

18:20-19:00 **Aldosterone1**

Chair: Michio Otsuki (Department of Metabolic Medicine, Osaka University Graduate School of Medicine, Japan)

**P1-1** Relationship Between Visceral Fat and Plasma Aldosterone Concentration In Patients With Primary Aldosteronism

**Yui Shibayama**

Department of Diabetes and Endocrinology, Sapporo City General Hospital, Japan /  
Department of Rheumatology, Endocrinology and Nephrology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan

**P1-2** The significance of KCNJ5 mutation in aldosterone-producing adenoma on 18-oxocortisol synthesis.

**Yuta Tezuka**

Division of Metabolism, Endocrinology and Diabetes, University of Michigan, USA

**P1-3** Reversal of arterial stiffness in Medically and Surgically treated primary aldosteronism

**Zheng-Wei Chen**

Department of Internal Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan /  
Department of Internal Medicine, National Taiwan University Hospital Yun-Lin Branch, Yun-Lin, Taiwan

**P1-4** Serum calcium level can be useful to identify primary aldosteronism caused by aldosterone-producing adenoma

**JungSoo Lim**

Department of Internal Medicine, Institute of Evidence Based Medicine, Yonsei University Wonju College of Medicine, Korea

**P1-5** A case report of adrenal infarction and its aldosterone secretory ability

**Takuya Kobayashi**

Third Department of Internal Medicine, Yamagata University School of Medicine, Japan

**P1-6** High-throughput screening of novel therapeutics against primary aldosteronism

**Keita Hoshi**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

**P1-7** Seated Saline Infusion Test in Predicting Subtype Diagnosis of Primary Aldosteronism

**Hiroki Kaneko**

Department of Endocrinology and Metabolism, National Hospital Organization Kyoto Medical Center, Kyoto, Japan

18:20-19:00 **DM & obesity**

Chair: Takuyuki Katabami (Division of Metabolism and Endocrinology, Department of Internal Medicine, St. Marianna University School of Medicine Yokohama City Seibu Hospital, Yokohama, Japan)

**P2-1** Effects of metformin in diabetic aging female rat: a future therapy for neurodegenerative diseases

**Pardeep Kumar**

School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

**P2-2** Impacts of High-Fructose Diet in Blood Pressure, Renal Damages and Renin-Angiotensin System in Dahl Salt-Sensitive and Salt-Resistant Rats

**Lusi Xu**

Department of Internal Medicine and Rehabilitation Science, Tohoku University Graduate School of Medicine, Sendai, Japan

**P2-3** Hypertension, Obesity, Diabetes, and Heart Failure-free Survival: The Cardiovascular Disease Lifetime Risk Pooling Project in New Delhi, India

**Sanjay Kumar**

Faculty of Medicine, Chaudhary Charan Singh University, India

**P2-4** Fasting plasma glucose with waist circumference in middle aged women

**Arun Rao**

Department of Zoology, Janta Koshi College, (A Constituent Unit of Lalit Narayan Mithila University, India

**P2-5** Association of Occupational & Prediabetes Status with Obesity in middle aged Women

**Arun Rao**

Department of Zoology, Janta Koshi College, (A Constituent Unit of Lalit Narayan Mithila University, India

**P2-6** Carbohydrate response element binding protein, ChREBP, causes renal tubular damage in diabetic kidney

**Susumu Suzuki**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

**P2-7** Elucidation of HNF4 $\alpha$ -mediated transcriptional mechanism of gluconeogenic genes in the liver

**Rina Momma**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

## 18:20-19:00 RAAS&Salt

Chair: Yasuhiro Nakamura (Division of Pathology, Faculty of Medicine, Tohoku Medical and Pharmaceutical University, Japan)

**P3-1** Xanthine oxidase inhibitor febuxostat ameliorates hypertensive heart disease and cardiac renin-angiotensin system in Dahl salt-sensitive rats

