Poster Presentation

Poster 1 Genetic abnormalities: Study

P-1

Analysis of TRPC6 variation in children with steroid-resistant nephritic syndrome

Zhang Yao, Yu Li, Yu Sheng-You

Department of Pediatrics, Guangzhou First People's Hospital, China

P-2

Sphingomyelin phosphodiesterase acid-like 3b (SMPDL3b) mediates TLR3 signaling in human podocytes

Shojiro Watanabe, Takao Karasawa, Shun Hashimoto, Hidenori Umetsu, Riko Sato, Masashi Fujita, Tomomi Aizawa, Koji Tsugawa, Hiroshi Tanaka

Department of Pediatrics, Hirosaki University, Japan

P-3

Association of podocyte lesions with novel CUBN gene mutations in three isolated proteinuric children

Jing Yang, Linxia Deng, Liru Qiu, Yu Zhang, Jianhua Zhou

Tongji Hospital, Tongji Medical college, Huazhong University of Science and Technology, Wuhan, China

P-4

Genotype-phenotype correlations in pediatric patients with HNF1B mutations

Seon Hee Lim¹, Ji Hyun Kim², Jungsue Kim³, Kyoung Hee Han⁴, Hee Gyung Kang¹, Il-Soo Ha¹, Yo Han Ahn¹, Hae Il Cheong⁵

- ${\it 1. Department of Pediatrics, Seoul \ National \ University of \ Children's \ Hospital, Seoul, \ Korea}$
- 2. Department of Pediatrics, Bundang Seoul National University Hospital, Seongnam, Korea
- 3. Department of Pediatrics, Cheongju St. Mary's Hospital, Cheongju, Korea
- 4. Department of Pediatrics, Jeju National University School of Medicine, Jeju, Korea
- 5. Department of Pediatrics, Hallym University Hospital, Anyang, Korea

P-5

The Clinical and Genetic Heterogeneity of Chinese Children with TTC21B Mutation Caused Nephronophthisis-Related Ciliopathies

<u>Lei Sun</u>¹, Jing Zhang¹, Xin-yu Kuang¹, Chen-hui Huang², Yu-lin Kang¹, Wen-yan Huang¹

- 1. Department of Nephrology and Rheumatology, Shanghai Children's Hospital, Shanghai Jiaotong University, Shanghai, PR China
- 2. Shanghai Institute of Precision Medicine, Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, PR China

Poster 2 Genetic Abnormalities: Case

P-6

A Novel Compound Heterozygous Mutation in LAMB2 Gene in a Chinese Boy With Isolated Proteinuria

Ling Hou, Yubin Wu, Zhao Chengguang, Yue Du

Department of Pediatric Nephrology, Shengjing Hospital of China Medical University, China

P-7

A PKD1 and SLC36A2 mutation in pediatric patient with polycystic kidney and nephrocalcinosis

Jeong Yeon Kim¹, Beom Hee Lee², Heeyeon Cho¹

- 1. Department of Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea
- 2. Department of Pediatrics, Asan Medical Center Children's Hospital, University of Ulsan College of Medicine, Seoul, Korea

A novel de novo truncating TRIM8 mutation associated with childhood-onset focal segmental glomerulosclerosis without epileptic encephalopathy

Yoko Shirai¹, Kenichiro Miura¹, Naoto Kaneko¹, Kiyonobu Ishizuka¹, Amane Endo², Taeko Hashimoto³, Shoichiro Kanda⁴, Yutaka Harita⁴, Motoshi Hattori¹

- 1. Department of Pediatric Nephrology, Tokyo Women's Medical University, Tokyo, Japan
- 2. Department of Pediatrics and Adolescent Medicine, Juntendo University Graduate School of Medicine, Tokyo, Japan
- 3. Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan
- 4. Department of Pediatrics, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-9

Mutations in TTC21B in two siblings with young childhood onset cause different phenotypes in China

Rong Liping, Zhou Min, Pei Yuxin, Mo Ying, Jiang Xiaoyun

Department of Pediatrics, The First Affiliated Hospital, Sun Yat-sen University

P-10

Exercise-induced acute kidney injury in an adolescent boy with a mutation of SCL22A12 gene causing renal hypouricemia

