chekavar, S. Mayilvaganan, S. Bothra, A. Agrawal
- Poster 173 *Thyroid Nodules & Goiter* *Clinical*
THYROID SURGERY OUTCOMES IN A LOW-INCOME COUNTRY: ASSESSING THE FEASIBILITY OF SHORT-TERM SPECIALTY SURGERY MODELS
K.L. Long, H. Starnes, R.J. Harding, M.R. Starks
- Short Call Poster 9 *Disorders of Thyroid Function* *Clinical*
IMPACT OF LAPAROSCOPIC SLEEVE GASTRECTOMY ON THYROID FUNCTION PROFILES IN CHINESE OBESE PATIENTS
X. Wang, L. Li, S. Qu
- Short Call Poster 10 *Disorders of Thyroid Function* *Clinical*
L-THYROXINE IN AN ORAL LIQUID OR SOFTGEL FORMULATION ENSURES MORE NORMAL SERUM LEVELS OF FREE T4 IN PATIENTS WITH CENTRAL HYPOTHYROIDISM
S. Benvenga, G. Capodicasa, S. Perelli
- Short Call Poster 11 *Thyroid & Development* *Basic*
EVALUATION AND QUALITY ASSURANCE OF EFFECTIVENESS OF AN AOTA RECOGNISED THYROID TRAINING PROGRAM FOR PRIMARY CARE PHYSICIANS IN INDIA
P. Kumar, S. Bhalla, D. Monga, T. Soni, V. Bagre, A. Koundal, S. Deshpande, A. Bhatt, N. Tandon, P. D, U. AG
- Short Call Poster 12 *Thyroid Cancer* *Basic*
THE STUDY OF DEDIFFERENTIATION PATTERN OF DTC: IS PDTC THE INTERMEDIATE STATE FROM DTC TO ATC?
W. Wei, D. Wen, T. Liao, B. Ma, y. wang, Q. Ji
- Short Call Poster 13 *Thyroid Cancer* *Translational*
LENVATINIB AND ANTI-PD-1/PD-L1 CHECKPOINT INHIBITOR COMBINATION THERAPY REDUCE TUMOR VOLUME AND IMPROVE SURVIVAL IN AN ORTHOTOPIC IMMUNOCOMPETENT MURINE MODEL OF ANAPLASTIC THYROID CANCER
B.J. Gigliotti, V. Gunda, D. Ndishabandi, Z. Zhou, S. Amin, A. Alessandrini, G. Freeman, S. Parangi
- Short Call Poster 14 *Thyroid Cancer* *Translational*
EVALUATION OF BRAFV600E LEVELS IN CELL FREE DNA (CFDNA) AS A BIOMARKER OF RESPONSE IN BRAF V600E MUTATED RADIOACTIVE IODINE REFRACTORY (RAIR) DIFFERENTIATED THYROID CANCER (DTC) TREATED WITH DABRAFENIB ALONE OR IN COMBINATION WITH TRAMETINIB
B. Konda, M.H. Shah, L. Wei, A.V. Espinosa, N.L. Busaidy, L.J. Wirth, G.A. Daniels, J.A. De Souza, J.L. Sexton, M. Beshara, T. Liu, D. Nichols, N. Snyder, C.E. Devine, C.D. Timmers
- Short Call Poster 15 *Thyroid Cancer* *Translational*
THE LANDSCAPE OF SOMATIC MUTATIONS OF MEDULLARY THYROID CANCER AS ASSESSED BY NEXT GENERATION TARGETED SEQUENCING*
C. Romei, R. Ciampi, A. Prete, T. Ramone, A. Tacito, C. Ugolini, L. Torregrossa, F. Basolo, P. Vitti, R. Elisei
- Short Call Poster 16 *Thyroid Cancer* *Clinical*
INCREASED RISK OF THYROID DIFFERENTIATED CANCER IN A POPULATION EXPOSED TO IONIZING RADIATION FOR CONGENITAL HEART DISEASE IN VERY EARLY CHILDHOOD
A. LAGRAVE-VERGNET, J. Thambo, L. Bordenave, D. Gaye, H. Trouette, S. Zerdoud, Y. Godbert, B. Catargi

- Short Call Poster 17 *Thyroid Cancer* *Clinical*
 ROSETTAGX REVEAL THYROID MIRNA CLASSIFIER IS A MORE SPECIFIC TEST THAN AFIRMA GENE
 EXPRESSION CLASSIFIER
 A.E. Walts, W.L. Sacks, M.J. Sack, H.H. Wu, M.L. Randolph, S. Bose
- Short Call Poster 18 *Thyroid Cancer* *Clinical*
 TREATMENT EXPERIENCE OF ANAPLASTIC THYROID CARCINOMA WITH LENVATINIB
 H. Mojazi Amiri, S. Liem, E. Maghami, B. Salehian
- Short Call Poster 19 *Thyroid Cancer* *Clinical*
 ASSOCIATION BETWEEN BODY MASS INDEX AND SEVERITY ACCORDING OF CLASSIFICATION OF THYROID
 CANCER
 S. Yang, K. P
- Short Call Poster 20 *Thyroid Cancer* *Clinical*
 RISK FOR THYROID CANCER RECURRENCE IS HIGHER IN MALE THAN IN FEMALE PATIENTS EVEN WHEN
 CORRECTED FOR STAGE AT PRESENTATION
 A. Zahedi, L. Bondaz, M. Rajaraman, W.D. Leslie, C. Jefford, A. McGibbon, J. Young, A. Pathak, Y. Bureau, M. Badreddine, S.
 De Brabandere, H. Fong, S. Van Uum
- Short Call Poster 21 *Thyroid Cancer* *Clinical*
 IDENTIFICATION OF PAPILLARY THYROID CANCER MICROMETASTASES IN LYMPH NODES USING A
 MULTILEVEL SECTIONING PROTOCOL AND IMPACT ON RISK OF RECURRENCE
 M. Griffin, F. Baik, M. Brandwein-Weber, M. Osorio, L. Yue, M.L. Urken
- Short Call Poster 22 *Thyroid Cancer* *Clinical*
 CHARACTERISTICS OF FOLLICULAR VARIANT PAPILLARY THYROID CARCINOMA IN A PEDIATRIC COHORT
 S. Samuels, L. Surrey, C.P. Hawkes, M. Amberge, S. Mostoufi-Moab, J.E. Langer, S. Adzick, K. Kazahaya, T. Bhatti, Z. Baloch,
 V.A. LiVolsi, A.J. Bauer
- Short Call Poster 23 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 THE ASSOCIATIONS OF URINARY COTININE-VERIFIED ACTIVE, AND PASSIVE SMOKING WITH THYROID
 FUNCTION: ANALYSIS OF POPULATION-BASED NATIONWIDE DATA
 J. Kang, E. Kong, J. Choi, J. Choi
- Short Call Poster 24 *Thyroid Nodules & Goiter* *Clinical*
 IMPLEMENTATION OF A MULTIDISCIPLINARY THYROID BIOPSY CLINIC (MTBC) REDUCES THE RATE OF NON-
 DIAGNOSTIC CYTOLOGY AND THE NUMBER OF SURGICAL REFERRALS
 J. Perdomo Rodriguez, M.P. Gilbert, A. Howard, S.R. Anderson
- Short Call Poster 25 *Thyroid Nodules & Goiter* *Clinical*
 OUTCOMES OF THYROID NODULES WITH BETHESDA III AND IV CYTOLOGY: AN INSTITUTIONAL EXPERIENCE
 OVER 5 YEARS
 K.E. Deaver, B. Haugen, C.B. Marshall

10:45 AM – 12:00 PM
 VCC, Lecture Theater

Basic Symposium: Thyroid Hormone Transporters
Chair: Peter A. Kopp

- Thyroid Hormone Transport in The Brain *Juan Bernal*
 Triac for the Treatment of MCT8 Deficiency *W. Edward Visser*
 Virus 9-Based Gene Therapy Delivery of MCT8 in the Brain *Samuel Refetoff*

10:45 AM – 12:00 PM
 VCC, Salon AB

**Clinical Symposium: New Directions in Thyroid Nodules and
 Thyroid Cancer**
Chair: Bryan R. Haugen

- An Update: The NEW Bethesda Classification System for Reporting
 Thyroid Cytopathology *Jeffrey F. Krane*
 AJCC 8th Edition Update on Differentiated Thyroid Cancer *R. Michael Tuttle*
 AJCC 8th Edition with Focus on Patient Age: Is There Actually an Age
 Cutoff? *Sanziana A. Roman*
 Moving Towards Perfection: Avoiding Unnecessary Surgery,
 Eliminating Complications, and Reducing Costs *Michael W. Yeh*

12:00 PM – 1:00 PM VCC, Crystal Garden	Exhibit Hall Closed (Lunch on your own)	
12:00 PM – 1:00 PM VCC, Saanich	Ridgway Trainees Conference: University of Southern California Thyroid Research Group Fellows Fund Basic Trainees Lunch Session – Selling Your Science (Open to all trainees; Lunch ticket required for meal) <i>Moderator: David S. Sharlin</i>	<i>Honey V. Reddi David S. Sharlin</i>
12:00 PM – 1:00 PM Fairmont, Crystal Ballroom	Ridgway Trainees Conference: Arthur Bauman Clinical Trainees Lunch Session – Setting Up a Thyroid Practice (Open to all trainees; Lunch ticket required for meal)	<i>J. Woody Sistrunk Katarzyna Piotrowska</i>
12:00 PM – 1:00 PM VCC, Oak Bay	ATA Expo Theater Presented by CBLPath/UPMC: Molecular Markers – The New Era (Limited seating; first-come, first served; lunch offered)	<i>Steven P. Hodak Yuri Nikiforov Bryan R. Haugen</i>
1:00 PM – 1:45 PM VCC, Salon AB	Lewis E. Braverman Distinguished Award Lectureship Re-Telling the Story About Thyroid Cancer – Rising Incidence, Mortality and Maybe an Explanation <i>Introduction by Tracy S. Wang</i>	<i>Julie Ann Sosa</i>
1:45 PM – 3:15 PM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Trainees Thyroid Ultrasound Course (Open to all trainees) Introduction to Thyroid Ultrasound Sonographic Assessment of Thyroid Nodules Neck Ultrasound: Beyond Nodules	<i>Tracey S. Tylee Steven P. Weitzman Alex Tessnow</i>
1:50 PM – 3:05 PM VCC, Lecture Theater	Basic/Translational Oral Abstracts Session: Autoimmune Thyroid Diseases (5 total) <i>Co-Chairs: Chao Liu and Laura Fugazzola</i> Oral Abstract #5: Interferon Alpha Triggers Autoimmune Thyroiditis via Degradation of Thyroglobulin by Cysteine Cathepsins into Immunogenic Peptides Oral Abstract #6: First Report of Tree Shrew Graves' Disease Model Oral Abstract #7: Identification of Novel Sodium Iodide Symporter (NIS) Interactors which Modulate Iodide Uptake Oral Abstract #8: Performance and Specificity of Six Immunoassays for TSH Receptor Antibodies - A Multicenter Study Oral Abstract #9: Functional AIM2 Inflammasome Expressed in Thyrocytes Are Associated with Autoimmune Thyroiditis	<i>Larissa C. Faustino Liping Wu Alice Fletcher Tanja Diana Qingling Guo</i>
1:50 PM – 3:05 PM VCC, Salon AB	Clinical Oral Abstracts Session: Iodine Status and Thyroid Function in Pregnancy (5 total) <i>Co-Chairs: Sun Y. Lee and Jorge H. Mestman</i> Oral Abstract #10: Development and Validation of a Novel Iodine-129 Tracer Method for the Safe Assessment of Iodine Absorption and Thyroidal Uptake from Oral Iodine Supplements and Foods in Humans Oral Abstract #11: Incidence of Neonatal Hyperthyroidism Among Newborns of Graves' Disease Patients Treated With Radioiodine Therapy Within Two Years Before Conception Oral Abstract #12: Different FT4 Response to HCG Under TPOAb or TgAb During First- Half Trimester Oral Abstract #13: Different Trajectories of Thyroid Function During Pregnancy: A New Approach to Look at Physiological Changes of Thyroid Function During Gestation Oral Abstract #14: The Association of Phthalate Exposure With Thyroid Function During Pregnancy: A Mixture Analysis	<i>Michael B. Zimmermann Ai Yoshihara Yuanyuan Hou Victor Pop Tim Korevaar</i>
3:05 PM – 4:00 PM VCC, Crystal Garden	Poster Review Session and Break in the Exhibit Hall	

3:05 PM – 4:00 PM VCC, Oak Bay	ATA Expo Theater Presented by Veracyte, Inc.: Leveraging Enriched Genomic Data to Develop a Next-Generation Afirma Gene Expression Classifier (Limited seating; first-come, first served)	<i>Richard T. Kloos Giulia C. Kennedy</i>
3:15 PM – 4:30 PM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Case Discussions – Thyroid Nodules (Open to all trainees) <i>Moderators: Mara Y. Roth and Steven P. Weitzman</i>	<i>Stephanie L. Lee Gregory W. Randolph Jennifer A. Sipos</i>
4:00 PM – 4:45 PM VCC, Salon AB	ATA Research Grants Session <i>Chair: Motoyasu Saji</i>	
	Exploring Genetics of Advanced Thyroid Cancer	<i>Ming Li</i>
	Cancer Progression and Therapeutic Response in a Mouse Model of Medullary Thyroid Carcinoma	<i>Sarah C. Oltmann</i>
	The Role of the Renal Na ⁺ /I ⁻ Symporter (NIS) in Iodide Metabolism and Thyroid Function	<i>Marcela Andrea Reyna-Neyra</i>
4:50 PM – 5:45 PM	Discussion-Debates/ Meet the Professor Workshops (6 total)	
VCC, Salon C	<ul style="list-style-type: none"> • DM 1: Mechanisms in Immune Pathogenesis of Thyroid Diseases <i>Moderator: Matthew D. Ringel</i> IDO1 and RET/PTC in Immune Dysregulation in Thyroid Cancer Genetic-Epigenetic Dysregulation in Autoimmune Thyroid Diseases 	<i>Ef시오 Puxeddu Yaron Tomer</i>
VCC, Colwood	<ul style="list-style-type: none"> • DM 2: Deiodinases <i>Moderator: Anthony N. Hollenberg</i> Type 3 Deiodinase in the Regulation of the Leptin-Melanocortin System and Circadian Activity Pathophysiological Relevance of Deiodinases Polymorphisms 	<i>Arturo Hernandez Antonio C. Bianco</i>
VCC, Salon AB	<ul style="list-style-type: none"> • DM 3: Effects of Drugs and Medications on TFTs <i>Moderator: Leonard Wartofsky</i> Medication Effects Biotin Effects 	<i>David H. Sarne Alicia Algeciras-Schimmich</i>
VCC, Sidney	<ul style="list-style-type: none"> • DM 4: Ethics in Thyroid Research <i>Moderator: M. Sara Rosenthal</i> Ethical dilemmas in Clinical Thyroid Research Ethical dilemmas in Basic Thyroid Research 	<i>Peter Angelos Rebecca E. Schweppe</i>
VCC, Esquimalt	<ul style="list-style-type: none"> • DM 5: Consequences of Environmental Thyroid Disruptors: Knowns and Unknowns <i>Moderator: Angela M. Leung</i> The Burden of Low-Level Environmental Thyroid Toxicants: Potential Impacts on Health Exposure to Thyroid Disruptors in Pregnancy and Infancy 	<i>Tim Korevaar Robin P. Peeters</i>
VCC, Saanich	<ul style="list-style-type: none"> • DM 6: Intraoperative Consultation of Thyroid Nodules: An Interactive Approach Between a Surgeon and a Pathologist <i>Moderator: Robert C. Smallridge</i> The Surgeon's Perspective The Pathologist's Perspective 	<i>John D. Casler Qihui Jim Zhai</i>
6:00 PM – 7:15 PM VCC, Lecture Theater	ATA Annual Business Meeting (for Active and Senior ATA members only) The annual business meeting features election results, committee reports, discussion and voting on important member issues.	