**Asako Namai-Takahashi**

Division of General Medicine and Rehabilitation, Faculty of Medicine, Tohoku Medical Pharmaceutical University, Japan

**P3-2** High Salt Intake-increased (Pro)renin receptor Expression is Exaggerated in the Kidney of Dahl Salt-Sensitive Rats

**Seiko Yamakoshi**

Department of Internal Medicine and Rehabilitation Science, Tohoku University Graduate School of Medicine, Japan

**P3-3** Inhibition of autophagy induced accumulation of soluble (pro)renin receptor in cultured cancer cells

**Moe Endo**

Department of Endocrinology and Applied Medical Science, Tohoku University Graduate School of Medicine, Japan

**P3-4** Mechanism of cell proliferative effects by insulin and (pro) renin receptor in human cancer cultured cells.

**Shigemitsu Sato**

Department of Endocrinology and Applied Medical Science, Tohoku University Graduate School of Medicine, Sendai, Japan

**P3-5** Effects of anti-cancer agents on soluble (pro)renin receptor expression in cultured human breast cancer cells and lung cancer cells

**Yurina Yokota**

Tohoku University, Japan

**P3-6** Importance of dietary salt intake for the efficacy of mineralocorticoid receptor blockade against ACEI/ARB-resistant albuminuria: –a sub-analysis of EVALUATE study–

**Mitsuhiro Nishimoto**

Division of Clinical Epigenetics, Research Center for Advanced Science and Technology, the University of Tokyo, Japan

**P3-7** Two different mechanism of pendrin regulation by mineralocorticoid receptor in distal nephron

**Nobuhiro Ayuzawa**

Research Center for Advanced Science and Technology, The University of Tokyo, Japan

**P3-8** Angiotensin II causes synergistic effects for the ligand activation of farnesoid X receptor (FXR)

**Hiroki Shimada**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

## 18:20-19:00 Aldosterone2

Chair: Takashi Yoneda (Department of Health Promotion and Medicine of Future, Kanazawa University, Japan)

**P4-1** C-Arm Computed Tomography-Assisted Adrenal Venous Sampling Improved Right Adrenal Vein Cannulation and Sampling Quality in Primary Aldosteronism

**DongYeob Shin**

Division of Endocrinology and Metabolism, Department of Internal Medicine, Yonsei University College of Medicine, Korea

**P4-2** Prognostic Value of 11C-Metomidate PET in Primary Aldosteronism

**Ching-Chu Lu**

Department of Nuclear Medicine, National Taiwan University Hospital, Taiwan

**P4-3** Impact of anomalous vein drainage on adrenal venous sampling (avs) success: two case report

**Jacopo Pieroni**

Department of Medical Science, Division of Internal Medicine, University of Turin, Italy

**P4-4** Prediction Models for Diagnosis of Primary Aldosteronism Subtype using Artificial Intelligence

**Keita Tsuyuguchi**

Kanazawa University, Japan

**P4-5** Excess cortisol and kidney damage may lead PRA elevation and mask PRA suppression in PA patients.

**Haremaru Kubo**

Endocrinology and Diabetes Center, Yokohama Rosai Hospital, Japan

**P4-6** The Left-Right Differences in Adrenal Vein Sampling for Primary Aldosteronism

**Arina Miyoshi**

Department of Diabetes and Endocrinology, Sapporo City General Hospital, Japan

**P4-7** Aldosterone Values in the Tributary Veins of Unresected Adrenal Gland Have Influences on Primary Aldosteronism Surgical Outcomes

**Kazuki Nakai**

Endocrinology and Diabetes Centre, Yokohama Rosai Hospital /  
Division of Nephrology and Endocrinology, The University of Tokyo Hospital, Japan

**19:00-19:40 Aldosterone3**

Chair: Megumi Fujita (Department of Nephrology and Endocrinology, The University of Tokyo Hospital, Japan)

**P5-1** Renal injuries in Primary Aldosteronism patients are different from Essential Hypertension ~Morphometrical analysis of their kidneys and adrenal glands~