Erika Imura^{1,2}, Tae-Sun Ha^{1,2}

- 1. Department of Pediatrics, Chungbuk National University, College of Medicinel, Cheongju, Korea
- 2. Department of Pediatrics, Chungbuk National University Hospital, Cheongju, Korea

P-11

A case of focal segmental glomerulosclerosis (FSGS) in an infant in whom hepatic fibrosis were observed and mutations in TTC21B were identified

<u>Ryoko Harada</u>¹, Riku Hamada¹, Koki Tomari², Hayato Togashi¹, Takashi Honda¹, Kazushi Agata¹, Asako Kageyama¹, Ayumi Shimizu¹, Keiji Akamine¹, Chikako Terano¹, Naoya Morisada^{3,4}, Kandai Nozu⁴, Kentaro Ogata⁵, Kazumoto Iijima⁴, Masataka Honda¹, Hiroshi Hataya¹

- 1. Department of Nephrology Tokyo Metropolitan Children's Medical Center, Tokyo Japan
- 2. Department of General Pediatrics, Okinawa Prefectural Nanbu Medical Center & Children's Medical Center
- 3. Department of Clinical Genetics, Hyogo Prefectural Kobe Children's Hospital, Japan
- 4.Department of Pediatrics, Kobe University Graduate School of Medicine, Japan
- 5.Department of Diagnostic Pathology, Federation of National Public Service Personnel Mutual Aid Associations, Tachikawa Hospital, Japan

P-12

A case of Gordon syndrome with a CUL3 mutation presented with short stature

<u>Ji Hong Park</u>¹, Hee Gyung Kang¹, Il-Soo Ha¹, Hae Il Cheong¹, Yo Han Ahn²

- 1. Department of Pediatrics, Seoul National University Children's Hospital, Seoul, Korea
- 2. Department of Pediatrics, Seoul National University Bundang Hospital, Seongnam, Korea

P-13

Two male relatives with OFD1 mutations

Takuzo Wada¹, Yuko Shima¹, Yu Tanaka¹, Hironobu Mukaiyama¹, Naoya Morisada², Kandai Nozu², Kazumoto Iijima², Koichi Nakanishi³

- 1. Pediatrics, Wakayama Medical University, Japan
- 2. Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
- 3. Department of Pediatrics, Graduate School of Medicine, University of Ryukyus, Nishihara, Japan

P-14

A case with Proteinuria and Renal biopsy findings resembling Fabry disease

Han Geul Kim, Kee Hyuck Kim, Jeong Hae Kie

Departments of Pediatrics and Pathology, NHIS Ilsan Hospital, Goyang, Korea

A HNF1B-related disorders: two cases in Japanese

Shinichi Shiona¹, Yoshitsugu Kaku², Takuro Ohno¹

- 1. Department of Pediatrics, Oita Prefectural Hospital, Japan
- 2. Department of Nephrology, Fukuoka Children's Hospital, Japan

P-16

A case report of hereditary renal tubule dysplasia with anemia

Xiaoyuan Wang, Fang Wang, Jie Ding

Department of Pediatrics, Peking University First Hospital, Beijing, China

Poster 3 Alport syndrome

P-17

Alport syndrome overlapping with IgA nephropathy: a case report

Min Li, Youjing Xu, Hongrong Lin, Wei Han, Sijin Wang, Liangzhong Sun

Department of Pediatrics, Nanfang Hospital, Southern Medical University, Guangzhou, China

P-18

A Case of Autosomal Recessive Alport Syndrome with Acute Kidney Injury on Lisinopril medication

<u>Daisuke Nakanishi</u>¹, Wataru Shimabukuro¹, Kazuya Hamada¹, Shougo Nakada¹, Masatsugu Uehara², Shigeru Fukuyama², Tomoo Kise², Kandai Nozu³, Kazumoto Iijima³, Noriko Kinjo¹, Koichi Nakanishi¹

- 1. Department of Pediatrics, Graduate School of Medicine, University of the Ryukyus, Japan
- 2. Division of Pediatric Nephrology, Okinawa Prefectural Nanbu Medical Center-Children's Medical Center, Japan
- 3. Department of Pediatrics, Kobe University Graduate School of Medicine, Japan