**87TH ANNUAL MEETING OF THE ATA
FRIDAY, OCTOBER 20, 2017**

6:00 AM – 7:45 AM VCC, Lecture Theater	Early Riser Satellite Symposium Presented by Quidel Corporation: TSH Receptor Antibodies – Methodology and Clinical Relevance (Limited seating; first-come, first served; light breakfast offered)	<i>George J. Kahaly J. Woody Sistrunk Tanja Diana</i>
7:30 AM – 5:15 PM VCC, Registration	ATA Registration Open	
7:30 AM – 5:30 PM VCC, West Coast	ATA Speaker Ready Room Open (Open to meeting faculty only)	
8:00 AM – 8:05 AM VCC, Salon AB	Morning Announcements	<i>Angela M. Leung Mingzhao Xing</i>
8:05 AM – 8:50 AM VCC, Salon AB	Plenary Lecture: Iodine Intake and Thyroid Diseases – Learnings in China <i>Introduction by Mingzhao Xing</i>	<i>Weiping Teng</i>
8:45 AM – 10:30 AM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Case Discussions – Thyroid Cancer (Open to all trainees) <i>Moderators: Andrew G. Gianoukakis and Alex Tessnow</i>	<i>James D. Brierley Virginia A. LiVolsi R. Michael Tuttle Lori J. Worth</i>
8:50 AM – 9:50 AM VCC, Lecture Theater	Basic/Translational Oral Abstracts Session: Thyroid Cancer (4 total) <i>Co-Chairs: Jason D. Prescott and Yufei Shi</i>	
	Oral Abstract #15: Berberine Could Inhibit Thyroid Carcinoma Cells by Inducing Mitochondrial Apoptosis, G0/G1 Cell Cycle Arrest and Suppressing Migration Via PI3K-AKT and MAPK Signaling Pathways	<i>Liang Li</i>
	Oral Abstract #16: Large Oncosomes of Anaplastic and Papillary Thyroid Cancer Cells	<i>Kenneth W. Witwer</i>
	Oral Abstract #17: Co-Evolution of Met Amplification and Hgf Overexpression Mediate Resistance to BRAFV600E Inactivation in Murine Anaplastic Thyroid Cancers and Sensitizes Them to MET Kinase Inhibitors	<i>Jeffrey A. Knauf</i>
	Oral Abstract #18: TGFβ1-Induced Radioiodine Therapy of Hepatocellular Cancer After Mesenchymal Stem Cell (MSC)-Mediated Sodium Iodide Symporter (NIS) Gene Delivery	<i>Christina Schug</i>
8:50 AM – 9:50 AM VCC, Salon AB	Clinical Oral Abstracts Session: Thyroid Dysfunction and Pediatric Thyroid Disease (4 total) <i>Co-Chairs: Yaron Tomer and Catherine A. Dinauer</i>	
	Oral Abstract #19: Graves' Disease and Its Effect on Medial Temporal Lobe Structures	<i>Mats Holmberg</i>
	Oral Abstract #20: Higher Remission Rate After Long-Term Methimazole Therapy in Patients with Graves' Disease: A Randomized Clinical Trial	<i>Fereidoun Azizi</i>
	Oral Abstract #21: Effects of Altering Levothyroxine (L-T4) Doses on Quality of Life, Mood and Cognition in L-T4 Treated Subjects: A Double-Blinded, Randomized, Controlled Trial	<i>Mary H. Samuels</i>
	Oral Abstract #22: Accuracy of Adult ATA Ultrasound Risk Stratification in Children	<i>Ana L. Creo</i>
9:30 AM – 4:30 PM VCC, Crystal Garden	Exhibit and Poster Hall Open (Open at 8:00 AM to poster presenters and exhibitors only)	
9:50 AM – 10:45 AM VCC, Crystal Garden	Poster Review Session and Break in the Exhibit Hall	

Poster 174	<i>Autoimmunity</i>	<i>Basic</i>
ENOLASE α -IMMUNIZATION CAN INDUCE THE DEVELOPMENT OF AUTOIMMUNE THYROIDITIS IN CBA/J MICE J. Li, J. Qin, Y. Xiang, Y. Lu, H. Li, R. Sun, Z. Shan, W. Teng		
Poster 175	<i>Autoimmunity</i>	<i>Translational</i>
RNASET2 TAG SNP IS ASSOCIATED WITH GRAVES' DISEASE IN THE JAPANESE POPULATION Y. Ban, T. Tozaki, Y. Kiuchi		
Poster 176	<i>Autoimmunity</i>	<i>Clinical</i>
CHOROIDAL THICKNESS CHANGES IN GRAVES' OPHTHALMOPATHY E. Cagiltay, F. Akay		
Poster 177	<i>Autoimmunity</i>	<i>Clinical</i>
ASSOCIATION BETWEEN OBESITY PHENOTYPES AND INCIDENT OF THYROID AUTOIMMUNITY: A 10-YEAR FOLLOW-UP E. Kazemian, F. Azizi, A. Amouzegar, S. Gharibzadeh		
Poster 178	<i>Autoimmunity</i>	<i>Clinical</i>
CLINICAL FEATURES IN UNTREATED HASHIMOTO'S THYROIDITIS WITH ELEVATED SERUM IMMUNOGLOBULIN G4 LEVELS IN TAIWAN W. Wu, F. Tseng		
Poster 179	<i>Autoimmunity</i>	<i>Clinical</i>
AUTOIMMUNE THYROID DISEASE IS POSITIVELY ASSOCIATED WITH NON-ALCOHOLIC FATTY LIVER DISEASE IN FEMALE: A NEW INSIGHT FROM A POPULATION-BASED STUDY SPECT-CHINA Y. Chen, Y. Chen, N. Wang, Q. Li, B. Han, Y. Lu		
Poster 180	<i>Thyroid & Development</i>	<i>Clinical</i>
THE STATUS OF THYROID DISEASES IN EAST CHINA: SPECT-CHINA (2014-2017) Y. Lu, Y. Chen, Y. Chen, N. Wang, Q. Li, H. Zhai		
Poster 181	<i>Iodine Uptake & Metabolism</i>	<i>Clinical</i>
THE STATUS OF IODIZED SALT INTAKE IN URBAN CHINESE, AND ITS LINK WITH URINARY IODINE, TPOAB AND TGAB Y. Lu, C. Chen, Y. Chen, Y. Chen, N. Wang		
Poster 182	<i>Thyroid Imaging</i>	<i>Clinical</i>
PREOPERATIVE SONOGRAPHIC FEATURES OF FOLLICULAR THYROID CARCINOMA PREDICT BIOLOGICAL BEHAVIOR X. Lai, B. Zhang, Z. Liang, Y. Jiang, J. Li, R. Zhao, X. Yang, X. Zhang, S. Zhu		
Poster 183	<i>Autoimmunity</i>	<i>Clinical</i>
A META-ANALYSIS OF HASHIMOTO'S THYROIDITIS AND BREAST CANCER RISK X. Lai, Q. Zhu, B. Zhang, J. Li, Y. Jiang		
Poster 184	<i>Disorders of Thyroid Function</i>	<i>Basic</i>
THE INFLUENCE OF GESTATIONAL STAGE OF PREGNANCY TO THYROID DYSFUNCTION IN GOITER REPLETE AND NONREPLETE AREA I. Kusriani, D. Mulyantoro, B. budiman		
Poster 185	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
SEVERE THYROIDITIS CAUSED BY NIVOLUMAB J. Way, S. Smooke		
Poster 186	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
THYROID STORM WITH NORMAL TSH SECONDARY TO IPILIMUMAB AND NIVOLUMAB M. Caldwell, S.L. Blount, V.R. Hudspeth		
Poster 187	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
CARDIOMYOPATHY AS PRIMARY MANIFESTATION OF GRAVES' DISEASE K. Araque, S.A. Avadhanula, S. Chittimoju, J. Jonklaas		

Poster 188	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
PSEUDO-HYPERTHYROIDISM FROM HIGH DOSE BIOTIN USE		
B. Tchang, S. Ebner, J. Starr		
Poster 189	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
A DIFFERENT STROKE		
S. Chittimoju, S.A. Avadhanula, K. Araque, S. Naidu		
Poster 190	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
THYROID STORM WITH FATAL MULTI ORGAN FAILURE		
R. Bhattarai, B. Dhakal, S. Jyothinagaram		
Poster 191	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
ABNORMAL THYROID FUNCTION TESTS IN A PATIENT WITH HISTORY OF AMIODARONE USE: CLINICAL CONSIDERATIONS		
M. Resman		
Poster 192	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
SUCCESSFUL TREATMENT OF PRETRIAL MYXEDEMA WITH GLUTEN-FREE DIET		
J. Abayev, I. Bernstein, E. Orlev, N. Goldenberg		
Poster 193	<i>Disorders of Thyroid Function</i>	<i>Case Report</i>
CO-EXISTING GRAVES' DISEASE WITH BENIGN STRUMA OVARII: A CASE REPORT		
L.D. Alexander, A. Leckie, K. Burton, L. Jain, M. Geary, C.H. Yu		
Poster 194	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
PREVALENCE AND TREATMENT OF HYPOTHYROIDISM: A RETROSPECTIVE ANALYSIS OF OLDER AMERICANS AGED ≥ 65 YEARS		
M. Lage, R. Espaillat, J. Vora, Z. Hepp		
Poster 195	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
FOUR OUT OF FIVE PATIENTS WITH ACUTE KIDNEY INJURY HAVE THYROID DYSFUNCTION AND A TSH < 1.92 MIU/ML IS ASSOCIATED WITH HIGHER IN-HOSPITAL MORTALITY		
M.K. Choulia, J.J. Jacob, J. Das, M. Ghosh		
Poster 196	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
POVERTY FACTORS ARE PRIMARY CAUSE OF ADMISSION FOR HYPERTHYROIDISM AT A UNIVERSITY HOSPITAL IN WEST TEXAS		
A.G. Adiga, E. Juarez-Tello, J. Lado-Abeal		
Poster 197	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
IDENTIFYING ADULT PATIENTS WITH MYXEDEMA COMA: COMPARING TWO SCORING SYSTEMS IN PATIENTS FROM SIX COLOMBIAN HOSPITALS		
C.A. Gomez Fontalvo, R. Castellanos Bueno, A. Román González, A. Pinzón Tovar, A. Castellanos Pinedo, D. Pantoja Guerrero, D. Alzate Gomez, L.M. Vera-Cala, A. Abreu Lomba, L.P. Pradilla		
Poster 198	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
INCIDENCES OF TREATMENTS FOR MODERATE-SEVERE AND SEVERE THYROID ASSOCIATED OPHTHALMOPATHY IN SWEDEN		
M. Holmberg, R. Kavand, M. Lindqvist, S. Sahlin, H. Filipsson Nyström		
Poster 199	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
SERUM FAM3B IS ELEVATED IN PATIENTS WITH OVERT HYPOTHYROIDISM AND SUBCLINICAL HYPOTHYROIDISM: A CASE-CONTROL STUDY		
H. Wang, Y. Lai, W. Teng, Z. Shan		
Poster 200	<i>Disorders of Thyroid Function</i>	<i>Clinical</i>
COMPARISON OF INCIDENT CARDIOVASCULAR EVENT RATES BETWEEN GENERIC AND BRAND L-THYROXINE FOR TREATMENT OF HYPOTHYROIDISM: A POPULATION BASED COHORT STUDY		
R. Smallridge, L. Sangaralingham, R. Mwangi, F. Kusumoto, H. Van Houten, V. Bernet		

- Poster 201 *Disorders of Thyroid Function* *Clinical*
 THE CLINICAL PRESENTATION OF PROFOUND HYPOTHYROIDISM IN AN IRISH TERTIARY REFERRAL HOSPITAL (2002-2016)
 D.T. O'Keefe, L. Martyn, M. Bell
- Poster 202 *Disorders of Thyroid Function* *Clinical*
 ELEVATED SERUM TSH IS ASSOCIATED WITH LOWER ACHIEVEMENT OF LIPID-TREATMENT GOALS IN ELDERLY EUTHYROID WOMEN WITH METABOLIC SYNDROME
 G. Brenta, E. Blanc, A. Nepote, A. Barreto, Y. Morosán Allo, C. Parisi, A. Fernández, C. Sedlinsky, C. Frigerio, P. Fossati, M. Faingold, T. Meroño, C. Musso
- Poster 203 *Disorders of Thyroid Function* *Clinical*
 EXTERNAL RADIATION THERAPY: A RARE CAUSE OF THYROIDITIS
 M. Cillo, S.N. Thosani, V.R. Lavis, A.S. Mohamed, W.H. Morrison
- Poster 204 *Disorders of Thyroid Function* *Clinical*
 STUDY OF THYROID FUNCTIONS IN PATIENTS ADMITTED IN ICU
 M. Anand, S.K. Jain, R. Aggarwal
- Poster 205 *Disorders of Thyroid Function* *Clinical*
 DOES LEVOTHYROXINE MONOTHERAPY MIMIC THE EFFECTS OF ENDOGENOUS THYROID HORMONES?
 F. Azizi, A. Amouzegar, M. Tohidi, M. Hedayati, L. Cheraghi
- Poster 206 *Iodine Uptake & Metabolism* *Clinical*
 IODINE STATUS IN BREAST AND FORMULA-FED INFANTS AND THEIR MOTHERS: IS THERE ANY DIFFERENCE?
 P. Mirmiran, P. Nazeri, Y. Mehrabi, M. Hedayati, F. Azizi
- Poster 207 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 ASSOCIATION BETWEEN THYROID FUNCTION AND DEVELOPMENT OF OBESITY PHENOTYPES IN HEALTHY EUTHYROID SUBJECTS
 F. Azizi, A. Amouzegar, E. kazemian, H. Abdi
- Poster 208 *Disorders of Thyroid Function* *Clinical*
 ORAL LIQUID L-THYROXINE (L-T4) SHOWS A BETTER EFFICACY IN COMPARISON TO TABLET FORMULATION IN PATIENTS SUBMITTED TO TOTAL THYROIDECTOMY (WITHOUT MALABSORPTION)
 P. Fallahi, S. Ferrari, F. Ragusa, G. Elia, G. Materazzi, P. Miccoli, A. Antonelli
- Poster 209 *Disorders of Thyroid Function* *Clinical*
 ORAL L-THYROXINE IN GEL CAPSULE VERSUS THE TABLET FORMULATION IN PATIENTS SUBMITTED TO TOTAL THYROIDECTOMY: PRELIMINARY DATA
 P. Fallahi, S. Ferrari, I. Ruffilli, A. Bonatti, S. Paparo, G. Materazzi, P. Miccoli, A. Antonelli
- Poster 210 *Disorders of Thyroid Function* *Case Report*
 IDIOPATHIC NECROTIZING GRANULOMAS OF THE THYROID: REPORT OF A RARE CASE
 A. Kotwal, J. Eckmann, D. Salomao, V. Fatourechi
- Poster 211 *Iodine Uptake & Metabolism* *Clinical*
 AMIODARONE INDUCED THYROTOXICOSIS REQUIRING THYROIDECTOMY: MAYO CLINIC EXPERIENCE
 A. Kotwal, J. Clark, G. Thompson, M. Richards, T. McKenzie, M. Stan
- Poster 212 *Iodine Uptake & Metabolism* *Clinical*
 INSTITUTIONAL EXPERIENCE OF COMPARISON BETWEEN SPOT URINARY IODINE CONCENTRATION AND 24-HOUR URINE IODINE CONCENTRATION
 K.B. Buddhdev, N.R. Hardy, W. Goldner
- Poster 213 *Thyroid & Development* *Basic*
 HUMAN THYROSTIMULIN IS MORE POTENT THAN HUMAN AND BOVINE TSH IN STIMULATING DIFFERENTIATION OF A MODEL PRE-OSTEOBLAST CELL SYSTEM IN VITRO
 S. Neumann, E. Eliseeva, S.J. Morgan, A. Boutin, M. Gershengorn
- Poster 214 *Thyroid & Development* *Clinical*
 EVOLUTION OF TRAB VALUES DURING PREGNANCIES AFFECTED BY GRAVES' DISEASE
 D. Luton, P. Ceccaldi, M. Banigé

- Poster 215 *Thyroid & Development* *Clinical*
 THE IMPACT OF AGE ON POST-THYROIDECTOMY VOICE AND SWALLOWING COMPLAINTS
 Z.T. Sahli, J.K. Canner, O. Najjar, E.D. Schneider, J.D. Prescott, J.O. Russell, R.P. Tufano, M.A. Zeiger, A. Mathur
- Poster 216 *Thyroid & Development* *Clinical*
 HYPOTHYROIDISM SECONDARY TO IODINE DEFICIENCY
 S. Ali, J. Samantray, C. Buggs
- Poster 217 *Thyroid Cancer* *Basic*
 THE NOVEL MUTATION OF DMBT1 P.D1667E SHOW ONCOGENIC FUNCTION IN THYROID CARCINOMA CELL LINES
 L. Han, T. Liao, J. Hu, D. Wen, N. Qu, R. Shi, W. Wei, Z. Lu, G. Sun, Y. Wang, Q. Ji
- Poster 218 *Thyroid Cancer* *Basic*
 INHIBITION OF CDK 5 BLOCKS GROWTH OF MEDULLARY THYROID TUMORS
 A. Carter, R. Telange, R. Jaskula-Sztul, S. Oltmann, J.A. Bibb
- Poster 219 *Thyroid Cancer* *Basic*
 THE EFFECT OF HIGH FAT FEEDING ON THYROID TUMORIGENESIS USING TAMOXIFEN INDUCIBLE THYROCYTE-SPECIFIC BRAF^{V600E} KNOCK IN MICE
 J. Kim, Y. Kang, H. Yi, H. Chung, J. Lee, B. Koo, M. Shong, K. Kim
- Poster 220 *Thyroid Cancer* *Basic*
 TREATMENT ALGORITHM FOR INDETERMINATE THYROID NODULES: AN ANALYSIS OF COST EFFECTIVENESS USING MOLECULAR TESTING
 E.E. Cottrill, J.S. Kim, A.L. Schilling, T. Shokri, C. Pool, M.M. Boltz, B.D. Saunders, C.S. Hollenbeak, D. Goldenberg
- Poster 221 *Thyroid Cancer* *Basic*
 METFORMIN INHIBITS THE GROWTH OF HTH74RDOX WHICH ENRICHED IN THYROID CANCER STEM CELLS BY UP-REGULATING MIRNAS
 C. Liu, G. Chen, X. Li, Y. Fu
- Poster 222 *Thyroid Cancer* *Basic*
 CDK4/6 INHIBITORS AND ANAPLASTIC THYROID CANCER: AN INVESTIGATION INTO THE RETINOBLASTOMA CANCER PATHWAY AND POTENTIAL THERAPEUTIC TARGETS
 K.A. Wong, A. Di Cristofano
- Poster 223 *Thyroid Cancer* *Basic*
 EXPRESSION OF GP78/AMFR AND ENDOCYTOSIS OF AUTOCRINE MOTILITY FACTOR IN HUMAN THYROID CANCER CELLS
 S.M. Wiseman, L.D. Kojic, K. Kasaian, S.J. Jones, B. Joshi, I.R. Nabi
- Poster 224 *Thyroid Cancer* *Clinical*
 OLDER DIFFERENTIATED THYROID CANCER PATIENTS EXHIBIT INCREASED CANCER INVASIVENESS AND NODAL METASTASES: A POSSIBLE EXPLANATION FOR THEIR WORSE PROGNOSIS
 J. Johar, H.M. Britton, K. Liu, S.M. Wiseman
- Poster 225 *Thyroid Cancer* *Basic*
 EVALUATION OF VANDETANIB ACTIVITY IN ANAPLASTIC THYROID CANCER IN VITRO AND IN VIVO
 A. Antonelli, G. Bocci, P. Fallahi, S. Ferrari, T. Di Desidero, A. Corti, S. Piaggi, G. Materazzi, R. Danesi, P. Miccoli
- Poster 226 *Thyroid Cancer* *Clinical*
 EARLY DIAGNOSIS OF LYMPH NODE METASTASES AND LONG TERM FOLLOW UP AFTER RADIOIODINE AND/OR SURGICAL TREATMENT IN PATIENTS WITH PAPILLARY OR FOLLICULAR THYROID CANCER.
 A. Antonelli, P. Fallahi, S. Ferrari, G. Elia, I. Ruffilli, G. Materazzi, P. Miccoli
- Poster 227 *Thyroid Cancer* *Translational*
 LYSYL OXIDASE (LOX) IS REGULATED BY BRAF AND IS A PROGNOSTIC MARKER FOR THYROID CANCER
 M. Boufraqueh, D. Patel, N. Nilubol, A.S. Powers, T. King, J. Shell, L. Zhang, S.K. Gara, V. Gunda, S.M. Kumar, J. Fagin, J.A. Knauf, S. Parangi, D. Venzon, M. Quezado, E. Kebebew