**Hiroko Ogata**

Department of pathology, Tohoku University Graduate School of Medicine, Japan

**P5-2** Incidental Congestive Heart Failure in Patients with Primary Aldosteronism

**WeiChieh Huang**

Taipei Veterans General Hospital, Taiwan

**P5-3** Composite cardiovascular outcomes in patients with primary aldosteronism having medical versus surgical treatment: a meta-analysis

**WeiChieh Huang**

Taipei Veterans General Hospital, Taiwan

**P5-4** Adrenalectomy improves the long-term risk of End-Stage Renal Disease and Mortality of Primary Aldosteronism

**Ying-Ying Chen**

Division of Nephrology, Department of Internal Medicine, MacKay Memorial Hospital, Taipei, Taiwan

**P5-5** Increased left ventricular hypertrophy in primary aldosteronism and regression after adrenalectomy: a single-center prospective cohort study

**Chien-Ting Pan**

Department of Internal Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

**P5-6** Performing both saline infusion and captopril challenge test reflects the risk of cardiovascular and cerebrovascular events in primary aldosteronism

**Aya Saiki**

Departments of Metabolic Medicine, Osaka University Graduate School of Medicine, Japan

**P5-7** Atrial fibrillation as a proxy for Complete Clinical Success in Patients with Surgically Treated Primary Aldosteronism

**Yu-Feng Lin**

Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan / Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine, Taipei, Taiwan / Division of Hospital Medicine, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan

**P5-8** Effect of Aldosterone on Adiposity  
-The Role Glucose Absorption in the Small Intestine-

**Hidekazu Shirai**

Division of Clinical Pharmacology and Therapeutics, Tohoku University Graduate School of Pharmaceutical Sciences & Faculty of Pharmaceutical Sciences, Japan

**19:00-19:40 Aldosterone4**

Chair: Isao Kurihara (Keio University School of Medicine, Division of Endocrinology, Metabolism and Nephrology, Japan)

**P6-1** The crosstalk between aldosterone and calcium metabolism in aldosterone-producing adenomas

**Xin Gao**

Department of Pathology, Tohoku University, Graduate School of Medicine, Japan

**P6-2** Inhibition of Wnt/ $\beta$ -catenin signaling ameliorates aldosterone induced renal fibrosis

**Kang-Yung Peng**

Department of Internal Medicine, National Taiwan University Hospital, Taiwan /  
TAIPAI (Taiwan Primary Aldosteronism Investigation)

**P6-3** Molecular chaperone CLGN associates with aldosterone production in APA and APCC.

**Kiyotaka Itcho**

Department of Molecular and Internal Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima, Japan

**P6-4** An approach to identify the undetermined adipocyte-derived factor(s) that stimulate aldosterone synthase gene (CYP11B2) expression

**Jun Sakamoto**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

**P6-5** Aldosterone coupling FGF-23 production and cleavage in aldosteronism

**Bo-Ching Lee**

Department of Medical Imaging, National Taiwan University Hospital, Taiwan

**P6-6** Expression of KCN gene family in steroidogenic cells derived from mesenchymal stem cells

**Takashi Yazawa**

Department of Biochemistry, Asahikawa Medical University, Japan

**P6-7** A novel mechanism for aldosterone production through beta 3 adrenergic receptor (b3-AR) in heart failure

**Kaoru Yamashita**

Department of Endocrinology and Hypertension, Tokyo Women's Medical University, Japan

**P6-8** Development of a novel Janus particle-based immunoassay for screening of primary aldosteronism

**Satsuki M. Sato**

Grad. Sch. Environmental Studies, Tohoku Univ, Japan

## 19:00-19:40 Lipids

Chair: Ryo Morimoto (Tohoku University Hospital, Japan)

**P7-1** Hypolipidemic and Anti-atherosclerotic activity of methanolic extract of leaves of *Carissa salicina* Lam (Apocynaceae) in diet-induced hypercholesterolemic rats