P-19

Study on the timing of renal biopsy in Alport syndrome

<u>Yusuke Hiyoshi</u>¹, Ayuko Zaitsu¹, Kenichiro Miura², Eriko Tanaka³, Masayuki Ishihara⁴, Yoshinobu Nagaoka⁵, Rika Fujimaru⁶, Kazuki Tanaka⁷, Yuji Kano⁸, Riku Hamada⁹, Seiji Tanaka¹

- 1. Department of Pediatrics, Kurume University Hospital
- 2. Department of Nephrology and Pediatrics, Tokyo Women's Medical University
- 3. Department of Pediatrics, Kyorin University School of Medicine
- 4. Department of Pediatric and Adolescent Medicine, Kochi University School of Medicine
- 5. Department of Pediatrics, Sapporo Medical University Hospital
- 6. Department of Pediatric Medicine Center, Osaka City General Hospital
- 7. Aichi Children's Health and Medical Center
- 8. Department of Pediatrics, Nasu Red Cross Hospital
- 9. Tokyo Metropolitan Children's Medical Center

Poster 4 Congenital Disease

P-20

A case with familial short - rib thoracic dysplasia with or without polydactyly

Jiwon Jung¹, Beom Hee Lee^{1,2}, Joo Hoon Lee¹, Young Seo Park¹

- 1. Department of Pediatrics, Asan Medical Center Children's Hospital, University of Ulsan College of Medicine, Seoul, Korea
- 2. Department of Medical Genetics, Asan Medical Center Children's Hospital, University of Ulsan College of Medicine, Seoul, Korea

Wilson's disease in a child with nephrotic syndrome: a case report and literature review

HuiQin Zhou, Fang Deng

AnHui Provincial Children's Hospital, China

P-22

Withdrawn

P-23

A case of primary hyperoxaluria diagnosed by urine gas chromatography / mass spectrometry

Junichiro Araki¹, Yoriko Watanabe^{1,2}, Seiji Tanaka¹

- 1. Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan
- 2. Research Institute of Medical Mass Spectrometry, Kurume University School of Medicine, Kurume, Japan

P-24

A case of Russell-Silver syndrome born in the phenotype of Potter sequence and renal malformations

Hye Ran Ko¹, Hyeon Ju Lee², Kyoung Hee Han³

- 1. Jeju National University School of Medicine, Jeju, Korea
- 2. Department of Pediatrics, Jeju National University Hospital, Jeju, Korea
- 3. Department of Pediatrics, Jeju National University School of Medicine, Jeju, Korea

P-25

A case of cyclic vomiting syndrome with persistent strong hypertension

Hidetoshi Go¹, Tamaki Morohashi¹, Kimitaka Nakazaki¹, Shoichi Shimizu¹, Shori Takahashi², Ichiro Morioka¹

- 1. Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan
- 2. Itabashi Chuo Medical Center, Tokyo, Japan

P-26

Long-term outcome of Bartter syndrome

Naye Choi¹, Hyewon Park², Il-Soo Ha¹, Hae Il Cheong¹, Hee Gyung Kang¹

- 1. Departments of Pediatrics, Seoul National University Children's Hospital & College of Medicine
- 2. Departments of Pediatrics, Jang's Women's Hospital, Seoul, Korea

Poster 5 IgA nephropathy/HSPN

P-27

Involvement of activated cytotoxic T lymphocytes and natural killer cells in Henoch-Schönlein purpura nephritis

Takashi Imai¹, Kei Nishiyama¹, Kenji Ueki², Tamami Tanaka¹, Yoshitsugu Kaku³, Toshiro Hara⁴, Shouichi Ohga¹

- 1. Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- 2. Department of Medicine and Clinical Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- ${\it 3. Department of Pediatric Nephrology, Fukuoka Children's Hospital, Fukuoka, Japan}$
- 4. Kawasaki Disease Center, Fukuoka Children's Hospital, Fukuoka, Japan

P-28

MYH9 associated disorders with the onset of Henoch-Schönlein purpuric nephritis: a case report

