

Program

January 27 (Saturday)

Room 1 [2F Hitotsubashi Hall]

9:00 – 9:10

Opening remarks

Chairman: **Masaaki Kawada** (Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Center)

9:10 – 10:40

Symposium 1

ACHD surgery: What to know now

Chairs: **Masaaki Kawada** (Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Center, Jichi Medical University)

Tetsuya Kitagawa (Department of Cardiovascular Surgery, Tokushima University)

S1-1 Cone reconstruction for Ebstein's anomaly

Hajime Ichikawa¹⁾, Takaya Hoashi¹⁾, Tomohiro Nakata¹⁾, Masatoshi Shimada¹⁾, Hideto Ozawa¹⁾, Akihiko Higashida¹⁾, Hideo Ohuchi²⁾, Kennichi Kurosaki²⁾, Isao Shiraishi²⁾

National Cerebral and Cardiovascular Center, 1) Pediatric Cardiovascular Surgery, 2) Pediatric Cardiology

S1-2 Surgical options for the aortic valve with small annulus – significance of Konno operation

Kozo Matsuo¹⁾, Masashi Kabasawa¹⁾, Souich Asano¹⁾, Fumie Takechi²⁾, Hiroko Morishima²⁾, Shigeru Tateno²⁾, Yasutaka Kawasoe²⁾, Yoshitomo Okajima²⁾, Hirokazu Murayama¹⁾

Chiba Cerebral and Cardiovascular Center,

1) Department of Cardiovascular Surgery, 2) Division of Adult Congenital Heart Disease

S1-3 Fontan completion in adults and TCPC conversion

Takeshi Hiramatsu

Japanese Red Cross Kyoto Daini Hospital, Department of Cardiovascular Surgery

S1-4 Repair or revision surgery for adult patients with Atrio-ventricular septal defect (AVSD)

Masaaki Kawada

Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Center, Jichi Medical University

S1-5 Optimal timing of pulmonary valve replacement in repaired Tetralogy of Fallot: Review of our clinical criteria in Toronto

Angelo Dave C. Javier

Toronto Congenital Heart Center, for Adults UHN-Toronto General Hospital

S1-6 Long-term outcome of tricuspid valve replacement in patients with congenitally corrected transposition of the great arteries

Yoshiki Mori

Division of Pediatric Cardiology, Seirei Hamamatsu General Hospital

10:40 – 11:40 **Educational Seminar 1**

**Back ground of ACHD:
Understanding of Mechanism of Development of Congenital Heart Disease**

Chair: **Isao Shiraishi** (Research and Development Initiative Center, Department of Pediatric Cardiology,
National Cerebral and Cardiovascular Center)

EDS1-1 “The clinical cardiovascular embryology”

Hiroyuki Yamagishi
Keio University School of Medicine, Dept. of Pediatrics

11:50 – 12:30 **Special Lecture**

Chair: **Masaaki Kawada** (Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi,
Jichi Adult Congenital Heart Center, Jichi Medical University)

SL-1 “Medical Research in the Era of Informatics”

Ryozo Nagai
Jichi Medical University

12:40 – 13:30 **Luncheon Seminar 1**

Chair: **Koichiro Niwa** (St Luke's International Hospital, Cardiovascular Center)
Cosponsor: **Actelion Pharmaceuticals Japan Ltd.**

LS-1 What is the latest in PAH-CHD in 2018?

Professor Michael A. Gatzoulis, MD PhD FACC FESC
Royal Brompton Hospital and the National Heart & Lung Institute, Imperial College, London, UK

14:20 – 15:40 **Joint Session with Japanese Circulation Society (JCS)**

Heart Failure

Chairs: **Atsushi Yao** (The Tokyo University Hospital, Division of Health Service Promotion, Department of Cardiovascular
Medicine)
Mitsuaki Isobe (Sakakibara Heart Institute, President, Department of Cardiology)

JS1-1 Heart failure and Pharmacological treatment

Takayuki Inomata
Department of Cardiology, Kitasato University Kitasato Institute Hospital

JS1-2 Cardiac Resynchronization Therapy for Adult Congenital Heart Disease

Nobuhiro Nishii
Okayama University Hospital, Dept of Cardiovascular Medicine

JS1-3 Pulmonary valve replacement in adult patients with repaired congenital heart disease : single institutional retrospective study.