- Poster 228 *Thyroid Cancer* *Translational*
 BRAF MUTANT PAPILLARY THYROID CANCER CELLS WITH CONCURRENT MUTATIONS ALONG THE KRAS-RAC1 AXIS DEVELOP RESISTANCE TO BRAF(V600E)-INHIBITORS AND ARE ASSOCIATED WITH INCREASES IN EMT MARKERS
 B.P. Danysh, N. Busaidy, D. Sinha, K.W. Evans, A. Akcakanat, F. Meric-Bernstam, M.E. Cabanillas, M.D. Ringel, M.H. Shah, M. Hofmann
- Poster 229 *Thyroid Cancer* *Translational*
 ANALYSIS OF GENE AND MIRNA EXPRESSION PROFILES IN FOLLICULAR VARIANT OF PAPILLARY THYROID CARCINOMAS WITH AND WITHOUT DISTANT METASTASES
 V. Condello, L. Torregrossa, C. Sartori, M. Denaro, A.M. Poma, L. Valerio, R. Elisei, P. Vitti, P. Miccoli, F. Basolo
- Poster 230 *Thyroid Cancer* *Translational*
 EXPLORING BEYOND BRAF: UPSTREAM AND DOWNSTREAM MOLECULAR BIOMARKER EXPRESSION IN PAPILLARY THYROID CANCER
 A. Lin, L. Henke, T. DeWees, J. Schwarz, J. Pfeiffer, P. Grigsby, S. Markovina
- Poster 231 *Thyroid Cancer* *Translational*
 MOUSE MODEL OF RAI THERAPY AND USE OF SOD MIMIC BMX-001 FOR RADIO-PROTECTION
 A. Patel, E. Kosmacek, W. Goldner, R. Oberley-Deegan
- Poster 232 *Thyroid Cancer* *Translational*
 DOWN-REGULATED EXPRESSION OF UNC5D IN PAPILLARY THYROID CARCINOMA AND ITS TUMOR SUPPRESSIVE FUNCTION
 B. Han, M. Zhang, F. Sun, H. Song
- Poster 233 *Thyroid Cancer* *Translational*
 CORRELATION OF MITOCHONDRIAL PROCESS EXPRESSION AND MACIS SCORE IN PAPILLARY THYROID CANCER
 C.L. Brett, E. Thompson, X. Wang, A. Chindris, R. Smallridge
- Poster 234 *Thyroid Cancer* *Translational*
 GENETIC ANALYSIS USING NEXT GENERATION SEQUENCING IN 46 PEDIATRIC THYROID CANCER SUBJECTS: GENOTYPE-PHENOTYPE CORRELATIONS
 S. Kadakia, W. Jiang, M. Nikita, S. Cheng, R.E. Reitz, K. Qu, H.X. Li, R.O. Newbury, F.M. Hantash, R. Newfield
- Poster 235 *Thyroid Cancer* *Translational*
 HIGHLY ACCURATE DIAGNOSIS OF CANCER IN THYROID NODULES WITH THYROIDINOW NEXT-GENERATION SEQUENCING ASSAY
 A. Razavi, J. Lu, Z. Guo, F. Murad, R. Jadkarim, E. Kandil
- Poster 236 *Thyroid Cancer* *Translational*
 THE INJECTABLE PEG400-SF HYDROGEL LOADED WITH NGF AND GDNF AS A BIOACTIVE FILLER OF NERVE CONDUIT TO PROMOTE RECURRENT LARYNGEAL NERVE REGENERATION
 D. Ma, W. Dai
- Poster 237 *Thyroid Cancer* *Case Report*
 FROM THYROID ADENOMA TO METASTATIC CARCINOMA: NOT ALL BRAF MUTATIONS ARE CREATED EQUAL
 T.D. Cubb, E.Y. Ibrahim, S.I. Sherman, M.D. Williams, N. Busaidy, S.P. Weitzman
- Poster 238 *Thyroid Cancer* *Case Report*
 A CASE OF COEXISTING GRAVES' DISEASE AND MALIGNANT STRUMA OVARIUM IN WHICH A SOMATIC LOSS-OF-FUNCTION MUTATION OF THE TSH RECEPTOR WAS DEMONSTRATED
 N. Enosawa, T. Uruno, C. Sugisawa, M. Taniyama
- Poster 239 *Thyroid Cancer* *Case Report*
 INFLAMMATORY RESPONSE AFTER IMMUNOTHERAPY WITH A YEAST-CEA THERAPEUTIC CANCER VACCINE IN METASTATIC MEDULLARY THYROID CANCER
 J. Del Rivero, M. Rausckhorst, M. Bilusic, F. Karzai, J. Strauss, L. Cordes, J. Marte, A. Gramza, W. Dahut, J. Schlom, J. Gulley, R. Madan

- Poster 240 *Thyroid Cancer* *Case Report*
A CASE OF METASTATIC PAPILLARY THYROID CANCER WITH FAVORABLE OUTCOME: A-TEN-YEAR-FOLLOW-UP
A.F. Malik, A. Rivas Mejia, R. Smallridge
- Poster 241 *Thyroid Cancer* *Case Report*
MEDULLARY THYROID CANCER AS A LATE PRESENTING FEATURE IN A MEN2A PATIENT WITH RET C620G MUTATION
K. Bux, K.F. Ali, L. Olansky
- Poster 242 *Thyroid Cancer* *Case Report*
UNUSUAL PRESENTATION OF THYROID CARCINOMA
S. Akbar, P. Kadambi, J. Cohen
- Poster 243 *Thyroid Cancer* *Case Report*
FOUR CASES OF THYROGLOSSAL DUCT CYST WITH PAPILLARY CARCINOMA AT GUILLERMO ALMENARA IRIGOYEN NATIONAL HOSPITAL (LIMA, PERU) DURING THE PERIOD OF 1999 TO 2016
D.L. Aranda, M. Valcarcel, J.B. Cruz
- Poster 244 *Thyroid Cancer* *Case Report*
MULTIPLE PULMONARY NODULES DETECTED AFTER RIGHT HEMITHYROIDECTOMY DUE TO PAPILLARY MICROCARCINOMA: A CASE REPORT
J. Kim, E. Song
- Poster 245 *Thyroid Cancer* *Case Report*
HURTHLE CELL ADENOMA IN A THYROGLOSSAL CYST - A HISTOLOGICAL SURPRISE
V. Singh, P. Jaiswal
- Poster 246 *Thyroid Cancer* *Case Report*
THYROIDECTOMY UNMASKING TUBULAR NEPHROPATHY
S. Samuels, D. Levy Erez, K. Meyers, A. Bauer
- Poster 247 *Thyroid Cancer* *Case Report*
HEAD AND NECK COLLISION TUMOR IN A PATIENT WITH LI-FRAUMENI SYNDROME: A CASE REPORT
J.W. Lee, D. Farwell
- Poster 248 *Thyroid Cancer* *Case Report*
AN UNCOMMON CASE OF COWDEN SYNDROME
L. Kleess, P. Kadambi, K.D. Burman
- Poster 249 *Thyroid Cancer* *Case Report*
GENE EXPRESSION TESTING RESULTING IN EXPEDITED DIAGNOSIS OF MEDULLARY THYROID CARCINOMA IN A THYROID NODULE OF ATYPIA OF UNDETERMINED SIGNIFICANCE
J. Kim, D.S. Cheung, M. Yeh, J. Goldstein
- Poster 250 *Thyroid Cancer* *Case Report*
MINIMALLY INVASIVE FOLLICULAR THYROID CARCINOMA: NOT AN OMINOUS PATHOLOGY BUT SHOULD BE MONITORED CLOSELY
D.S. Assad, S. Ali, J. Samantray
- Poster 251 *Thyroid Cancer* *Case Report*
A RARE CASE OF ECTOPIC THYROID TISSUE REVEALED AFTER RESECTION OF FOLLICULAR VARIANT OF PAPILLARY THYROID CANCER
D.S. Assad, W. Taha
- Poster 252 *Thyroid Cancer* *Clinical*
OUTCOME PREDICTION WITH THE REVISED AJCC/UICC STAGING SYSTEM AND ATA GUIDELINES FOR THYROID CANCER
S. Kim, K. Pak, S. Shin, K. Kim, B. Kim, S. Kim, I. Kim
- Poster 253 *Thyroid Cancer* *Clinical*
BRAIN METASTASES FROM DIFFERENTIATED THYROID CARCINOMA: CURRENT THERAPIES AND OUTCOMES
C.J. Gomes-Lima, D. Wu, R. Hritani, S. Pুনukollu, S. Rao, A. Zeymo, H.N. Deeb, M. Mete, D. Van Nostrand, J. Jonklaas, K.D. Burman

- Poster 254 *Thyroid Cancer* *Clinical*
 PROMINENT RACIAL DIFFERENCES IN PAPILLARY THYROID CANCER VARIANTS AND BEHAVIOR
 V. Mehta, T.J. Ow, S. Kim, R. Smith, B. Schiff, H. In
- Poster 255 *Thyroid Cancer* *Clinical*
 INTERIM BASELINE CHARACTERISTICS OF PATIENTS FROM THE UNITED STATES ENROLLED IN RIFTOS MKI, A GLOBAL NON-INTERVENTIONAL STUDY ASSESSING THE USE OF MULTIKINASE INHIBITORS (MKIS) IN THE TREATMENT OF PATIENTS WITH ASYMPTOMATIC RADIOACTIVE IODINE-REFRACTORY DIFFERENTIATED THYROID CANCER (RAI-R DTC)
 M.S. Brose, F. Worden, D.W. Bowles, L.J. Wirth, T.K. Owonikoko, A. Gianoukakis, S.Y. Morita, F. Pitoia, J. Smit, C. Lin, M. Fellous, Y. De Sanctis, I. Sugitani, M. Schlumberger
- Poster 256 *Thyroid Cancer* *Clinical*
 IMPACT OF MOLECULAR TESTING ON SURGICAL MANAGEMENT OF INDETERMINATE THYROID NODULES
 S. Parajuli, R. Jug, S. Ahmadi, X. Jiang
- Poster 257 *Thyroid Cancer* *Clinical*
 A PHASE II MULTICENTER TRIAL OF THE MULTITARGETED KINASE INHIBITOR SULFATINIB IN ADVANCED MEDULLARY THYROID CANCER (MTC) AND RADIOIODINE (RAI)-REFRACTORY DIFFERENTIATED THYROID CANCER (DTC)
 J. Chen, Q. Ji, J. Cao, D. Ji, C. Bai, Y. Lin
- Poster 258 *Thyroid Cancer* *Clinical*
⁶⁸GA-NOTA-3PRGD2 CAN BE USED AS A PREDICTOR AND EVALUATOR IN RADIOACTIVE IODINE-REFRACTORY DIFFERENTIATED THYROID CANCER TREATED WITH APATINIB
 C. Wang, R. Cui, Z. Zhu, Y. Lin
- Poster 259 *Thyroid Cancer* *Clinical*
 CLINICAL CHARACTERISTICS OF THE PHENOTYPES IN HEREDITARY MTC ACCORDING TO ITS MUTATIONAL STATUS OF RET-PROTOONCOGENE
 K. Jung, S. Kim, Y. Kim, J. Moon, K. Yi, D. Park, H. Kim, H. Chang, Y. Park
- Poster 260 *Thyroid Cancer* *Clinical*
 CAN ULTRASONOGRAPHY PREDICT FINAL STAGE OF PAPILLARY THYROID CARCINOMA BASED ON THE 8TH EDITION OF THE AMERICAN JOINT COMMITTEE ON CANCER STAGING SYSTEM?
 C. Seong, S. Min, W. Park
- Poster 261 *Thyroid Cancer* *Clinical*
 PRETREATMENT WITH LITHIUM MAY BE ASSOCIATED WITH IMPROVED OVERALL SURVIVAL IN PATIENTS UNDERGOING DOSIMETRY-BASED RADIOACTIVE IODINE TREATMENT FOR METASTATIC DIFFERENTIATED THYROID CANCER
 H. Luo, A. Tobey, S. Auh, C. Cochran, M. Zemskova, C. Gomes Lima, D. Van Nostrand, K.D. Burman, L. Wartofsky, M. Skarulis, E. Kebebew, J. Klubo-Gwiedzinska
- Poster 262 *Thyroid Cancer* *Clinical*
 ROUTINE UTILIZATION OF INTRAOPERATIVE RECURRENT LARYNGEAL NERVE MONITORING DURING THYROID- AND PARATHYROIDECTOMY
 R. Damle, K.H. Dinh, A.L. Moore, A.C. Larkin, R.M. Quinlan, G.F. Whalen
- Poster 263 *Thyroid Cancer* *Clinical*
 EFFECTIVENESS OF RECOMBINANT HUMAN THYROTROPIN IN THE HIGH-DOSE RADIOIODINE ABLATION THERAPY OF DIFFERENTIATED THYROID CANCER
 J. Yoon, Y. An, S. Lee, E. So, J. Lee, Y. Chung
- Poster 264 *Thyroid Cancer* *Clinical*
 TARGETED NEXT GENERATION SEQUENCING AS A TOOL TO HELP DIAGNOSIS OF THYROID LESIONS
 L. Lebrun, N. D'Haene, M. Le Mercier, N. De Nève, O. Blanchard, I. Salmon
- Poster 265 *Thyroid Cancer* *Clinical*
 INDIVIDUALIZING SURGERY FOR PAPILLARY THYROID CARCINOMA BASED ON DETAILED SONOGRAPHIC ASSESSMENT OF EXTRATHYROIDAL EXTENSION
 E.J. Kuo, F. Zheng, W.J. Thi, K.A. Zanicco, M.J. Livhits, M. Yeh

Poster 266 *Thyroid Cancer* *Clinical*
 THE VALUE OF SALIVARY SCINTIGRAPHY FOR THE DIAGNOSIS OF CHRONIC SIALADENITIS FOLLOWING
 RADIOIODINE THERAPY
 Y. Chung, J. Oh, E. Choi, H.S. Jeong

Poster 267 *Thyroid Cancer* *Clinical*
 CERVICAL NECK RECURRENCE IN PATIENTS WITH UNILATERAL PAPILLARY THYROID CANCER AND
 IPSILATERAL LATERAL NECK METASTASIS
 J. Seong

Poster 268 *Thyroid Cancer* *Clinical*
 SURGEON-PERFORMED ULTRASOUND IS BENEFICIAL IN THE POSTOPERATIVE SURVEILLANCE OF THYROID
 CANCER PATIENTS
 L. Muraveika, V. Barratta, P.J. Mazzaglia

Poster 269 *Thyroid Cancer* *Clinical*
 RISK FACTOR ANALYSIS FOR LATERAL LYMPH NODE METASTASIS IN PAPILLARY THYROID
 MICROCARCINOMA
 K. Back, S. Kim, J. Kim, J. Kim, J. Choe

Poster 270 *Thyroid Cancer* *Clinical*
 EFFICACY OF LOW DOSE SORAFENIB IN ADVANCED DIFFERENTIATED NON-IODINE
 CONCENTRATING THYROID CANCER
 S. Barai, M. Ora, S. Gambhir

Poster 271 *Thyroid Cancer* *Clinical*
 THE ROLE OF PERIOPERATIVE VOCAL CORD EVALUATION WITH INDIRECT LARYNGOSCOPY
 N. Hur, J. Seong, J. Choe, J. Kim, J. Kim

Poster 272 *Thyroid Cancer* *Clinical*
 LONG-TERM FOLLOW UP OF NON-INVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE
 NUCLEAR FEATURES, A SINGLE CENTER EXPERIENCE
 J. Yang, L. Rochon, M. Tamilia

Poster 273 *Thyroid Cancer* *Clinical*
 THYROID CANCER RISK AMONGST MEN AND WOMEN PRESENTING FOR CARE AT AN INNER CITY HOSPITAL
 WITH A PREDOMINATELY MINORITY POPULATION
 M. Singh, S. Shakya, R. Trousale

Poster 274 *Thyroid Cancer* *Clinical*
 ANTICIPATED RATES OF COMPLETION THYROIDECTOMY DIFFER FROM BETHEDSA CATEGORY 5 TO 6
 AMONG CASES MEETING PRE-OPERATIVE ATA CRITERIA FOR LOW RISK CANCER
 A. Flagg, L. Rooper, P. Santhanam, M. Olson, S. Sheth, J. Bishop, J. Mammen

Poster 275 *Thyroid Cancer* *Clinical*
 THE DIFFICULTY TO COMMUNICATE WITH CHILDREN REGARDING THYROID CANCER SCREENING AFTER
 RADIATION DISASTER
 S. Midorikawa, M. Sekine, M. Ohishi, Y. Hino, M. MUrakami, A. Ohtsuru

Poster 276 *Thyroid Cancer* *Clinical*
 SURVIVAL AFTER TRACHEOLARYNGEAL SURGERY FOR ANAPLASTIC/UNDIFFERENTIATED, INSULAR AND
 SQUAMOUS CELL THYROID CANCER
 T. Semrad, M. Campbell, T. Keegan, A. Brunson, A. Semrad, D. Farwell

Poster 277 *Thyroid Cancer* *Clinical*
 MANAGEMENT OF THYROGLOSSAL DUCT CYST CARCINOMA IN CHILDREN
 K. Prickett, B. Patterson, A. Alazraki, A. Landry, L. Rapkin

Poster 278 *Thyroid Cancer* *Clinical*
 PHASE 2 STUDY OF PEMBROLIZUMAB COMBINED WITH MULTIMODAL THERAPY IN ANAPLASTIC THYROID
 CANCER
 A. Chintakuntlawar, J. Yin, R. foote, J. Kasperbauer, M. Rivera, M. Ryder, J. Morris, K. Bible