Jingyi Wu, Lizhi Chen, Xiaoyun Jiang

Pediatric department, the First Affiliated Hospital of Sun Yat-sen University

A case of glomerulonephritis with the glomerular basement membrane abnormality and mesangial IgA deposition

Sadayuki Nagai¹, Shinya Ishiko¹, Shigeo Hara², Atsushi Kondo¹, Yuya Aoto¹, Nana Sakakibara¹, China Nagano¹, Tomoko Horinouchi¹, Tomohiko Yamamura¹, Takeshi Ninchoji¹, Yuko Shima³, Norishige Yoshikawa⁴, Koichi Nakanishi⁵, Kandai Nozu¹, Kazumoto Iijima¹

- 1. Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
- 2. Department of Diagnostic Pathology, Kobe University Graduate School of Medicine, Kobe, Japan
- 3. Department of Pediatrics, Wakayama Medical University, Wakayama, Japan
- 4. Clinical Research Center, Wakayama Medical University, Wakayama, Japan
- 5. Department of Child Health and Welfare (Pediatrics), Graduate School of Medicine, University of Ryukyus, Okinawa, Japan

P-30

The role of school urinalysis in the discovery of IgA nephropathy in the Kyushu / Okinawa area

<u>Kyoko Kiyota</u>^{1,2}, Katsuji Kuwakado^{2,3}, Yasufumi Otuka^{2,3}, Tomoyasu Kawano², Takao Konomoto², Mari Saimiya², Tosihiko Sirakawa^{2,3}, Seiji Tanaka², Masafumi Teramachi², Hitoshi Nakazato^{2,3}, Koichi Nakanishi², Kei Nishiyama², Ken Hatae², Akinori Miyazono², Yoshitsugu Kaku^{2,3}

- 1. Department of Pediatrics, Oita University Faculty of Medicine, Japan
- 2. Kyushu Pediatric Nephrology Study Group, Japan
- 3. The Kyushu council for in-school examination, Japan

Poster 6 C3 nephropathy/aHUS

P-31

Discrepancies between CH50 and Free C5 concentrations in 4 cases of aHUS treated with ravulizumab

Kazuki Tanaka¹, Naoya Fujita¹, Satoshi Hibino¹, Stephan Ortiz²

- 1. Department of Nephrology, Aichi Children's Health and Medical Center, Japan
- 2. Alexion Pharmaceuticals Inc, Boston, MA, USA

P-32

C3 Glomerulonephritis: A Entity of Complement Driven-Renal Disease in Children with Unsatisfactory Outcome

Yulin Kang, Ping Wang, Ying Wu, Guang-hua Zhu, Wen-yan Huang

Department of Nephrology and Rheumatology, Shanghai Children's Hospital, Shanghai Jiao Tong University, Shanghai, China

P-33

A case of crescent C3 glomerulonephritis (C3GN) difficult to distinguish from monoclonal immunoglobulin (Ig)G deposits (PGNMID)

Takashi Honda^{1,2}, <u>Riku Hamada</u>^{1,2}, Atsuko Anno², Kantaro Kobayashi², Keiji Akamine¹, Chikako Terano¹, Ryoko Harada¹, Hideyo Oguchi³, Takatoshi Tsuchihashi², Kazutoshi Shibuya⁴, Ken Sakai³, Hideo Cho², Yutaka Yamaguchi⁵, Masataka Honda¹, Hiroshi Hataya¹

- 1. Department of Nephrology, Tokyo Metropolitan Children's Medical Center, Japan
- 2. Department of Pediatrics, Kawasaki Municipal Hospital, Japan
- 3. Depatment of Nephrology, Toho University Faculty of Medicine
- 4. Department of Pathology, Toho University Faculty of Medicine
- 5. Yamaguchi's Pathology Laboratory

P-34

WT1 disorder associated with C3 glomerulonephritis? Difficulty in differential diagnosis: A case report

Lin Zhilang, Rong Liping, Pei Yuxin, Qiu Yuanquan, Yue Zhihui, Mo Ying, Jiang Xiaoyun

Department of Pediatrics, The First Affiliated Hospital, Sun Yat-sen University, China