**Deepika Singh**

Department of Pharmaceutical Sciences, Shuats, Allahabad, India

**P7-2** An attempt to envisage insulin secretion during visceral leishmaniasis

**Sukrat Sinha**

Nehru Gram Bharati University, India

**P7-3** Functional screening of transcriptional co-factors for a glucose-responsive transcriptional factor ChREBP

**Erika Noro**

Department of Molecular Endocrinology, Tohoku University Graduate School of Medicine, Japan

**P7-4** Malondialdehyde (MDA) Measurements on Heart of Hyperlipidemic Rats (*Rattus norvegicus*) Treated With Date Palm And Kefir Grains Beverage

**AlfianNovanda Yosanto**

Medical Student, Faculty of Medicine, Universitas Islam Indonesia, Indonesia

**P7-5** Measurement of malondialdehyde (mda) level on rat's heart induced hyperlipidemia treating by water kefir combining orange fruit

**Naufal Arif Ismail**

Medical Student, Faculty of Medicine, Universitas Islam Indonesia, Indonesia

**P7-6** Exon 4-encoded domain of (pro)renin receptor impairs several V-ATPase-mediated functions

**Takuo Hirose**

Division of Nephrology and Endocrinology, Tohoku Medical and Pharmaceutical University, Sendai, Japan /  
Division of Nephrology, Endocrinology and Vascular Medicine, Department of Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan /  
Center for Interdisciplinary Research in Biology College de France, Paris, France

**P7-7** The Effect of Synbiotic Drink from Kefir Milk and Jicama Concentrate (*Pachyrhizus erosus*) on Superoxide Dismutase Activity in Liver Tissue of The Hyperlipidemic Rats Model

**Rafik Prabowo**

Undergraduate Program of Medicine, Faculty of Medicine, Universitas Islam Indonesia, Yogyakarta, Indonesia

#### 19:00-19:40 Other hormones

Chair: Shigeru Shibata (Teikyo University, Japan)

**P8-1** 3T MRI evaluation of regional catecholamine-producing tumor-induced myocardial injury

**Satoshi Higuchi**

Departments of Diagnostic Radiology, Tohoku University Hospital, Japan

**P8-2** Steroidomics reveals metabolic signatures of preeclampsia in serum and placenta

**Soyun Han**

Molecular Recognition Research Center, KIST, Korea /  
College of Life Sciences, Korea University, Korea

**P8-3** Association between Lys198Asn polymorphism of Endothelin-1 gene and Ischemic Stroke: A Meta-Analysis

**Gaurav Nepal**

Tribhuvan University Institute of Medicine, Nepal

**P8-4** Age-dependent different action of curcumin in thyroid of rat

**Vikas Sharma**

School of Biotechnology, Guru Gobind Singh Indraprastha University, New Delhi, India

**P8-5** Neuroprotective role of 17 $\beta$  estradiol against amyloid beta neurotoxicity in synaptosomes of aging female rats.

**Pardeep Kumar**

School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

**P8-6** Modulation and role of brain neurotransmitters in pilocarpine-induced seizures in the rat

**Nitin Kumar**

Department of Basic and applied sciences, Vivekananda Global University, India

**P8-7** Rolipram, a PDE-IV inhibitor protects against experimental Parkinsonism in mice

**Nitin Kumar**

Department of Basic and applied sciences, Vivekananda Global University, India

**P8-8** Novel Reduced Uterine Perfusion Pressure (RUPP) Model Of Preeclampsia In Mice

**Akiyo Sekimoto**

Department of Clinical Pharmacology and Therapeutics, Tohoku University Graduate School of Pharmaceutical Sciences and Faculty of Pharmaceutical Sciences., Japan / Department of Nephrology, Endocrinology, and Vascular Medicine, Tohoku University Graduate School of Medicine.

**P8-9** Identification of novel AR coregulators via endogenous purification

**Atsushi Yokoyama**

Tohoku University Graduate School of Medicine, Japan