- Poster 279 *Thyroid Cancer* *Clinical*
 QUALITY OF LIFE IN THYROID CANCER SURVIVORS: NEED FOR RECOGNITION OF DISTRESSFUL FACTORS AND ITS AMELIORATION
 A. Chekavar, A. Agarwal, S. Mayilvaganan
- Poster 280 *Thyroid Cancer* *Clinical*
 DIAGNOSTIC AND MANAGEMENT CHALLENGES OF THYROID LYMPHOMA IN A TERTIARY REFERRAL CENTRE
 A. Chekavar, A. Agarwal, N. kumari, S. Nithyanand, S. Mayilvaganan, A. Verma
- Poster 281 *Thyroid Cancer* *Clinical*
 CHARACTERISTICS AND OUTCOMES OF CHILDREN AND ADOLESCENTS WITH LOW-RISK PAPILLARY THYROID CARCINOMA IN THE SEER DATABASE
 P. Mahajan, H. Danysh, D.C. Chelius, R. Venkatramani
- Poster 282 *Thyroid Cancer* *Clinical*
 CHARACTERISTICS AND OUTCOMES OF CHILDREN AND ADOLESCENTS WITH HIGH-RISK PAPILLARY THYROID CARCINOMA IN THE SEER DATABASE
 P. Mahajan, H. Danysh, D.C. Chelius, R. Venkatramani
- Poster 283 *Iodine Uptake & Metabolism* *Clinical*
 PAINFUL NECK EDEMA AFTER RADIOIODINE THERAPY FOR GRAVES' DISEASE
 D.S. Rosenthal, S.C. Kumar, A.E. Joseph, A. Lee
- Poster 284 *Thyroid Cancer* *Clinical*
 THYROID LYMPHOMA, ENLARGING ANTERIOR NECK MASS AND AIRWAY COMPROMISE
 D.S. Rosenthal, A.E. Joseph, S.C. Kumar
- Poster 285 *Thyroid Hormone Action* *Basic*
 LONG-TERM SUSTAINED DELIVERY OF LIOETHYRONINE (L-T3) WITH SUBDERMAL PRONEURA™ IMPLANTS
 S. Sreedharan, R. Patel
- Poster 286 *Thyroid Hormone Action* *Basic*
 IN VIVO EVIDENCES TOWARDS A PRO-INFLAMMATORY IMMUNE RESPONSE GENERATED BY TRIIODOTHYRONINE-STIMULATED DENDRITIC CELLS (DCS)
 V.A. Alamino, M. Montesinos, F. Soler, L. Giusiano, N. Gigena, G.A. Rabinovich, C. Pellizas
- Poster 287 *Thyroid Cancer* *Basic*
 TUMOR-STROMA INTERACTIONS REPROGRAM METABOLISM IN HUMAN ANAPLASTIC THYROID CANCER CELLS
 L. Fozzatti, V. Alamino, L. Giusiano, C. Stempin, A. Donadio, C. Pellizas
- Poster 288 *Thyroid Hormone Metabolism & Regulation* *Basic*
 GENDER-SPECIFIC GENETIC INFLUENCE ON TSH AND FT4 CONCENTRATIONS AND INTERACTIONS BETWEEN MEASUREMENTS: KNHANES 2013-2015
 Y. Lee, D. Shin, H. Shin, E. Lee
- Poster 289 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 THYROID FUNCTION IS ASSOCIATED WITH BODY MASS INDEX AND FASTING PLASMA GLUCOSE IN THAI EUTHYROID POPULATION
 A. Lertrit, L. Chailurkit, B. Ongphiphadhanakul, W. Aekplakorn, C. Sriphrapadang
- Poster 290 *Autoimmunity* *Case Report*
 A SWINGING PENDULUM: HASHIMOTO'S TO GRAVE'S DISEASE FOLLOWING R-CHOP
 K.N. Vu, T. Church, T.D. Hoang, H. Baloch, M. Shakir
- Poster 291 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 A NOVEL MOUSE PARADIGM TO MEASURE BIOAVAILABILITY OF FREE T3 AND T4 SERUM LEVELS IN OTC THYROID HEALTH SUPPLEMENTS
 K. Nadolsky, L. Pangaro, B. Reinhardt, I. Robbins, K.N. Vu, D. Brooks, H. Burch

- Poster 292 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 USE OF SERUM PARATHYROID HORMONE (PTH) AND IONIZED CALCIUM (ICA) TREND AS A PREDICTOR OF
 EARLY NEXT DAY DISCHARGE AFTER TOTAL THYROIDECTOMY
 S. Goh, A. Rao, R. Singaporewalla
- Poster 293 *Thyroid Nodules & Goiter* *Clinical*
 THE LATERAL “BACKDOOR” APPROACH TO OPEN THYROID SURGERY: A COMPARATIVE STUDY
 S. Goh, R. Singaporewalla, A. Rao
- Poster 294 *Thyroid Imaging* *Case Report*
 METASTATIC PAPILLARY THYROID CANCER TO VOCAL CORD? WHOLE BODY SCANS DON'T LIE
 S.L. Brown
- Poster 295 *Thyroid Imaging* *Clinical*
 ULTRASOUND CHARACTERISTICS OF THYROID NODULES WITH INDETERMINATE CYTOLOGY AND
 CORRELATION WITH MOLECULAR MARKER TESTING RESULTS
 P. Goundan, S.L. Lee
- Poster 296 *Thyroid Nodules & Goiter* *Basic*
 NEEDLE GAUGE AND CAPILLARY ACTION VS. ASPIRATION IN FINE NEEDLE BIOPSY OF THE THYROID: A
 SYSTEMATIC REVIEW
 W. Moss, K. Brumund
- Poster 297 *Thyroid Nodules & Goiter* *Case Report*
 A RARE CASE OF THYROID GLAND INFILTRATION FROM CHRONIC LYMPHOCYTIC LEUKEMIA/SMALL
 LYMPHOCYTIC LYMPHOMA (CLL/SLL)
 Y. Khan, S. Kadiyala, G. Dhir
- Poster 298 *Thyroid Nodules & Goiter* *Clinical*
 UTILIZATION, OUTCOMES, AND COSTS ASSOCIATED WITH THE ADOPTION OF RECOMBINANT HUMAN TSH IN
 THE UNITED STATES FOR MEDICARE PATIENTS
 M.A. Dinan, Y. Zhang, S. Reed, J.A. Sosa
- Poster 299 *Thyroid Nodules & Goiter* *Clinical*
 THYROTROPIN AND RISK OF MALIGNANCY IN FOLLICULAR THYROID NEOPLASM
 J. Han, M. Jeon, W. Kim, T. Kim, W. Kim, Y. Shong, E. Kim
- Poster 300 *Thyroid Nodules & Goiter* *Clinical*
 EFFICACY OF RADIOFREQUENCY THERMAL ABLATION FOR THE TREATMENT OF BENIGN THYROID
 NODULES ACCORDING TO DIFFERENT US PATTERN: RESULTS FROM AN ITALIAN MULTICENTER STUDY
 M. Deandrea, F. Garino, A. Mormile, P. Limone, R. Garberoglio, R. Rossetto, N. Bonelli, S. Spiezia, M. De Santis, S. Monti, M.
 Deiana, C. Cugini, G. El Dalati
- Poster 301 *Thyroid Nodules & Goiter* *Clinical*
 DIAGNOSTIC UTILITY OF MOLECULAR AND IMAGING BIOMARKERS IN CYTOLOGICALLY INDETERMINATE
 THYROID NODULES: SYSTEMATIC REVIEW AND META-ANALYSIS
 E.J. de Koster, L. de Geus-Oei, O. Dekkers, I. van Engen-van Grunsven, J. Hamming, E. van der Kleij-Corrsmit, H. Morreau, A.
 Schepers, J. Smit, W.J. Oyen, D. Vriens
- Poster 302 *Thyroid Nodules & Goiter* *Clinical*
 INCIDENTAL HYPOPARATHYROIDISM AFTER THYROID SURGERY: OUTCOME, FOLLOW-UP AND
 MANAGEMENT OF 672 PATIENTS WITH POSTOPERATIVE HYPOPARATHYROIDISM TREATED IN 3 ENDOCRINE
 CENTERS IN GERMANY
 M. Grussendorf, B. Stamm, N. Stamm, H. Siggelkow
- Poster 303 *Thyroid Nodules & Goiter* *Clinical*
 TREATMENT PREFERENCES AND DECISION MAKING IN PATIENTS DIAGNOSED WITH INDETERMINATE
 THYROID NODULES
 L.E. Stahl, M. Carr, D. Goldenberg, J.R. Schubart
- Poster 304 *Thyroid Nodules & Goiter* *Clinical*
 ENDOSCOPIC TRANSAXILLARY THYROIDECTOMY USING A MODIFIED 4-PORT TECHNIQUE
 R. Singaporewalla, S. Goh, A. Rao

- Poster 305 *Thyroid Nodules & Goiter* *Clinical*
 RETROSPECTIVE APPLICATION OF THE 2015 AMERICAN THYROID ASSOCIATION GUIDELINES FOR
 ULTRASOUND CLASSIFICATION, BIOPSY INDICATIONS AND FOLLOW UP IMAGING OF THYROID NODULES:
 CAN IMPROVED REPORTING DECREASE TESTING?
 M. Mohammadi, C. Betel, K. Burton, K.M. Higgins, Z. Ghorab, I.J. Halperin
- Poster 306 *Thyroid Nodules & Goiter* *Clinical*
 FREQUENCY OF FOLLOW UP OF BENIGN THYROID NODULES: CAN WE DO LESS?
 M. Mohammadi, Z. Ghorab, K.M. Higgins, I.J. Halperin
- Poster 307 *Thyroid Nodules & Goiter* *Clinical*
 A NOVEL TECHNIQUE OF INTRAOPERATIVE NERVE MONITORING DURING FULLY ENDOSCOPIC
 TRANSAXILLARY THYROIDECTOMY
 A.D. Rao, R. Singaporewalla, S. Goh, W. Sim
- Poster 308 *Thyroid Nodules & Goiter* *Clinical*
 INITIAL LEARNING CURVE EXPERIENCE WITH TRANSAXILLARY ENDOSCOPIC THYROIDECTOMY:
 COMPARABLE RESULTS TO CONVENTIONAL TECHNIQUE
 A.D. Rao, R.M. Singaporewalla, S. Goh, W. Sim
- Poster 309 *Thyroid Nodules & Goiter* *Clinical*
 DECODING THYROID NODULES: GENETIC TESTING AND ARFI ELASTOGRAPHY
 K. Mohsin, F. Murad, D. Bu Ali, D. Monlezun, E. Kandil
- Poster 310 *Thyroid Cancer* *Clinical*
 ASSOCIATION OF TSH LEVELS AND RISK OF THYROID CANCER
 K. Mohsin, F. Murad, D. Bu Ali, T. Tran, T. Mallik, R.M. Kholmatov, D. Monlezun, E. Kandil
- Poster 311 *Thyroid Nodules & Goiter* *Clinical*
 COMPLICATIONS OF TOTAL THYROIDECTOMY IN GRAVES' DISEASE PATIENTS
 K. Mohsin, E. Kandil
- Short Call Poster 26 *Autoimmunity* *Basic*
 ANTIGENICITY OF A MAJOR TSH RECEPTOR SPLICE-VARIANT
 R. Latif, M. Mezei, R. Ma, T.F. Davies
- Short Call Poster 27 *Disorders of Thyroid Function* *Clinical*
 EMPATHY: A NEW TOOL FOR IDENTIFYING THE MOST SUITABLE THYROXIN FORMULATION IN
 HYPOTHYROID PATIENTS
 G. Bellastella, M. Caputo, M. Maiorino, O. Casciano, D. Giugliano, K. Esposito
- Short Call Poster 28 *Thyroid Cancer* *Basic*
 MICRORNA-146B-3P PROMOTES CELL METASTASIS BY DIRECTLY TARGETING NF2 IN HUMAN PAPILLARY
 THYROID CANCER
 C. Yu, D. Luo, L. Zhang, F. Yan, J. Zhao
- Short Call Poster 29 *Thyroid Cancer* *Translational*
 MICROBIAL MIMETICS FOR IMMUNOTHERAPY OF MTC: EPITOPE VALIDATION AND IN VIVO EFFICACY IN A
 SYNGENEIC TUMOR MODEL DERIVED FROM THE P250E CELL LINE
 T.A. Erickson
- Short Call Poster 30 *Thyroid Cancer* *Translational*
 DIGITAL IMAGE ANALYSIS OF PROGRAMMED DEATH-LIGAND 1 EXPRESSION PROVIDES A TECHNICAL
 ADVANCE IN THE DIAGNOSIS OF THE THYROID CANCER AMONG ENCAPSULATED FOLLICULAR LESIONS
 A. Hsieh, O. Polyakova, G. Fu, R.S. Chazen, C. MacMillan, R. Ralhan, P.G. Walfish
- Short Call Poster 31 *Thyroid Cancer* *Clinical*
 BRAF TESTING IN CONJUNCTION WITH THE ROSETTAGX REVEAL MIRNA CLASSIFIER FROM A SINGLE FNA
 SMEAR
 E. Meiri, D. Lebanony, G. Lithwick-Yanai, S. Tabak, E. Kadosh, M. Motin, T. Cohen, S. Kredon-Russo, M. Kushnir, T.
 Schnitzer-Perlman, I. Lieder, H. Benjamin, N. Massoll, H. Marmor

- Short Call Poster 32 *Thyroid Cancer* *Clinical*
 EXPLORING OF A NOVEL METHOD OF IDENTIFYING PARATHYROID GLANDS
 J. Wu, P. Wang, Y. Tang, H. Wang, H. Liu, Y. Zhang, W. Zhang, L. Chen, Z. Xu, X. Yao
- Short Call Poster 33 *Thyroid Cancer* *Clinical*
 QUESTIONING THE QUALITY OF ONLINE THYROID CANCER INFORMATION
 K. Chang, E.G. Grubbs, P. Ingledew
- Short Call Poster 34 *Thyroid Cancer* *Clinical*
 CIRCULATING BRAFV600E CELL-FREE DNA (CFDNA) DETECTED BY DROPLET DIGITAL PCR (DDPCR) AS A BIOMARKER FOR MONITORING RESPONSE TO THERAPY IN THE MANAGEMENT OF BRAF MUTATED (BRAFM) ANAPLASTIC THYROID CARCINOMA (ATC) PATIENTS (PTS)
 P. Iyer, G.J. Cote, R. Dadu, N.L. Busaidy, R. Ferrarotto, K.R. Hess, M. Gule-Monroe, V. Subbiah, M. Hofmann, N.D. Gross, M. Zafereo, M.E. Cabanillas
- Short Call Poster 35 *Thyroid Cancer* *Clinical*
 REGIONAL VARIATION IN INITIAL SURGICAL TREATMENT OF WELL-DIFFERENTIATED THYROID CANCER: IS THERE AN IMPACT ON RECURRENCE?
 A. Pathak, R. Singarayer, W.D. Leslie, M. Rajaraman, A. Maniakas, C. Jefford, A. McGibbon, J. Young, A. Zahedi, Y. Bureau, M. Badreddine, S. De Brabandere, H. Fong, S. Van Uum
- Short Call Poster 36 *Thyroid Cancer* *Clinical*
 THE INCIDENCE AND RISK FACTORS OF PARATHYROID AUTOGRAFT IN THYROID CANCER SURGERY, DOES GRAFT NUMBER AFFECT OUTCOME?
 Y. Xie, Y. Liu
- Short Call Poster 37 *Thyroid Cancer* *Clinical*
 BONE METASTASIS OF DIFFERENTIATED THYROID CANCER: CRITICAL ROLE OF IODINE 131
 S.E. Bouyoucef
- Short Call Poster 38 *Thyroid Cancer* *Clinical*
 ANALYTICAL PERFORMANCE OF THE THYROSEQ® VERSION 3 GENOMIC CLASSIFIER FOR CANCER DIAGNOSIS IN THYROID NODULES
 M. Nikiforova, M. Barbi De Moura, A. Wald, K. Callenberg, L. Santana dos Santos, S. Roy, W. Gooding, Y. Nikiforov
- Short Call Poster 39 *Thyroid Hormone Action* *Basic*
 LONG-TERM DOSING WITH THE THYROID HORMONE RECEPTOR AGONIST VK0214 REDUCES VLCFA LEVELS IN PLASMA AND TISSUE IN AN IN VIVO MODEL OF X-LINKED ADRENOLEUKODYSTROPHY
 H. Masamune, A.B. Moser, P. Watkins, A. Fatemi, X. Shi, B. Lian
- Short Call Poster 40 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 CIRCANNUAL VARIABILITY OF THYROID AXIS FUNCTION BASED UPON TSH RESULTS FROM HYPOTHYROID-TREATED AND HEALTHY INDIVIDUALS OVER TIME
 J.E. Arbelle, A. Cohen, A. Porath
- Short Call Poster 41 *Thyroid Imaging* *Clinical*
 DIAGNOSTIC VALUE OF ULTRASOUND ELASTOGRAPHY AND COLOR DOPPLER IN THE DETECTION OF MALIGNANT TUMORS OF THE THYROID GLAND
 L. Aghabayli, A. Ibrahimov, A. Aghabayli, F. Ismayilova
- Short Call Poster 42 *Thyroid Imaging* *Clinical*
 SPECT WITH REGION GROWING BASED SEGMENTATION ALGORITHM TECHNIQUES PERFORMS BETTER THAN PLANAR IMAGING IN WEIGHT EVALUATION OF THYROID MODEL
 H. Li, Y. Zhang, X. Li, Y. Lin
- Short Call Poster 43 *Thyroid Nodules & Goiter* *Clinical*
 ANALYTICAL PERFORMANCE OF AFIRMA GSC: A GENOMIC SEQUENCING CLASSIFIER FOR CYTOLOGY-INDETERMINATE THYROID NODULE FNA SPECIMENS
 Z. Hu, Y. Choi, T. Liu, J. Babiarz, E. Tom, C. Marchisano, J. Huiras, H. Jiang, M. Cao, M.G. Wong, G. Fedorowicz, J. Anderson, S. Kim, N. Barth, J. Huang, G. Kennedy, P.S. Walsh