Poster 7 Glimeruronephritis

P-35

Periodic Fever with Pauci-immune Crescentic Glomerulonephritis in a Chinese Girl

Lu Yin, Ling Hou, Yubin Wu, Zhao Chengguang, Yue Du

Department of Pediatric Nephrology, Shengjing Hospital of China Medical University, China

P-36

Focal segmental glomerulosclerosis in a patient with atypical progeroid

Seoyun Jang, Seon Hee Lim, Ji Hyun Kim, Beom Hee Lee, Hee Gyung Kang, Hae Il Cheong, Il-Soo Ha

Department of Pediatrics, Seoul National University Children's Hospital & College of Medicine, Seoul, Korea

P-37

A case of shunt nephritis characterized by Lupus-like syndrome

Liao Panli, Wang Xiaowen, Qi Chang, Zhu Gaohong, Ding Juanjuan, Zhang Hongying

Wuhan Children's Hospital (Wuhan Maternal and Child Healthcare Hospital), Tongji Medical College, Huazhong University of Science & Technology

P-38

Two cases of children who had hematuria with or without mild proteinuria with normal renal function and positive anti-neutrophil cytoplasmic antibody

Joo Hoon Lee¹, Jiwon Jung¹, Heounjeong Go², Young Seo Park¹

- 1. Department of Pediatrics, Asan Medical Center Children's Hospital, University of Ulsan College of Medicine, Seoul, Korea
- 2. Department of Pathology, Asan Medical Center Children's Hospital, University of Ulsan College of Medicine, Seoul, Korea

P-39

Staphylococcus associated glomerulonephritis in child: a case report and review of literature

Han Meigui, Han Ziming

Department of Pediatrics, The First Affiliated Hospital of Xinxiang Medical University, China

P-40

Withdrawn

P-41

Successful Treatment of two cases with Streptococcus Pneumoniae-associated Hemolytic Uremic Syndrome by anti-T-antibody Negative plasma exchange

Ling Hou, Yubin Wu, Yue Du

Department of Pediatric Nephrology, Shengjing Hospital of China Medical University, China

P-42

Case Report: Were Membranous nephropathy Associated With Evans' syndrome in Childhood?

Huiying Deng, Xia Gao, Ye Chen, Huabin Yang, Xiaoyi Cai, Hui Deng

Department of Nephrology, Guangzhou Women and Children Medical Center

Poster 8 Nephrotic sindrome

P-43

Nephrotic syndrome relapse in a boy with COVID-19

Akio Kagawa, Takuji Enya, Yuichi Morimoto, Rina Oshima, Kohei Miyazaki, Tomoki Miyazawa, Mitsuru Okada, Keisuke Sugimoto Department of Pediatrics, Kindai University Faculty of Medicine, Osaka-Sayama, Japan

P-44

A case of nephrotic syndrome caused by COQ6 gene mutation with significant podocyte hypertrophy

Baige Su, Suxia Wang, Xuhui Zhong, Xiaoyu Liu, Yanqin Zhang

Department of Pediatric, Peking University First Hospital, China

P-45

A steroid-resistant nephrotic syndrome in a patient with coenzyme Q6 mutation: a case report of two sibling

Eun Mi Yang, Hee Gyung Kang, Il Soo Ha, Hae Il Cheong

Department of Pediatrics, Chonnam National University Hospital and Chonnam National University Medical School, Seoul National University Children's Hospital

P-46

Intermediate stage of Citrin deficiency with nephrotic syndrome: a case report and literature review

Xu Lingling, Yue Zhihui, Peng Huimin, Mo Ying, Jiang Xiaoyun

Pediatric department, The First Affiliated Hospital, Sun Yat-sen University

P-47

Withdrawn

P-48

A case of thrombotic microangiopathy with nephrotic syndrome

Momoyo Matsuda, Ryutarou Hisatomi, Rika Fujimaru

Department of Pediatrics, Osaka City General Hospital, Osaka, Japan

P-49

Clinical analysis of children having primary nephrotic syndrome complicated with posterior reversible encephalopathy syndrome on treatment of immunosuppressants