9:50 AM – 10:35 AM VCC, Lecture Theater	Highlights of ATA VideoEndocrinology <i>Moderator: Gerard M. Doherty</i>	
	Lateral Neck Dissection for Thyroid Cancer Central Neck Dissection for Thyroid Cancer Remote Access Thyroid Surgery	<i>Maisie L. Shindo Ralph P. Tufano William Barry Inabnet</i>
10:45 AM – 12:00 PM VCC, Lecture Theater	Basic Symposium: Modulation of TSHR in Thyroid Disease <i>Moderator: Antonio Di Cristofano</i>	
	TSHR and IGF1-R Crosstalk TSHR Neutral Antibodies Central Tolerance to the TSHR and Graves' Disease	<i>Marvin C. Gershengorn Syed Morshed Ricardo Pujol-Borrell</i>
10:45 AM – 12:00 PM VCC, Salon AB	Clinical Symposium: Thyroid Dysfunction Grand Rounds – Case Discussions <i>Moderator: Mary Samuels</i>	
	<i>Panelists: Anne R. Cappola, Stephanie L. Lee, John C. Morris, Paul W. Ladenson and Douglas S. Ross</i>	
12:00 PM – 1:00 PM VCC, Crystal Garden	Exhibit Hall Closed (Lunch on your own)	
12:00 PM – 1:00 PM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: All Trainees Lunch Session – How to Get Your Work Published (Open to all trainees; Lunch ticket required for meal)	<i>Peter A. Kopp</i>
12:00 PM – 1:00 PM VCC, Oak Bay	ATA Expo Theater Presented by Sanofi Genzyme: Employing Thyroglobulin Assay for Risk Stratification in the Management of Differentiated Thyroid Cancer (Limited seating; first-come, first served; lunch offered)	<i>Leonard Wartofsky</i>
1:00 PM – 1:45 PM VCC, Salon AB	Paul Starr Award Lecture Technical and Technological Advances that Changed Thyroid Surgery <i>Introduction by Gerard M. Doherty</i>	<i>Quan-Yang Duh</i>
1:50 PM – 3:05 PM VCC, Lecture Theater	Basic Symposium: MicroRNAs in Thyroid Cancer <i>Moderator: Electron Kebebew</i>	
	Integrated Genomic Analysis in Thyroid FNA MicroRNA in Thyroid Follicular Cell Differentiation and Carcinogenesis MicroRNA-LOX-SLUG Axis in Thyroid Cancer Progression	<i>Thomas Giordano Pilar Santisteban Myriem Boufraqueh</i>
1:50 PM – 3:05 PM VCC, Salon AB	Clinical Symposium: Thyroid and Pregnancy <i>Chair: John H. Lazarus</i>	
	Subclinical Hypothyroidism in Pregnancy: Implications and Controversies Is Pregnancy a Risk Factor for Thyroid Cancer Progression? 2017 ATA Thyroid in Pregnancy Guidelines	<i>Spyridoula Maraka Luba Rakhlin Elizabeth N. Pearce</i>
1:50 PM – 3:20 PM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Case Discussions – Thyroid Function (Open to all trainees) <i>Moderators: Tracey S. Tylee and Jennifer A. Morrison</i>	<i>Catherine A. Dinauer Peter A. Singer Leonard Wartofsky</i>
3:05 PM – 4:00 PM VCC, Crystal Garden	Poster Review Session and Break in the Exhibit Hall	

3:05 PM – 4:00 PM VCC, Oak Bay	ATA Expo Theater Presented by Interpace Diagnostics: Advances in Molecular Testing of Indeterminate Thyroid Nodules – ThyGenX® and ThyraMIR® (Limited seating; first-come, first served)	<i>Thomas J. Fahey David Lieu</i>
4:00 PM – 4:15 PM VCC, Salon AB	Presentation of ATA Awards <i>Presented by John C. Morris, ATA President</i>	
	2017 ATA Distinguished Service Award 2017 John B. Stanbury Thyroid Pathophysiology Medal	<i>Bryan R. Haugen James A. Fagin</i>
4:15 PM – 5:00 PM VCC, Salon AB	Clark T. Sawin Historical Vignette 1967-2017: From Resistance to Thyroid Hormone to Thyroid Hormone Receptors <i>Moderator: Peter Kopp; Introduction by Donald St. Germain</i>	<i>Samuel Refetoff Gilbert H. Daniels Douglas Forrest Carla Moran</i>
5:05 PM – 6:00 PM VCC, Salon AB	Discussion-Debates/ Meet the Professor Workshops (6 total)	
	<ul style="list-style-type: none"> • DM 7: Radioiodine-Refractory Thyroid Cancer <i>Moderator: Naifa Lamki Busaidy</i> Genetic Backgrounds and Mechanisms of Radioiodine-Refractory Thyroid Cancer Targeting Signaling Pathways to Restore Radioiodine Avidity of Thyroid Cancer 	<i>Yan-Song Lin Sissy M. Jhiang</i>
VCC, Sidney	<ul style="list-style-type: none"> • DM 8: Stem Cells in Thyroidology <i>Moderator: Sheue-yann Cheng</i> Differentiation of Human Embryonic Stem Cells into Thyrocytes Thyroid Hormone Regulates Intestine Stem Cell Development during <i>Xenopus Laevis</i> Metamorphosis 	<i>Terry F. Davies Yun-Bo Shi</i>
VCC, Esquimalt	<ul style="list-style-type: none"> • DM 9: Autoimmune Thyroiditis <i>Moderator: Salvatore Benvenega</i> The Role of Iodine The Role of Selenium 	<i>Leonidas Duntas Josef Koehrlle</i>
VCC, Colwood	<ul style="list-style-type: none"> • DM 10: Epidemiology of Thyroid Function and Common Diseases <i>Moderator: David S. Cooper</i> Thyroid Function and Cardiovascular Disease: Underlying Mechanisms Hypothyroidism in Chronic Kidney Disease: Physiologic Adaptation or Physiologic Entity? 	<i>Loyal Chaker Connie M. Rhee</i>
VCC, Saanich	<ul style="list-style-type: none"> • DM 11: Pediatric Thyroid Cancer <i>Moderator: Steven G. Waguespack</i> Recent Progress in Genetics of Pediatric Thyroid Cancer The Role of FNAB in Pediatric Thyroid Nodules 	<i>Ali S. Alzahrani Andrew J. Bauer</i>
VCC, Lecture Theater	<ul style="list-style-type: none"> • DM 12: Thyroid Cancer Management – Novel Therapeutics and Management Options (<i>Workshop co-sponsored by SNMMI</i>) <i>Moderator: James V. Hennessey</i> Treatment of Distant Metastatic Follicular Thyroid Cancer: Radioactive Iodine Therapy and Beyond Evaluation and Management of Patients with Differentiated Thyroid Cancer (DTC), Positive Thyroglobulin Levels (+Tg), and Negative Diagnostic Radioiodine Scans (-DxSc) 	<i>Mona M. Sabra Douglas Van Nostrand</i>
7:30 PM – 11:00 PM Royal BC Museum 675 Belleville Street	ATA Annual Banquet at the Royal BC Museum (Ticketed event, pre-registration required; comfortable shoes encouraged) The Royal BC Museum is located across the street from the Fairmont and VCC. Tour the First Nations and Modern History museum galleries, enjoy great food along the way at various food stations and socialize with colleagues and friends.	

**87th ANNUAL MEETING OF THE ATA
SATURDAY, OCTOBER 21, 2017**

6:00 AM – 7:45 AM VCC, Lecture Theater	Early Riser Satellite Symposium Presented by AACE: Current Landscape in Medullary Thyroid Cancer – Update for Clinicians (Limited seating; first-come, first served; light breakfast offered)	<i>Gregory W. Randolph Naifa Lamki Busaidy Amy Y. Chen Matthew D. Ringel</i>
7:30 AM – 5:15 PM VCC, Registration	ATA Registration Open	
7:30 AM – 5:30 PM VCC, West Coast	ATA Speaker Ready Room Open (Open to meeting faculty only)	
8:00 AM – 8:05 AM VCC, Salon AB	Morning Announcements	<i>Angela M. Leung Mingzhao Xing</i>
8:00 AM – 12:15 PM VCC, Salon C	<u>ATA Pediatric Thyroid Forum Satellite Program: Update on Pediatric Thyroid Disease 2017 – Current State and Future Directions</u> <i>Chair: Andrew J. Bauer</i>	
8:05 AM – 8:50 AM VCC, Salon AB	Plenary Lecture: Understanding How Breaches in Immune Tolerance Lead to Autoimmune Thyroid Disease <i>Introduction by Angela M. Leung</i>	<i>John Cambier</i>
8:45 AM – 9:15 AM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Highlighted Trainee Abstracts Short Oral Presentations (Open to all trainees) <i>Moderator: Tracey S. Tylee</i>	
	Basic - De Novo Tri-iodothyronine (T3) Formation	<i>Cintia E. Citterio</i>
	Clinical - Differential Growth Rates of Benign Versus Malignant Thyroid Nodules	<i>Chirag M. Vyas</i>
	Case Report - The First Report of a Homozygous HSA Gene Mutation Causing Familial Dysalbuminemic Hyperthyroxinemia	<i>Mizuho Mimoto</i>
8:50 AM – 9:50 AM VCC, Lecture Theater	Basic/Translational Short Call Oral Abstracts Session (4 total) <i>Chair: Mabel M. Ryder</i>	
	Short Call Oral Abstract #1: The Nuclear and Mitochondrial Genomes of Hürthle Cell Carcinoma and Its Metastases	<i>Raj Gopal</i>
	Short Call Oral Abstract #2: Modulation of Cholesterol and Sex Steroid Metabolism by 3,5-T2 in Lipid-Loaded Primary Mouse Hepatocytes	<i>Josef Koehrlé</i>
	Short Call Oral Abstract #3: Challenging the Adipocyte Color Barrier - TR Activation Elicits a White to Beige Transdifferentiation Independent of Beta-Adrenergic Signaling	<i>Kevin J. Phillips</i>
	Short Call Oral Abstract #4: Radioiodine Refractoriness Is a Mechanism in the Increased Recurrence of Papillary Thyroid Cancer Driven by Coexisting BRAF V600E and TERT Promoter Mutations	<i>Rengyun Liu</i>
8:50 AM – 9:50 AM VCC, Salon AB	Clinical Short Call Oral Abstracts Session (4 total) <i>Chair: Gregory W. Randolph</i>	
	Short Call Oral Abstract #5: Clinical Validation of ThyroSeq v3® Performance in Thyroid Nodules with Indeterminate Cytology: A Prospective Blinded Multi-Institutional Validation Study	<i>Yuri Nikiforov</i>
	Short Call Oral Abstract #6: Development and Validation of Classifiers to Enhance the Afirma Genomic Sequencing Classifier Performance Among Hürthle Cell Specimens	<i>Quan-Yang Duh</i>
	Short Call Oral Abstract #7: Emergence of V804M Resistance Gatekeeper Mutation in Sporadic Medullary Thyroid Carcinoma Patients Treated with TKI Tyrosine Kinase Inhibitors	<i>Naifa Lamki Busaidy</i>

	Short Call Oral Abstract #8: A Multicenter, Randomized, Open-label, Phase 2 Trial of Donafenib in Progressive Local or Metastatic Radioiodine-Refractory Differentiated Thyroid Cancer: A Preliminary Short-Term Report of Efficacy and Safety	<i>Hui Li</i>
9:15 AM – 10:00 AM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: How to Communicate About the Thyroid (Open to all trainees) <i>Moderator: Andrew G. Gianoukakis</i>	<i>Gerard M. Doherty Virginia A. LiVolsi Andrew G. Gianoukakis</i>
9:30 AM – 1:30 PM VCC, Crystal Garden	Exhibit and Poster Hall Open (Open at 8:00 AM to poster presenters and exhibitors only)	
9:50 AM - 10:45 AM VCC, Crystal Garden	Poster Review Session and Break in the Exhibit Hall	
Poster 312	<i>Thyroid Hormone Metabolism & Regulation</i> DE NOVO TRI-IODOTHYRONINE (T3) FORMATION C.E. Citterio, B. Veluswamy, P. Arvan	<i>Basic</i>
Poster 313	<i>Thyroid Nodules & Goiter</i> DIFFERENTIAL GROWTH RATES OF BENIGN VERSUS MALIGNANT THYROID NODULES C.M. Vyas, Z. Wang, M. Medici, E. Marqusee, M.I. Kim, P. Larsen, E.K. Alexander, T.E. Angell	<i>Clinical</i>
Poster 314	<i>Thyroid Hormone Metabolism & Regulation</i> THE FIRST REPORT OF A HOMOZYGOUS HSA GENE MUTATION CAUSING FAMILIAL DYSALBUMINEMIC HYPERTHYROXINEMIA M. Mimoto, N. Scherberg, A. Karaca, A. Dumitrescu, S. Refetoff	<i>Case Report</i>
Poster 315	<i>Disorders of Thyroid Function</i> THYROCYTES FROM PATIENTS WITH GRAVES' DISEASE SHOW DECREASED TSH RESPONSIVENESS DESPITE NORMAL TSHR EXPRESSION S.J. Morgan, C.C. Krieger, S. Neumann, M. Gershengorn	<i>Basic</i>
Poster 316	<i>Iodine Uptake & Metabolism</i> THE ROLE OF THE RENAL NA ⁺ /I ⁻ SYMPORTER (NIS) IN IODIDE METABOLISM AND THYROID FUNCTION A. Reyna-Neyra, G. Ferrandino, R.R. Kaspari, N. Carrasco	<i>Basic</i>
Poster 317	<i>Iodine Uptake & Metabolism</i> REGIONAL HYPERTHERMIA FOR OPTIMIZATION OF EFFICACY AND TUMOR SELECTIVITY OF MESENCHYMAL STEM CELL (MSC)-MEDIATED SODIUM IODIDE SYMPORTER (NIS) GENE THERAPY M. Tutter, C. Schug, K. Schmohl, S. Urnauer, N. Schwenk, W. Lokerse, L. Lindner, P. Nelson, C. Spitzweg	<i>Basic</i>
Poster 318	<i>Iodine Uptake & Metabolism</i> AN INVESTIGATION INTO SODIUM-IODIDE SYMPORTER (NIS) DIMERIZATION AND ITS IMPACT ON RADIOIODIDE UPTAKE IN THYROID CANCER R.J. Thompson, A. Fletcher, H. Nieto, M. Alshahrani, K. Baker, J.W. Mueller, N.H. Fine, D.J. Hodson, M.L. Read, K. Boelaert, V.E. Smith, C.J. McCabe	<i>Basic</i>
Poster 319	<i>Thyroid & Development</i> FUNCTION OF THE HISTONE METHYLTRANSFERASE PRMT1 DURING POST-EMBRYONIC DEVELOPMENT AND ADULT INTESTINAL STEM CELL FORMATION IN XENOPUS TROPICALIS Y. Shibata, Y. Shi	<i>Basic</i>
Poster 320	<i>Thyroid & Development</i> INSIDE THYROID DYSGENESIS THROUGH EXPANDED EXOME ANALYSIS E. Brust, G. Thezolin, F. Koyama, A. Camargo, F.O. Rego, P. Galante, T. Oliveira, T. Amorim, H. Ramos, C. Friguglietti, G. Medeiros-Neto, I.G. Rubió	<i>Basic</i>
Poster 321	<i>Thyroid Cancer</i> THE METABOLIC PROFILE AND EXPRESSION OF MITOCHONDRIAL GLYCEROPHOSPHATE DEHYDROGENASE (MGPDH) IN THYROID CANCER PREDICTS THE SENSITIVITY TO METFORMIN TREATMENT IN VIVO S. Thakur, B. Daley, K. Gaskins, V.V. Vasko, M. Boufraquech, D. Patel, C. Sourbier, E. Kebebew, J. Klubo-Gwiedzinska	<i>Basic</i>

- Poster 322 *Thyroid Cancer* *Basic*
 DUAL RECEPTOR TARGETING FOR IMPROVED SYSTEMIC TUMOR-SPECIFIC DELIVERY OF THE SODIUM IODIDE SYMPORTER (NIS) GENE
 S. Urnauer, K. Schmohl, S. Morys, M. Tutter, N. Schwenk, C. Schug, R. Oos, P. Bartenstein, D. Clevert, E. Wagner, C. Spitzweg
- Poster 323 *Thyroid Cancer* *Translational*
 NELFINAVIR (NFV) IS AN EFFECTIVE ANTICANCER AGENT FOR THYROID CANCER AND HAS DIFFERENTIAL ANTICANCER ACTIVITY BY CELL TYPE
 Y. Kushchayeva, K. Gaskins, D.R. Donahue, M. Boufraqueh, D. Wei, S. Mukherjee, S.M. Kumar, C. Sourbier, J. Shell, S. Kushchayev, S. Tella, J. Klubo-Gwiezdzińska, V. Vasko, E. Kebebew
- Poster 324 *Thyroid Hormone Metabolism & Regulation* *Translational*
 RARE MISSENSE VARIANTS OF TRACE AMINE ASSOCIATED RECEPTOR 1 IN BIPOLAR DISORDER
 G. Rutigliano, V. Carnicelli, L. Dell'Osso, R. Zucchi
- Poster 325 *Disorders of Thyroid Function* *Clinical*
 EFFECTS OF HYPOTHYROIDISM ON SURGICAL OUTCOMES
 R. Villavicencio, C.N. Mariash
- Poster 326 *Disorders of Thyroid Function* *Clinical*
 THYROID FUNCTION, EPICARDIAL ADIPOSE TISSUE AND ATRIAL FIBRILLATION, A POPULATION BASED COHORT STUDY
 L. Chaker, D. Bos, A. Bano, A. Hofman, T. VanderWeele, M. Kavousi, O. Franco, R. Peeters, A. Ikram
- Poster 327 *Disorders of Thyroid Function* *Clinical*
 INFLUENCE OF SOCIODEMOGRAPHIC FACTORS ON RATE OF EMERGENCY HOSPITALIZATIONS AND SURGICAL MANAGEMENT OF GRAVES' DISEASE
 T.M. Vaghaiwalla, G. Rubio, J. Farra, J.I. Lew
- Poster 328 *Disorders of Thyroid Function* *Clinical*
 SUBCLINICAL HYPOTHYROIDISM AND ITS ASSOCIATION WITH GESTATIONAL DIABETES MELLITUS
 F. Sharifi-Ghorveh, I.J. Halperin, M. Diba
- Poster 329 *Thyroid Cancer* *Case Report*
 PAPILLARY THYROID CANCER WITH UNUSUAL LATE ONSET OF PITUITARY AND CHOROICAL METASTASES
 N. Bin Hareez, H. Lochnan
- Poster 330 *Disorders of Thyroid Function* *Clinical*
 THE IMPACT OF 2016 ATA GUIDELINE FOR DIAGNOSIS AND MANAGEMENT OF HYPERTHYROIDISM ON THE FREQUENCY OF TRAB MEASUREMENT
 N. Bin Hareez, J. Shaw, E. Leung, H. Lochnan
- Poster 331 *Iodine Uptake & Metabolism* *Clinical*
 IODINE NUTRITION IN U.S. WEANING INFANTS
 R. Fallah, L. Du, L. Braverman, X. He, M. Segura-Harrison, M. Yeh, H. Chiu, A.M. Leung
- Poster 332 *Thyroid Cancer* *Clinical*
 PEMBROLIZUMAB ADDED TO KINASE INHIBITOR (KI) THERAPY IN ANAPLASTIC THYROID CARCINOMA (ATC): A SINGLE CANCER CENTER'S EXPERIENCE
 P. Iyer, R. Ferrarotto, M. Gule-Monroe, N. Busaidy, R. Dadu, M. Habra, M.D. Williams, M. Hofmann, M. Zafereo, H. Skinner, M.E. Cabanillas
- Poster 333 *Thyroid Cancer* *Clinical*
 CIRCULATING BRAFV600E CELL-FREE DNA DETECTED BY DROPLET DIGITAL PCR (DDPCR) AS A BIOMARKER IN THE MANAGEMENT OF ANAPLASTIC THYROID CARCINOMA (ATC) PATIENTS
 P. Iyer, G.J. Cote, R. Dadu, R. Ferrarotto, N. Busaidy, M. Hofmann, M. Zafereo, M.D. Williams, V. Subbiah, M.E. Cabanillas
- Poster 334 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 THE VARIATION OF TYPE-2 DEIODINASE CONCENTRATION AND ACTIVITY IN BLOOD AMONG DIFFERENT SURGICAL APPROACHES OF DIFFERENTIATED THYROID CARCINOMA
 X. Zheng, K. Qian, K. Guo, Z.Y. Wang