Tan Junjie, Zhu Weixue, Yu Shengyou, Hao Zhihong, Yu Li, <u>Lu Wei</u>

Department of Pediatrics, Guangzhou First People's Hospital, Guangzhou, China

P-50

Pathological Findings of Acute Kidney Injury in a Nephrotic Syndrome Patient Requiring Emergency Dialysis during Methylprednisolone Pulse Therapy

Yoshinori Banno^{1,3}, Shunsuke Shinozuka¹, Yui Shibata¹, Yooka Nam¹, Shinsuke Matsumoto¹, Bunshiro Akikusa², Ryugo Hiramoto¹

- 1. Department of Pediatrics, Children's Medical Centre, Matsudo City General Hospital, Matsudo, Japan
- 2. Department of Pathology, Matsudo City General Hospital, Matsudo, Japan
- 3. Department of Pediatrics, National Hospital Organization Saitama Hospital, Wako, Japan

Poster 9 CKD/Dialysis

P-51

Schimke immuno-osseous dysplasia; disease progression after kidney transplantation

<u>Hyun Ah Woo</u>¹, Seonhee Lim¹, Ji Hyun Kim¹, Eujin Park², Yo Han Ahn¹, Seong Heon Kim³, Ghee Young Kwon⁴, Il-Soo Ha¹, Hae Il Cheong¹, Hee Gyung Kang¹

- 1. Departments of Pediatrics, Seoul National University Children's Hospital & College of Medicine
- 2. Kangnam Sacred Heart Hospital, College of Medicine, Hallym University
- 3. Pusan National University Children's Hospital, Yangsan, Korea
- 4. Departments of Pathology, Samsung Medical Center, Sungkyunkwan University School of Medicine

P-52

Risk factors for post-nephrectomy hypotension in pediatric patients: a single-center observational study

<u>Kentaro Nishi</u>¹, Koichi Kamei, Masao Ogura¹, Mai Sato¹, Sho Ishiwa^{1,2}, Yoko Shioda³, Chikako Kiyotani³, Kimikazu Matsumoto³, Kandai Nozu⁴, Kenji Ishikura^{1,5}, Shuichi Ito^{1,6}

- ${\it 1. Division of Nephrology and Rheumatology, National Center for Child Health and Development, Japan}$
- 2. Department of Pediatric Nephrology, Tokyo Women's Medical University, Japan
- 3. Children's Cancer Center, National Center for Child Health and Development, Japan
- 4. Department of Pediatrics, Kobe University Graduate School of Medicine, Japan
- 5. Department of Pediatrics, Kitasato University School of Medicine, Japan
- 6. Department of Pediatrics, Yokohama City University Graduate School of Medicine, Japan

P-53

Calcifications in children on maintenance peritoneal dialysis

Jeesu Min, Seon Hee Lim, Ji Hyun Kim, Il Soo Ha, Hae Il Cheong, Hee Gyung Kang

Department of Pediatrics, Seoul National University Hospital, Seoul, Korea

Poster 10 Others

P-54

A case of DICER1 syndrome presenting as Wilm's tumor and contralateral progressive cystic nephroma; Newly Known Cancer Predisposition Syndrome

Ji Yeon Song, Eu Jeen Yang, Chong Kun Cheon, Seong Heon Kim

Department of Pediatrics, Pusan National University Children's Hospital, Korea

P-55

A case of a 17-month-old boy presenting abnormal pelvic mass

Kyung Mi Jang, Yong Hoon Park

Department of Pediatrics, College of Medicine, Yeungnam University, Daegu, Korea

P-56

Additional preventative effect of probiotics on low-dose antibiotic prophylaxis for urinary tract infection in children with vesicoureteral reflux

Yuko Akagawa, Shohei Akagawa, Tadashi Yamaguchi, Sohsaku Yamanouchi, Takahisa Kimata, Shoji Tsuji, Kazunari Kaneko Department of Pediatrics, Kansai Medical University, Osaka, Japan

P-57

Group B streptococcal renal abscess in a 17-year-old girl with type 1 diabetes mellitus

Kyeong Eun Oh, Sung Man Park, Hyung Eun Yim, Kee Hwan Yoo

Department of Pediatrics, Korea University College of Medicine, Seoul, Korea