- Poster 335 *Thyroid Hormone Metabolism & Regulation* *Clinical*
ASSOCIATION OF SUBCLINICAL HYPOTHYROIDISM WITH NAFLD: KOREA NATIONAL HEALTH AND
NUTRITION EXAMINATION SURVEY 2013 TO 2015
J. Lee, J. Ha, D. Lim, M. Kang, B. Cha, M. Kim
- Poster 336 *Thyroid Imaging* *Clinical*
COMPARISON BETWEEN THYROID IMAGING REPORTING AND DATA SYSTEM AND 2015 AMERICAN THYROID
ASSOCIATION MANAGEMENT GUIDELINES IN EVALUATION OF THYROID NODULE WITH ULTRASOUND
R. Liu, . Yang, Y. Jiang, Y. Wang, L. Gao, J. Liu, J. Wang, X. Xi, . Zhu, X. Lai, R. Zhao, X. Zhang, B. Zhang
- Poster 337 *Disorders of Thyroid Function* *Case Report*
A NOVEL MUTATION IN THE TG GENE (G2341S) CAUSING CONGENITAL HYPOTHYROIDISM IN A SUDANESE
FAMILY
Y. Watanabe, E. Sharwood, B. Goodwin, M. Creech, M. Netea, M. Jaeger, S. Refetoff, T. Huynh, R.E. Weiss
- Poster 338 *Autoimmunity* *Case Report*
PEMBROLIZUMAB INDUCED HYPOPHYSITIS
A. Chauhan, P. Shah, B. Tendler, U.P. Hegde
- Poster 339 *Disorders of Thyroid Function* *Case Report*
ANTI-PD-1 MONOCLONAL ANTIBODIES LEAD TO THYROID DYSFUNCTION: A CASE SERIES OF THREE
PATIENTS
A. Alameer, S. Adler, J. Paulson
- Poster 340 *Disorders of Thyroid Function* *Case Report*
EARLY IDENTIFICATION OF SEVERE PRIMARY HYPOTHYROIDISM IN NEONATES EXPOSED TO INTRA-
LYMPHATIC IODINATED CONTRAST: A CASE SERIES
C. Cherella, D. Breault, V. Thaker, B. Levine, J. Smith
- Poster 341 *Disorders of Thyroid Function* *Case Report*
THYROTOXICOSIS IN TRIPLET PREGNANCY
M.A. Jara, J.M. Jara Ruiz, E. Jara Ruiz, c. Arevalo, J. Jara Yorg
- Poster 342 *Disorders of Thyroid Function* *Case Report*
A CASE OF SEVERE GESTATIONAL THYROTOXICOSIS
K. Chen, J. Benmoussa, V. Sharma
- Poster 343 *Thyroid Cancer* *Case Report*
A RARE PEDIATRIC PRESENTATION OF HYPEREOSINOPHILIC SYNDROME WITH MEDULLARY THYROID
CANCER IN MEN2B
G. Snoeyenbos, A.J. Recupero
- Poster 344 *Thyroid Hormone Action* *Case Report*
TRANSIENT CENTRAL DIABETES INSIPIDUS IN UNCONTROLLED GRAVES' DISEASE
I. Unal, S. Shikdar, R. Mundada, R. Plotzker
- Poster 345 *Thyroid Hormone Action* *Case Report*
BRADYCARDIA AND HYPOTHYROIDISM - MANAGEMENT CONSIDERATIONS
O. Oraibi, F. Chaudhry
- Poster 346 *Thyroid Hormone Metabolism & Regulation* *Case Report*
EFFECT OF RIFAMPIN ON THYROID HORMONE METABOLISM IN A PATIENT ON LEVOTHYROXINE
P. Mejia Osuna, R. Robbins
- Poster 347 *Autoimmunity* *Basic*
THE ROLES OF DIFFERENT TYPES OF CD19⁺ B CELLS IN THE DISEASE PROGRESSION IN IODINE-INDUCED
AUTOIMMUNE THYROIDITIS OF NOD.H-2^{H4} MICE
Y. Li, J. Qin, S. Wang, N. Zhao, Y. Liu, C. Fan, G. Wang, X. Cui, M. Huang, Z. Shan, W. Teng
- Poster 348 *Autoimmunity* *Clinical*
ELEVATED SEMAPHORIN5A IN PATIENTS WITH HASHIMOTO'S THYROIDITIS: A CASE CONTROL STUDY
Y. Liu, S. Wang, Q. Guo, Y. Li, J. Qin, N. Zhao, Y. Li, Z. Shan, W. Teng

- Poster 349 *Autoimmunity* *Translational*
 MACRO TSH IN FERTILE WOMEN: THE NATURE AND EFFECTS ON COMMERCIAL TSH ASSAY PLATFORMS
 N. Hattori, K. Aisaka, A. Shimatsu
- Poster 350 *Autoimmunity* *Clinical*
 PREVENTION OF OVERT HYPOTHYROIDISM FOLLOWING RADIOACTIVE IODINE THERAPY FOR GRAVES' DISEASE BY EARLY INITIATION OF LEVOTHYROXINE THERAPY
 S. Maraka, M. Castro, D. Dean, A. Sharma, V. Fatourech, P. Thapa, R. Bahn, M. Stan
- Poster 351 *Autoimmunity* *Clinical*
 THE RELEVANCE OF THYROID AUTOIMMUNITY IN HYPERHOMOCYSTEINEMIA DURING ACUTE IATROGENIC HYPOTHYROIDISM
 F. Cicone, M. Santaguída, C. Virili, A. Papa, A. Tofani, F. Scopinaro, M. Centanni
- Poster 352 *Autoimmunity* *Clinical*
 ANALYSIS OF EARLY THYROIDECTOMY TO INDUCE QUIESCENCE OF MODERATE TO SEVERE THYROID EYE DISEASE
 L. Bodily, S. Zhou, L. Umfrey, K. Duncan, S. Stefko, U. Duvvuri
- Poster 353 *Autoimmunity* *Clinical*
 MEAN PLATELET VOLUME IS A GOOD MAKER TO MAKE DIAGNOSIS OF THYROID-ASSOCIATED OPHTHALMOPATHY AND TO MAKE A PREDICTION OF ITS PROGNOSIS
 J. Tani, H. Eguchi, Y. Hiromatsu, M. Nomura
- Poster 354 *Disorders of Thyroid Function* *Case Report*
 A RARE CASE OF ACQUIRED CENTRAL HYPOTHYROIDISM ASSOCIATED WITH AIP GENE MUTATION
 M. Suzuki, J. Klubo-Gwiedzinska, F.R. Faucz, A. Delaney, C. Stratakis
- Poster 355 *Disorders of Thyroid Function* *Case Report*
 EFFECT OF TWO CONSECUTIVE ANTI-TUMOR MEDICATION ON THYROID FUNCTION
 Y. Malan, D. Bellabarba, N. Van Rossum
- Poster 356 *Disorders of Thyroid Function* *Case Report*
 NEONATAL GRAVES' DISEASE: IMPORTANCE OF A TEAM COMMUNICATION
 A. Manea, S.H. LaFranchi
- Poster 357 *Disorders of Thyroid Function* *Case Report*
 WHEN THE THYROID IS TO BLAME; A RARE CAUSE OF RHABDOMYOLYSIS
 R. Milyani
- Poster 358 *Disorders of Thyroid Function* *Case Report*
 FROM FEARING WEIGHT GAIN TO TYROID STORM
 L. Rodriguez, L. Arzeno
- Poster 359 *Disorders of Thyroid Function* *Case Report*
 FACTITIOUS THYROTOXICOSIS: HOW TO FIND IT
 P. Vorasart, C. Sriprapadang
- Poster 360 *Disorders of Thyroid Function* *Case Report*
 COEXISTENCE OF PRIMARY HYPERPARATHYROIDISM DUE TO MEN1 IN A HYPERCALCEMIC PATIENT WITH GRAVES' DISEASE
 B.H. Kimura, S.S. Davis, S. Bhat
- Poster 361 *Thyroid Cancer* *Case Report*
 VOCAL CORD PARALYSIS AND OVERT HYPOTHYROIDISM DUE TO METASTATIC COLON ADENOCARCINOMA TO THE THYROID GLAND
 B.H. Kimura, A. Mita, A. Ho, W.L. Sacks
- Poster 362 *Disorders of Thyroid Function* *Clinical*
 MATERNAL AND NEONATAL OUTCOMES OF PREGNANCIES AFFECTED BY HYPOTHYROIDISM
 Z. Kiran, A. Sheikh, S. Malik, A. Meraj, M. Masood, S. Ismail, O. Rashid, N. Majeed, L. Sheikh, N. Islam

- Poster 363 *Disorders of Thyroid Function* *Clinical*
 PREVALENCE AND CLINICO-EPIDEMIOLOGY OF THYROID DYSFUNCTION IN PATIENTS WITH METABOLIC SYNDROME- A PAN-INDIA STUDY
 V. Deshmukh, F. Farishta, R. Hegde
- Poster 364 *Disorders of Thyroid Function* *Clinical*
 HEART RATES IN THYROTOXIC FETUSES OF WOMEN IN REMISSION AFTER ABLATIVE THERAPY FOR GRAVES' DISEASE
 N. Momotani
- Poster 365 *Iodine Uptake & Metabolism* *Clinical*
 IODINE NUTRITIONAL STATUS IN MEXICAN PREGNANT AND LACTATING WOMEN, THEIR NURSING INFANTS AND SCHOOL AGED CHILDREN FROM AN INDIGENOUS POPULATION IN CENTRAL MEXICO
 A.M. Estardante, O. Cuenca, P. García Solis, A. Aguilera Barreyro, J.C. Solís-Sáinz, X. He, E.N. Pearce, L. Braverman
- Poster 366 *Iodine Uptake & Metabolism* *Basic*
 INVESTIGATING IODINE NUTRITION IN NAGORNO KARABAKH
 N. Hutchings, S. Baghdasaryan, M. Qefoyan, M. Manoukian, K. Atayan, J.P. Bilezikian
- Poster 367 *Iodine Uptake & Metabolism* *Basic*
 IODINE NUTRITION IN ARMENIA: A MODEL OF REPRESENTATIVE SURVEILLANCE
 N. Hutchings, Y. Aghajanova, S. Baghdasaryan, M. Qefoyan, C.A. Sullivan, X. He, M. Manoukian, G. Gerasimov, L. Braverman, J.P. Bilezikian
- Poster 368 *Thyroid & Development* *Clinical*
 RELATION BETWEEN ADHD, AUTISM AND CONGENITAL HYPOTHYROIDISM
 J.J. Bongers-Schokking, Y.B. de Rijke, S.M. de Muinck Keizer-Schrama
- Poster 369 *Thyroid Cancer* *Basic*
 THIOREDOXIN INTERACTING PROTEIN AS A TUMOR SUPPRESSOR IN THYROID CANCER
 L.J. Hostetter, R. Mackie, V. Sharma, H. Somerset, J. Morrison, B. Haugen
- Poster 370 *Thyroid Cancer* *Basic*
 ETV5, AN ETS FAMILY TRANSCRIPTION FACTOR, DRIVES EPITHELIAL-TO MESENCHYMAL TRANSITION THROUGH EXPRESSION OF TWIST1 IN PAPILLARY THYROID CANCER
 O. Puli, B.P. Danysh, D. Sinha, G.J. Cote, M.E. Cabanillas, M. Hofmann
- Poster 371 *Thyroid Cancer* *Basic*
 DETAILED CHARACTERIZATION OF HUMAN TELOMERASE REVERSE TRANSCRIPTASE (HTERT) PROMOTER METHYLATION AND ALTERNATIVE SPLICING IN THYROID CANCER
 B. Avin, Y. Wang, R.E. Workman, I. Lee, L. Florea, W. Timp, C.B. Umbricht, M.A. Zeiger
- Poster 372 *Thyroid Cancer* *Translational*
 OVERCOMING ATF4 DEFICIENCY FOR TREATMENT OF MEDULLARY THYROID CANCER
 R. Yarmand, K. Sinha, I. li, Y. Lu, M.D. Williams, E.G. Grubbs, G.J. Cote, R. Gagel
- Poster 373 *Thyroid Cancer* *Translational*
 A DIFFERENTIAL SUBCELLULAR EXPRESSION PATTERN OF A GENE IN WELL-DIFFERENTIATED THYROID CANCER TO ANAPLASTIC THYROID CANCER
 C. Kim, M.C. Perez, A.C. Simental, I. Munir, A.A. Firek, S. Khan
- Poster 374 *Thyroid Cancer* *Translational*
 COSEGREGATION OF MSN VARIANT IDENTIFIED BY WHOLE-EXOME SEQUENCING IN A BRAZILIAN FAMILY SUSPECTED OF FAMILIAL NON- MEDULLARY THYROID CANCER
 M. Teixeira Rodrigues, F. Koyama, A. Camargo, F.O. Rego, P. Galante, L. de Lima Feitoza, G.M. Griz Carvalheira, J.M. Cerutti, I.G. Rubió
- Poster 375 *Thyroid Cancer* *Translational*
 POTENTIAL OF HMGA2 IMMUNO-HISTOCHEMICAL STAINING AS A PROGNOSTIC MARKER OF METASTATIC RECURRENCE IN FOLLICULAR THYROID CANCER
 T. Kogai, J. Sakumoto, W. Konno, H. Kanaya, H. Hirabayashi, A. Hishinuma

- Poster 376 *Thyroid Cancer* *Translational*
 TUMORSPHERES OF PAPILLARY THYROID CANCER HAVE CANCER STEM CELL PROPERTIES
 W. Kim, J. Lee, S. Jung, H. Kim, S. Woo, G. Son
- Poster 377 *Thyroid Cancer* *Case Report*
 N-RAS MUTATION IN CODON 61 ASSOCIATED WITH AGGRESSIVE FOLLICULAR VARIANT PAPILLARY
 THYROID CANCER PRESENTING WITH BONE METASTASIS
 R. Lomonaco, A. Esnakula, P. Gopalan, G. Dhir
- Poster 378 *Thyroid Cancer* *Case Report*
 FROM THE COLONOSCOPY SUITE TO THYROID FNA: CONNECTED THROUGH DIARRHEA
 H. Baloch, T. Church, K.N. Vu, T.D. Hoang, M. Shakir
- Poster 379 *Thyroid Cancer* *Case Report*
 METASTATIC HURTHLE CELL CARCINOMA OF THE THYROID, A UNIQUE CASE REPORT
 P. Ohri, P. Labinson
- Poster 380 *Thyroid Cancer* *Case Report*
 RARE CASE OF MIXED MEDULLARY-FOLLICULAR CARCINOMA AND MICRO-PAPILLARY CARCINOMA IN A
 SINGLE THYROID
 T. Swiss, W. McIlwain, K. Groom
- Poster 381 *Thyroid Cancer* *Case Report*
 HYALINIZING TRABECULAR TUMOR IMPERSONATING AS PAPILLARY THYROID CANCER IN A PATIENT WITH
 POSSIBLE RADIATION EXPOSURE
 H. Bakeri, H. Goel, B. Tendler
- Poster 382 *Thyroid Cancer* *Case Report*
 PREGNANCY AFTER CONSERVATIVE TREATMENT FOR MALIGNANT STRUMA OVARII
 J. Chen, C. Dosiou
- Poster 383 *Thyroid Cancer* *Case Report*
 METASTATIC ANAPLASTIC THYROID CARCINOMA: CURED BY SURGERY?
 P.M. Specenier, M. Twickler, P. Van Schil, M. Lammens, K. De Greef, D. Ysebaert
- Poster 384 *Thyroid Cancer* *Case Report*
 A RARE COMBINATION OF PAPILLARY THYROID CANCER AND PANCREATIC NEUROENDOCRINE TUMOR IN
 CERVICAL LYMPH NODES
 L. Gondin, J.L. Gonzalez, G. Kabbach, T. Bright
- Poster 385 *Thyroid Cancer* *Case Report*
 THYROID LYMPHOMA CASE SERIES
 R. Singarayer, D. Morrison
- Poster 386 *Thyroid Cancer* *Clinical*
 COMPREHENSIVE GENOMIC PROFILING OF PRIMARY, NODAL, OR DISTANT METASTASES IN RECURRENT OR
 METASTATIC DIFFERENTIATED THYROID CANCER: MUTATIONS, MICROSATELLITE STABILITY STATUS, AND
 TOTAL MUTATIONAL BURDEN
 D.W. Bowles, N. Pozdeyev, B. Haugen, J. Hreno, L.M. Gay, P. Vanden Borre, A.B. Schrock, S.M. Ali, J.M. Chung, J.A. Elvin,
 J.S. Ross
- Poster 387 *Thyroid Cancer* *Clinical*
 GRAVES' DISEASE DOES NOT AFFECT THE PROGNOSIS OF PAPILLARY THYROID CANCER
 H. Kwon, B. Moon, J. Kim
- Poster 388 *Thyroid Cancer* *Clinical*
 HEALTH RELATED QUALITY OF LIFE IN THYROID CANCER PATIENTS COMPARED TO OTHER CANCERS AND
 NORMATIVE DATA
 S. Goswami, B.J. Peipert, M.N. Mongelli, I. Helenowski, S. Yount, C. Sturgeon

- Poster 389 *Thyroid Cancer* *Clinical*
A POPULATION-BASED REVIEW OF SALVAGE SURGERY, RADIOACTIVE IODINE, EXTERNAL BEAM RADIATION AND SYSTEMIC THERAPY FOR MANAGEMENT OF RECURRENT DIFFERENTIATED THYROID CANCER
A. Shokoohi, E. Berthelet, G. Sexsmith, J. Wu, S. Gill, A. White, E. Prisman, E. Tran, S.M. Wiseman, C. Ho
- Poster 390 *Thyroid Cancer* *Clinical*
VALIDATION OF THE GENE EXPRESSION CLASSIFIER TO PREDICT MALIGNANCY IN THYROID NODULES WITH INDETERMINATE CYTOLOGY
E. Oommen, C. Maxwell
- Poster 391 *Thyroid Cancer* *Clinical*
SOCIOECONOMIC DETERMINANTS OF PEDIATRIC PAPILLARY THYROID CANCER: A SEER DATABASE REVIEW
W. Porter, P. Mahajan, H. Danysh, D.C. Chelius
- Poster 392 *Thyroid Cancer* *Clinical*
ULTRASOUND AND CYTOLOGIC FEATURES CAN PREDICT MALIGNANCY IN INDETERMINATE THYROID NODULES
I. Shafiq, M.H. Ahmad, S. Messing, S. Newlands, E.J. Giampoli, J. Moalem
- Poster 393 *Thyroid Cancer* *Clinical*
NO PROGNOSTIC VALUE OF POST-ABLATION THYROGLOBULIN INCREASE AT FIRST RADIOIODINE THERAPY IN PAPILLARY THYROID CANCER
J. Yoon, H. Kim, H. Kang
- Poster 394 *Thyroid Cancer* *Clinical*
MANAGEMENT OF DIFFERENTIATED THYROID CANCER IN ACCORDANCE WITH THE AMERICAN THYROID ASSOCIATION GUIDELINES: IMPACT ON PATIENT DISEASE FREE AND OVERALL SURVIVAL OUTCOMES
E. Berthelet, A. Shokoohi, J. Wu, S. Gill, A. White, G. Sexsmith, E. Prisman, E. Tran, S.M. Wiseman, C. Ho
- Poster 395 *Thyroid Cancer* *Clinical*
PEMBROLIZUMAB AS A CANDIDATE THERAPEUTIC APPROACH IN METASTATIC, TREATMENT-REFRACTORY THYROID CANCER
S. Jasim, J. Morris, A. Chintakuntlawar, C. Hilger, C. Dalpiaz, M. Ryder, K. Bible
- Poster 396 *Thyroid Cancer* *Clinical*
CORE NEEDLE BIOPSY MORE ACCURATELY GUIDES TREATMENT DECISIONS IN PATIENTS WITH NON-INVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES
M. Kim, J. Lee, J. Ha, s. lee, j. bae, D. Lim, S. Jung, M. Kang, C. Jung
- Poster 397 *Thyroid Cancer* *Clinical*
BARRIERS AND FACILITATORS OF ACTIVE SURVEILLANCE: INFORMATIONAL AND EMOTIONAL
M.C. Saucke, J.L. Jennings, H.J. Khokhar, C.I. Voils, S.C. Pitt
- Poster 398 *Thyroid Cancer* *Clinical*
DOES EXTRATHYROIDAL EXTENSION PREDICT INVASIVE AND PERSISTENT DIFFERENTIATED THYROID CANCER?
N.K. Jain, L. Surrey, S. Mostoufi-Moab, S. Adzick, K. Kazahaya, J. Pizza, N. Nelson, A. Bauer
- Poster 399 *Thyroid Cancer* *Clinical*
COMPARISON OF SALIVARY GLAND FUNCTIONS ON THE SALIVARY GLAND SCAN IN DIFFERENTIATED THYROID CANCER PATIENTS UNDERWENT RADIOACTIVE IODINE ABLATION: RECOMBINANT HUMAN THYROID-STIMULATING HORMONE VERSUS THYROID HORMONE WITHDRAWAL
J. Jeong, S. Lee, B. Ahn, J. Lee, A. Chong, S. Jeong
- Poster 400 *Thyroid Cancer* *Clinical*
LONG-TERM PROGNOSTIC SIGNIFICANCE OF GROSS EXTRATHYROIDAL EXTENSION INVADING ONLY STRAP MUSCLES IN PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA
S. Park, S. Park, M. Choi, H. Kim, T. Kim, S. Kim, J. Chung

- Poster 401 *Thyroid Cancer* *Clinical*
 MEDIASTINAL LYMPH NODES METASTASES IN THYROID CANCER: CHARACTERISTICS, PREDICTIVE FACTORS AND PROGNOSIS
 T. Zhang, Q. Ji, N. Qu
- Poster 402 *Thyroid Cancer* *Clinical*
 RECENT PREGNANCY IS NOT ASSOCIATED WITH HIGH-RISK PATHOLOGICAL FEATURES OF DIFFERENTIATED THYROID CANCER
 A. Chen, M.J. Livhits, L. Du, J.X. Wu, E.J. Kuo, M. Yeh, A.M. Leung
- Poster 403 *Thyroid Cancer* *Clinical*
 PREOPERATIVE VITAMIN D LEVEL AS A PREDICTIVE FACTOR FOR POST-THYROIDECTOMY HYPOCALCEMIA
 J. Kim, J. An, S. Baik, H. Kim, S. Paek, J. Woo, J. Lee, H. Kwon, W. Lim, B. Moon, N. Paik
- Poster 404 *Thyroid Cancer* *Clinical*
 RISK FACTORS FOR NON-SMALL-VOLUME CENTRAL LYMPH NODE METASTASES (MORE THAN FIVE OR LARGER THAN 2MM) IN CLINICALLY NODE-NEGATIVE PAPILLARY THYROID CARCINOMA
 J. Wang
- Poster 405 *Thyroid Cancer* *Clinical*
 WIDESPREAD GENE FUSION ANALYSIS OF FORMALIN-FIXED, PARAFFIN-EMBEDDED (FFPE) SAMPLES IMPROVES PRIMARY DIAGNOSTICS IN THYROID NEOPLASIA AND STRATIFIES RECURRENT CASES FOR TARGETED THERAPY
 K. van der Tuin, M. Ventayol Garcia, W. Corver, D. Ruano Neto, M. Snel, T. Links, H. Kapiteijn, J. Smit, F. Hes, H. Morreau
- Poster 406 *Thyroid Cancer* *Clinical*
 DO ATA RISK CLASSIFICATIONS ACCURATELY PREDICT MORTALITY IN DIFFERENTIATED THYROID CANCER?
 K. Weaver, M. Roth
- Poster 407 *Thyroid Cancer* *Clinical*
 THYROGLOBULIN MEASUREMENT USING MASS SPECTROMETRY IN THYROID CANCER
 L. Collins, M. Roth, A. Hoofnagle
- Poster 408 *Thyroid Cancer* *Clinical*
 TWENTY-YEAR SURVIVAL ANALYSIS OF PAPILLARY THYROID CANCER PATIENTS WITH COMPUTERIZED CYTOLOGICAL MORPHOLOGICAL AND CHROMATIC FEATURES
 S. Shih, A. Chen, I. Jan, T. Chang
- Poster 409 *Thyroid Cancer* *Clinical*
 EVALUATION OF SERUM P53 ANTIBODIES AS A TUMOR MARKER OF ANAPLASTIC THYROID CANCER
 T. Uruno, T. Kondo, C. Tomoda, A. Suzuki, K. Matsuzu, K. Ohkuwa, W. Kitagawa, M. Nagahama, K. Sugino, K. Ito
- Poster 410 *Thyroid Cancer* *Clinical*
 PREOPERATIVE CLINICAL AND SONOGRAPHIC CHARACTERISTICS PREDICT THE LATERAL CERVICAL LYMPH NODE METASTASIS IN SPORADIC MEDULLARY THYROID CARCINOMA
 H. Oh, H. Kwon, E. Song, M. Jeon, D. Song, T. Kim, J. Baek, S. Hong, W. Kim, Y. Shong, W. Kim
- Poster 411 *Thyroid Cancer* *Clinical*
 OCCULT NODE METASTASES IN PAPILLARY THYROID CARCINOMA CN0 PATIENTS: RESULTS OF CENTRAL AND LATERAL LYMPH NODE PROPHYLACTIC NECK DISSECTION
 R. Ciuni
- Poster 412 *Thyroid Cancer* *Clinical*
 RATES OF THYROID FINE NEEDLE ASPIRATION CYTOLOGY BY BETHESDA CATEGORIZATION IN CALGARY, CANADA
 S. Ghaznavi, H. Clayton, M. Eszlinger, C.J. Symonds, M. Khalil, R. Paschke
- Poster 413 *Thyroid Cancer* *Clinical*
 MEDULLARY THYROID CARCINOMA, PARAGANGLIOMA, AND SDHB MUTATION
 R. Koshy, J. Kung

- Poster 414 *Thyroid Cancer* *Clinical*
 MITOXANTRONE HYDROCHLORIDE IS A NOVEL LYMPHATIC TRACER THAT MAY HELP PRESERVING
 PARATHYROID GLANDS IN THYROID SURGERY
 S. Chen, G. Chen, R. Wang, X. Hou, W. Zhao, H. Guo
- Poster 415 *Thyroid Cancer* *Clinical*
 CLINICAL RELATIONSHIP BETWEEN HASHIMOTO'S THYROIDITIS AND BRAFV600E MUTATION STATUS IN
 PAPILLARY THYROID CARCINOMA PAIENTS
 S. Kang, S. Lee, H. Youn, S. Jung
- Poster 416 *Thyroid Cancer* *Clinical*
 THYROID LOBECTOMY VERSUS TOTAL THYROIDECTOMY IN THE TREATMENT OF LOW RISK WELL-
 DIFFERENTIATED THYROID CANCER 1-4 CM IN SIZE: A SYSTEMATIC REVIEW
 J.N. Athayde, D. MacNeil
- Poster 417 *Thyroid Cancer* *Clinical*
 COMPARISON STUDY BETWEEN TRANSORAL AND BILATERAL AXILLOBREAST APPROACH IN ROBOTIC
 THYROIDECTOMY
 W. Kim, J. Jung, J. Lee, S. Moon, J. Jung, Y. Lim, H. Park
- Poster 418 *Thyroid Cancer* *Clinical*
 COMPARING THE QUALITY OF SCAR AFTER CONVENTIONAL THYROIDECTOMY WITH SILICONE GEL, SHEET
 AND STICK
 Y. Bang, J. Kim
- Poster 419 *Thyroid Cancer* *Clinical*
 LONG TERM OUTCOME OF SURGICAL PREFERENCE IN LOW-RISK THYROID CANCERS AND PAPILLARY
 THYROID MICROCARCINOMAS
 M. Sahin, R. Emral, I. Aydogan, S. Gullu, M. Erdogan, O. Demir, V. Gedik, N. Baskal, D. Corapcioglu
- Poster 420 *Thyroid Cancer* *Clinical*
 CASE REPORT: MEDULLARY THYROID CANCER WITH NEGATIVE CALCITONIN
 N. Bin Swedan, M. Aldawish
- Poster 421 *Thyroid Cancer* *Clinical*
 A CASE OF THYROID LYMPHOMA IN A PATIENT WITH A HISTORY OF MULTINODULAR GOITER AND RENAL
 CELL CARCINOMA
 A. Cannavo, C. Nasr
- Poster 422 *Thyroid Imaging* *Clinical*
 ANALYZING THYROID IMAGING GUIDELINES: ULTRASOUND CHARACTERIZATION OF NONINVASIVE
 FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES
 A.M. Eckhoff, A. Chen, C.C. Griffith, A.C. Schmitt, D.A. Baumgarten
- Poster 423 *Thyroid Cancer* *Clinical*
 SONOGRAPHIC PATTERN IN NONINVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE
 NUCLEAR FEATURES VS. ENCAPSULATED FOLLICULAR VARIANT PAPILLARY THYROID CANCER
 A.M. Eckhoff, C.C. Griffith, A.C. Schmitt, D.A. Baumgarten, A. Chen
- Poster 424 *Thyroid Nodules & Goiter* *Clinical*
 ENDOSCOPIC THYROID SURGERY IN LARGE GOITRES: EXPERIENCE FROM A TERTIARY CARE CENTRE IN
 INDIA
 G. Johri, G. Chand, A. Mishra, C. Sonthineni, S. Mayilvaganan, A. Agarwal, G. Agarwal, A.K. Verma, S. Mishra
- Poster 425 *Thyroid Cancer* *Case Report*
 CEREBRAL METASTASES AS PRIMARY PRESENTATION OF OCCULT PAPILLARY THYROID CANCER
 G. Johri, G. Chand, R.A. Bichoo, A. Mishra, S. Mayilvaganan, G. Agarwal, A. Agarwal, A.K. Verma, S. Mishra
- Poster 426 *Thyroid Cancer* *Clinical*
 UNFAVORABLE EFFICACY TO RADIOIODINE REMNANT ABLATION IN BRAF V600E MUTANT PAPILLARY
 THYROID CARCINOMA WITH POSITIVE TGAB
 N. Zhang, J. Liang, Y. Lin

- Poster 427 *Thyroid Cancer* *Clinical*
 500MG VERSUS 750MG DAILY, PILOT DOSE COMPARISON OF APATINIB IN CHINESE PATIENTS WITH PROGRESSIVE RADIOIODINE REFRACTORY DIFFERENTIATED THYROID CANCER: INITIAL EXPERIENCE OF EFFICACY AND SAFETY
 X. Zhang, Y. Lin
- Poster 428 *Thyroid Cancer* *Clinical*
 COMPARISON OF 8TH AND 7TH AJCC TNM STAGING SYSTEM: EVALUATION IN TERMS OF RESPONSE TO RAI THERAPY IN 1083 CHINESE DIFFERENTIATED THYROID CANCER PATIENTS
 Y. Lin, H. Hu
- Poster 429 *Thyroid Cancer* *Clinical*
 QUALITY IMPROVEMENT IN THYROID SURGERY: REDUCTION IN UNPLANNED HOSPITAL READMISSION, EMERGENCY DEPARTMENT VISIT AND REOPERATIONS POST-THYROIDECTOMY
 J.F. Margolick, W. Chen, S.M. Wiseman
- Poster 430 *Thyroid Cancer* *Clinical*
 RE-OPERATION, HOSPITAL READMISSION AND EMERGENCY DEPARTMENT VISITS POST THYROIDECTOMY AND PARATHYROIDECTOMY: INCIDENCE AND RISK FACTORS
 J.F. Margolick, W. Chen, S.M. Wiseman
- Poster 431 *Thyroid Cancer* *Clinical*
 PROGNOSTIC VALUE OF FDG PET/CT FOR PATIENTS WITH RADIOIODINE NEGATIVE LUNG METASTASES FROM DIFFERENTIATED THYROID CANCER
 K. Nakada, N. Hattori, H. Sugie, M. Sakurai
- Poster 432 *Thyroid Cancer* *Clinical*
 DOES LOW IODINE CAUSE SEVERE HYPONATREMIA IN PATIENTS UNDERGOING RH-TSH AIDED REMNANT TISSUE ABLATION FOR THYROID CANCER?
 K. Nakada, Y. Furuta, M. Tamura, M. Sakurai
- Poster 433 *Thyroid Cancer* *Clinical*
 PROGNOSTIC FACTORS IN THE OVERALL SURVIVAL RATE OF PATIENTS WITH DIFFERENTIATED THYROID CANCER BONE METASTASIS
 D. Wu, C. Gomes Lima, S. Moreau, K. Kulkarni, A. Zeymo, K.D. Burman, L. Wartofsky, D. Van Nostrand
- Poster 434 *Thyroid Cancer* *Clinical*
 XEROPHTHALMIA AND EPIPHORA SECONDARY TO ¹³¹I THERAPY IN PATIENTS WITH DIFFERENTIATED THYROID CANCER: A PROSPECTIVE STUDY
 D. Wu, G. Khorjekar, P. Kharazi, A. Zeymo, K.D. Burman, L. Wartofsky, D. Van Nostrand
- Poster 435 *Thyroid Hormone Action* *Basic*
 ACTIVATION OF TUMOR CELL INTEGRIN α V β 3 BY RADIATION AND REVERSAL OF ACTIVATION BY CHEMICALLY MODIFIED TETRAIODOTHYROACETIC ACID (TETRAC)
 J.T. Leith, S. Kenney, A. Herbergs, S.A. Mousa, P.J. Davis
- Poster 436 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 PRE-OPERATIVE OPTIMIZATION WITH SUPER SATURATED POTASSIUM IODIDE SOLUTION (SSKI) IN PATIENTS WITH GRAVES' DISEASE UNDERGOING TOTAL THYROIDECTOMY
 D. Reznick, A. Siperstein
- Poster 437 *Thyroid Hormone Metabolism & Regulation* *Clinical*
 THE GASTRIC NEUROENDOCRINE TUMOR CARCINOID AND UNREGULATED HYPOTHYROID STATE
 O.M. Boskovic
- Poster 438 *Thyroid Imaging* *Case Report*
 THE UTILITY OF SHEAR WAVE ELASTOGRAPHY IN THE EVALUATION OF THYROID NODULES AND CORRELATION WITH AGGRESSIVE FEATURES ON MICROSCOPY
 D.W. Chen, J. Horst, D. Basu, S. Dalal, J. Darshana, K.A. Hyland
- Poster 439 *Thyroid Imaging* *Clinical*
 THE EFFECT OF CHEMORADIOTHERAPY FOR CANCERS, NOT INVOLVING THE HEAD-AND-NECK, ON THYROID GLAND SIZE
 M.G. Suarez, R. Gavidia-Quezada, E. Juarez-Tello, J. Lado-Abeal

- Poster 440 *Thyroid Imaging* *Clinical*
 COMPARISON BETWEEN 2015 AMERICAN THYROID ASSOCIATION MANAGEMENT GUIDELINES AND THYROID IMAGING REPORTING AND DATA SYSTEM IN DIAGNOSTIC EFFICIENCY OF THYROID NODULE: RESULTS IN SURGICALLY RESECTED THYROID NODULES
 L. Gao, X. Xi, Y. Jiang, Y. Wang, R. Liu, B. Zhang
- Poster 441 *Thyroid Nodules & Goiter* *Case Report*
 A CASE OF STATUS ASTHMATICUS WITH A LARGE THYROID TUMOR COMPRESSING THE TRACHEA
 E. Song, J. Kim, I. Kim, J. Kim, E. Jung
- Poster 442 *Thyroid Nodules & Goiter* *Case Report*
 THORACIC OUTLET SYNDROME: A UNIQUE PRESENTATION OF A PRIMARY INTRATHORACIC GOITER
 J.M. Tate, D. Beckman, J. Colburn, M. True
- Poster 443 *Thyroid Nodules & Goiter* *Case Report*
 HUGE ANTERIOR MEDIASTINAL GOITER REMOVED VIA MEDIAN STERNOTOMY: A CASE REPORT AND LITERATURE REVIEW
 L. Kim, S. Ko, S. Lee, Y. Suh
- Poster 444 *Thyroid Nodules & Goiter* *Clinical*
 DEVELOPMENT OF A MALIGNANCY RISK PREDICTOR MODEL FOR CYTOLOGICALLY INDETERMINATE THYROID NODULES THROUGH ARTIFICIAL NEURAL NETWORKS
 P. Valderrabano, E. Kim, Z.J. Thompson, R.R. Bravo, X. Wang, C.H. Chung, A. Anderson, B. McIver
- Poster 445 *Thyroid Nodules & Goiter* *Clinical*
 THYROID NODULE COMPOSITION IS A SENSITIVE PREDICTOR OF THYROID CARCINOMA IN CHILDREN
 A.W. Gannon, J.E. Langer, R. Bellah, S. Ratcliffe, J. Pizza, S. Mostoufi-Moab, A.R. Cappola, A.J. Bauer
- Poster 446 *Thyroid Nodules & Goiter* *Clinical*
 OFFICE-BASED ULTRASOUND-GUIDED FINE NEEDLE ASPIRATION BIOPSY TECHNIQUE FOR THYROID NODULES IN A CHILDREN
 N. Patel, S. Manning
- Poster 447 *Thyroid Nodules & Goiter* *Clinical*
 CLINICAL MANAGEMENT OF ATYPIA OF UNDETERMINED SIGNIFICANCE/FOLLICULAR LESION OF UNDETERMINED SIGNIFICANCE (AUS/FLUS) AMONGST PRIMARY CARE PHYSICIANS AT OUR INSTITUTION
 S. Karimi, L. Willard
- Poster 448 *Thyroid Nodules & Goiter* *Clinical*
 SAFETY OF SUTURELESS AND DRAINLESS OPEN THYROIDECTOMY USING ULTRASONIC COAGULATOR: PROSPECTIVE STUDY
 S. Lee
- Poster 449 *Thyroid Nodules & Goiter* *Clinical*
 3D ENDOSCOPIC THYROID SURGERY FOR LARGE GOITER VIA BILATERAL AXILLARY AND BREAST APPROACH (BABA): INITIAL INSTITUTIONAL EXPERIENCE FROM SUB-HIMALAYAN REGION
 G. Chand
- Poster 450 *Thyroid Nodules & Goiter* *Clinical*
 PERCUTANEOUS ETHANOL INJECTION: AN EFFICIENT AND NON-EXPENSIVE TREATMENT FOR SOLID, NON-FUNCTIONING BENIGN THYROID ADENOMAS, MEXICAN PILOT STUDY
 S. Miracle
- Short Call Poster 44 *Disorders of Thyroid Function* *Translational*
 THE POLYMORPHIC INHERITANCE OF DIO2 RS225014 MAY PREDICT BODY WEIGHT VARIATION AFTER GD TREATMENT
 A.P. Comarella, D. Villagelin, R. Santos, N. Bufalo, J. Romaldini, L. Ward
- Short Call Poster 45 *Disorders of Thyroid Function* *Clinical*
 THYROID DYSFUNCTIONS AND AUTOIMMUNITY IN BREAST CANCER PATIENTS: A PROSPECTIVE CASE CONTROL STUDY
 A. Mishra, C.K. Jha, S.B. Yadav, S. Singh, G. Chand, G. Agarwal, A. Agarwal, A.K. Varma, S.K. Mishra

- Short Call Poster 46 *Thyroid Cancer* *Basic*
 STUDY ON THE ROLE OF CSN6 IN THYROID PAPILLARY CARCINOMA CELLS
 D. Wen, W. Wei, Q. Ji
- Short Call Poster 47 *Thyroid Cancer* *Translational*
 GENOMIC LANDSCAPE OF HURTHLE CELL CARCINOMA
 I. Ganly, V. Makarov, V. Seshan, Y. Dong, I. Landa-Lopez, E. Reznik, R.A. Ghossein, J. Fagin, T. Chan
- Short Call Poster 48 *Thyroid Cancer* *Translational*
 INVOLVEMENT OF THE ARYL HYDROCARBON RECEPTOR (AHR) IN THYROID CELL TRANSFORMATION
 E. Puxeddu, E. Menicali, N. Nucci, S. Morelli, R. Colella, S. Moretti
- Short Call Poster 49 *Thyroid Cancer* *Clinical*
 SURGICAL CONFIRMATION OF INCOMPLETE TREATMENT FOR PRIMARY THYROID CARCINOMA BY PERCUTANEOUS THERMAL ABLATION: A RETROSPECTIVE STUDY FROM FUSCC
 B. Ma, Y. Wang, W. Wei, Q. Ji
- Short Call Poster 50 *Thyroid Cancer* *Clinical*
 INCREASED CANCER RISK IN THYROID NODULES WITH PAPILLARY FEATURES AND AN ATYPIA OF UNDETERMINED SIGNIFICANCE OR FOLLICULAR LESION OF UNDETERMINED SIGNIFICANCE CYTOPATHOLOGICAL DIAGNOSIS
 J. Oosthuizen, B. Walker, S.M. Wiseman
- Short Call Poster 51 *Thyroid Cancer* *Clinical*
 RE-CONSIDERATION ABOUT THE CRITERION OF EXCELLENT RESPONSE IN DTC PATIENTS
 H. Hu, X. Li, Y. Lin, J. Liang
- Short Call Poster 52 *Thyroid Cancer* *Clinical*
 ULTRASOUND-GUIDED PERCUTANEOUS ETHANOL ABLATION THERAPY FOR FIFTEEN PATIENTS WITH PAPILLARY THYROID MICROCARCINOMA: A NOVEL, EFFECTIVE AND WELL TOLERATED ALTERNATIVE TO NECK SURGERY OR OBSERVATION
 I.D. Hay, R. Lee, J. Morris, M. Stan, M. Castro, V. Fatourechi, G. Thompson, C.C. Reading
- Short Call Poster 53 *Thyroid Hormone Action* *Clinical*
 USING I-131 THERAPY FOR GRAVES' DISEASE: SUCCESS AND THYROID HORMONE OUTCOMES IN PATIENTS AT A SINGLE INSTITUTION
 S. Malhotra, Y. Kushchayeva, J. Klubo-Gwiedzinska
- Short Call Poster 54 *Thyroid Imaging* *Clinical*
 THYROID ULTRASOUND MALIGNANCY SCORE (TUMS), A MACHINE LEARNING MODEL TO PREDICT THYROID MALIGNANCY FROM ULTRASOUND FEATURES
 J. Thomas, K.H. Hupart, R.K. Radhamma, G.A. Ledger, G. Singh
- Short Call Poster 55 *Thyroid Imaging* *Clinical*
 FAMILIAL PAPILLARY THYROID CARCINOMA NODULES PRESENT A MILD ULTRASOUND APPEARANCE COMPARED WITH SPORADIC PAPILLARY THYROID CARCINOMA
 Y. Wang, X. Lai, X. Li, L. Gao, R. Liu, B. Zhang
- Short Call Poster 56 *Thyroid Imaging* *Clinical*
 TITLE: OVERVIEW OF CLINICAL INDICATION FOR THYROID ULTRASOUND
 E.D. Luna, E.R. Maldonado, J.M. Bruder
- Short Call Poster 57 *Thyroid Nodules & Goiter* *Clinical*
 THYROID NO SURGERY TUMOR ABLATION: BREAKTHROUGH METHODS AND TECHNOLOGY ARE HERE
 R.B. Guttler
- 9:50 AM – 10:45 AM **Trainee Poster Contest in the Exhibit Hall**
 VCC, Crystal Garden (For ATA Trainee Poster Contest judges)

10:45 AM – 12:00 PM VCC, Lecture Theater	Basic Symposium: Novel Molecular Mechanisms of Thyroid Cancer <i>Chair: Young Kee Shong</i>	
	Nuclear Receptor Signaling Abnormalities in Thyroid Cancer	<i>Frances E. Carr</i>
	Synergistic Oncogene Interactions in Thyroid Cancer Progression and Clinical Outcomes	<i>Young Shin Song</i>
	Novel Mutations in Benign Thyroid Neoplasms: Results from Whole Exome Sequencing	<i>Guang Ning</i>
10:45 AM – 12:00 PM VCC, Salon AB	Clinical Symposium: Surgical Treatment of Thyroid Cancer – The Fine Arts <i>Chair: Emad Kandil</i>	
	Subtleties in Surgical Management of Recurrent Differentiated Thyroid Cancer	<i>Ralph P. Tufano</i>
	Intraoperative Neuromonitoring in Thyroidectomy for Thyroid Cancer	<i>Gaosong Wu</i>
	Trans-Oral Robotic Thyroid Surgery for Papillary Thyroid Cancer	<i>Hoon Yub Kim</i>
12:00 PM – 1:00 PM VCC, Crystal Garden	Poster Review and Break in the Exhibit Hall	
12:00 PM – 1:00 PM VCC, Saanich	Ridgway Trainee Conference: Basic Trainees Lunch Session – Career Tracks (Open to all trainees; Lunch ticket required for meal) <i>Moderator: Salma Khan</i>	<i>Aimee T. Franco</i> <i>Veerle Darras</i>
12:00 PM – 1:00 PM Fairmont, Crystal Ballroom	Ridgway Trainee Conference: Clinical Trainees Lunch Session – Career Tracks (Open to all trainees; Lunch ticket required for meal) <i>Moderator: Steven P. Weitzman</i>	<i>Jay Watsky</i> <i>Joshua P. Klopper</i> <i>Stephanie A. Fish</i> <i>Richard T. Kloos</i>
12:00 PM – 1:00 PM VCC, Oak Bay	ATA Expo Theater Presented by Eisai, Inc.: LENVIVA Product Theater (Limited seating; first-come, first served; lunch offered)	<i>Bryan McIver</i>
1:00 PM – 1:45 PM VCC, Salon AB	Sidney H. Ingbar Distinguished Award Lectureship Genomic Evolution of Thyroid Nodules and Cancer – New Answers to Old Questions <i>Introduction: Sally E. Carty</i>	<i>Yuri Nikiforov</i>
1:30 PM VCC, Crystal Garden	Exhibit and Poster Hall Closes	
1:50 PM – 3:05 PM VCC, Lecture Theater	Basic Symposium: Novel Drug Treatments in Thyroid Oncology – An Update <i>Chair: Steven I. Sherman</i>	
	Novel Drug Treatments of Medullary Thyroid Cancer	<i>Rossella Elisei</i>
	Novel Drug Treatments of Differentiated Thyroid Cancer	<i>Douglas W. Ball</i>
	Novel Drug Treatments of Anaplastic Thyroid Cancer	<i>Keith C. Bible</i>
1:50 PM – 3:05 PM VCC, Salon AB	Arthur Bauman Clinical Symposium: Thyroid Autoimmunity <i>Chair: Terry F. Davies</i>	
	Thyroid Autoimmunity: Overlap with Other Autoimmune Diseases	<i>George J. Kahaly</i>
	Thyroid Autoimmunity in the Elderly	<i>Kristien Boelaert</i>
	Current Treatment Standards and Future Perspectives of Graves' Disease	<i>Marius Stan</i>
2:00 PM – 4:00 PM Fairmont, Shaughnessy	ATA Alliance for Patient Education Free Public Forum (Open to the general public and all meeting attendees)	
	<i>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'</i>	

3:05 PM – 3:20 PM
VCC, Salon AB Foyer

Refreshment Break

3:20 PM – 4:50 PM
VCC, Lecture Theater

Basic/Translational Oral Abstracts Session: Thyroid Hormone and Receptor (6 total)

Co-Chairs: Vasyl V. Vasko and Linwah Yip

- Oral Abstract #28: Probing the Thyroid Phenotype of Sbp2 Deficiency *Haruki Fujisawa*
Oral Abstract #23: Thyromimetics Lower Cerebral Levels of Very Long Chain Fatty Acids in Mouse Model of X-Linked Adrenoleukodystrophy *Meredith D. Hartley*
Oral Abstract #24: MCT8-Dependent Thyroid Hormone Uptake Promotes Neurogenesis and Radial Cell Migration Crucial for Proper Cortical Development *Veerle M. Darras*
Oral Abstract #25: Molecular and Genetic Analyses of the Function of Thyroid Hormone Receptor Coactivator SRC3 During Xenopus Postembryonic Development *Lingyu Bao*
Oral Abstract #26: Thyroid Hormone Regulates KiSS1 Gene Expression Through PI3K/Akt-mTOR Signaling Pathway and Specificity Protein-1 *Gang Chen*
Oral Abstract #27: Non-Genomic Effects of Thyroid Hormones on Mesenchymal Stem Cells and Angiogenesis *Kathrin A. Schmohl*

3:20 PM – 4:50 PM
VCC, Salon AB

Clinical Oral Abstracts Session: Thyroid Cancer (6 total)

Chair: Masha Livhits and Douglas Van Nostrand

- Oral Abstract #29: Clinical Validation of the Afirma Genomic Sequencing Classifier for Medullary Thyroid Cancer *Gregory W. Randolph*
Oral Abstract #30: Ultrasound-Guided Radiofrequency Ablation of Low-Risk Papillary Thyroid Microcarcinoma: A Prospective Study on 421 Patients *Mingbo Zhang*
Oral Abstract #31: Thyroglobulin Does Not Correlate With Response in Radioactive Iodine Refractory (RAIR) BRAF Mutated Papillary Thyroid Cancer (PTC) Treated With Dabrafenib Alone or in Combination with Trametinib *Bhavana Konda*
Oral Abstract #32: Age and Gender Distribution of Thyroid Nodular Lesions Found in Thyroid Ultrasound Examination Within Three Years After the Nuclear Accident: The Fukushima Health Management Survey *Hiroki Shimura*
Oral Abstract #33: US Prediction of Highly Aggressive TERT Promoter-Mutated Papillary Thyroid Cancer *Tae Hyuk Kim*
Oral Abstract #34: Patient Age-Associated Mortality Risk Is Differentiated by the BRAF V600E Status in Papillary Thyroid Cancer *Xiaopei Shen*

4:50 PM – 5:45 PM

Discussion-Debates/ Meet the Professor Workshops (6 total)

VCC, Saanich

• **DM 13: Novel Genetic Mouse Models for Basic Thyroid Research**

Moderator: James A. Fagin

- Genetic Mouse Models on Thyroid Hormones in Hearing *Douglas Forrest*
Transgenic Mouse Models in the Thyroid Cancer Microenvironment *Aime T. Franco*

VCC, Salon AB

• **DM 14: Low-Risk Thyroid Cancer**

Moderator: Anna M. Sawka

- Cancers That Don't Require Surgery at All: Micro-PTC Observation *Allen S. Ho*
Cancers that are not Cancers (NIFTP) *Yuri Nikiforov*

VCC, Salon C

• **DM 15: Updates in the Understanding of T3, T4, and Thyroid Hormone Derivatives**

Moderator: Brian W. Kim

- Combination T3 and T4: What's New? *Jacqueline Jonklaas*
Thyronamines – Thyroid Hormone Derivatives: Biological Actions and Clinical Implications *Riccardo Zucchi*

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| VCC, Esquimalt | <ul style="list-style-type: none"> • DM 16: Obesity and the Thyroid
 <i>Moderator: Elizabeth N. Pearce</i>
 Thyroid Function in Weight Gain: Underlying Mechanisms
 Thyroid Function and the Metabolic Syndrome | <i>Shen Qu</i>
<i>Sun Y. Lee</i> |
| VCC, Colwood | <ul style="list-style-type: none"> • DM 17: Quality of Life in Thyroid Disease
 <i>Moderator: Jeffrey R. Garber</i>
 The ThyPRO Quality of Life Questionnaire
 Quality of Life in Thyroid Cancer Patients | <i>Torquil Watt</i>
<i>Brisa Aschebrook-Kilfoy</i>
<i>and Raymon H. Grogan</i> |
| VCC, Lecture Theater | <ul style="list-style-type: none"> • DM 18: Use of PET Imaging in Thyroid Nodules and Thyroid Cancer
 <i>Moderator: Kenneth D. Burman</i>
 Evaluation of Incidental PET-Positive Thyroid Lesions
 Use of PET Imaging in Thyroid Cancer: Indications and Interpretation | <i>Jacques How</i>
<i>Mehrbod Javadi</i> |

**87TH ANNUAL MEETING OF THE ATA
SUNDAY, OCTOBER 22, 2017**

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| 7:45 AM – 11:15 AM
Fairmont, Palm Court | ATA Registration Open | |
| 8:00 AM – 8:05 AM
Fairmont, Crystal Ballroom | Morning/Closing Announcements | <i>Angela M. Leung</i>
<i>Mingzhao Xing</i> |
| 8:05 AM – 9:20 AM
Fairmont, Crystal Ballroom | Iodine Global Network Symposium
<i>Chair: Elizabeth N. Pearce</i> | |
| | Understanding Iodine Sources in National Diets
Status and Source of Iodine in U.S. Diets
The Current Status of Iodine Nutrition in Canada | <i>Jonathan Gorstein</i>
<i>Cria G. Perrine</i>
<i>Mary L'Abbe</i> |
| 9:25 AM – 11:00 AM
Fairmont, Crystal Ballroom | Thyroid Cancer Tumor Board
<i>Moderator: Manisha H. Shah</i> | |
| | Endocrinology/Molecular Markers
Oncology
Surgery
Surgery
Pathology/Molecular Markers
Thyroid Sonography
Radiology | <i>Bryan McIver</i>
<i>Lori J. Wirth</i>
<i>Gregory W. Randolph</i>
<i>David J. Terris</i>
<i>Ronald A. Ghossein</i>
<i>Jennifer A. Sipos</i>
<i>James D. Brierley</i> |
| 11:00 AM | 87th Annual Meeting of the ATA Concludes | |