Akihiro Masuzawa, Ken-ichi Okamura, Ryouichi Kondo, Tetuhiro Takaoka, Yasutaka Hirata, Minoru Ono

The University of Tokyo Hospital, Department of Cardiac Surgery

JS1-4 Management of Fontan circulation

Hideo Ohuchi

Departments of Adult Congenital Heart Disease and Pediatric Cardiology, National Cerebral and Cardiovascular Center

15:40 – 17:00 **Symposium 4**

Catheter interventions for Adult Congenital Heart Disease

Chairs: **Koichi Kataoka** (Jichi Children's Medical Center Tochigi, Department of Pediatric Cardiology, Pediatric Intensive care Suite)

Hidehiko Hara (Toho University Medical Center Ohashi Hospital, Department of Cardiology)

S4-1 Overview of SHD and transcatheter intervention

Hidehiko Hara

Toho University Ohashi Medical Center, Division of Cardiovascular Medicine

S4-2 For Less invasive catheter intervention for structural heart disease

Masao Takahashi, Yasushi Imai, Nanaomi Kario

Jichi Medical University Hospital, Department of Cardiovascular Medicine

S4-3 Problems of the ASD device closure in the elderly aged 70 years or over.

Yukiko Ishiguchi, Masahiro Kamada, Naomi Nakagawa, Yuji Moritou, Kengo Okamoto

Hiroshima City Hiroshima Citizens Hospital, Pediatric Cardiology

S4-4 Diagnostic clues and clinical features of adult patients with ASD who underwent interventional closure ~Comparison with pediatric patients~

Kensuke Oka¹⁾, Koichi Kataoka^{1,3)}, Sadahiro Furui¹⁾, Daisuke Matsubara¹⁾, Takaomi Minami¹⁾, Takanori Yamagata¹⁾, Masaaki Kawada^{2,3)}, Kana Kubota⁴⁾, Yasushi Imai^{3,4)}

1) Pediatrics, Jichi Children's Medical Center Tochigi,

2) Pediatric Cardiovascular Surgery, Jichi Children's Medical Center Tochigi,

3) Adult Congenital Heart Disease Center, Jichi Medical University Hospital,

4) Cardiovascular Medicine, Jichi Medical University Hospital

**S4-5 Do we have all devices we need in Japan?
A single-center experience of percutaneous balloon dilatation in ACHD patients.**

Atsuko Kato, Hiroshi Nishikawa, Jun Sato, Kimihiro Yoshii, Daisuke Omori, Shuichiro Yoshida, Ohashi Naoki

JCHO Chukyo Hospital, Chukyo Pediatric Heart Center, Pediatric Cardiology

Life- and Social Supports for Patients with Adult Congenital Heart Disease

Chairs: **Takashi Higaki** (Ehime University Medical School, Department of Regional Pediatrics and Perinatology)
Miwa Iwasaki (The University of Tokyo Hospital, Department of Nursing)

S5-1 Employment support and Social independence of patients with Adult Congenital Heart Disease

Takashi Higaki^{1,2,3)}, Hidemi Takata^{1,2)}, Toyohisa Miyata²⁾, Keisuke Urata²⁾, Haruka Iwata²⁾, Toshiyuki Ito²⁾, Shoji Takahashi²⁾, Ryusuke Watanabe²⁾, Tomozo Moritani²⁾, Masaaki Ohta²⁾, Eiichi Ishii²⁾

1) Ehime University Graduate School of Medicine, Department of Regional Pediatrics and Perinatology,

2) Ehime University Graduate School of Medicine, Department of Pediatrics,

3) NPO La Famille, 4) Ehime Prefectural Central Hospital, Department of Pediatrics

S5-2 Transitional care and nursing support for patients with congenital heart disease : From the viewpoint of adult nursing.

Yoshiko Mizuno

Chiba Cerebral and Cardiovascular Center, Department of Nursing.

S5-3 Social Support for Adult Congenital Disease Patients

Isao Shiraishi, Ken-ichi Kurosaki, Jun Negishi, Tohru Iwasa, Hideo Ohuchi, Hajime Ichikawa
National Cerebral and Cardiovascular Center,

1) Research and Development Initiative Center, 2) Pediatric Cardiology, 3) Pediatric Cardiac Surgery

S5-4 Current status and issues of transitional care for patients with CHD in the University of Tokyo Hospital: Perspectives of pediatric healthcare team

Miwa Iwasaki

Department of Nursing, University of Tokyo Hospital

S5-5 For self-reliance and independence of ACHD patients: Viewpoints from patients and members support

Yoshiko Kaminaga

Association for the Protection of Children with Heart Disease (APCHD)

9:10 – 10:40 **Symposium 2****Pulmonary arterial hypertension**

Chairs: **Atsushi Yao** (The Tokyo University Hospital, Division of Health Service Promotion, Department of Cardiovascular Medicine)

Shozaburo Doi (Tokyo Medical and Dental University, Departments of Pediatrics and Perinatal Community Medicine)

S2-1 Treatment for pulmonary hypertension associated with adult congenital heart diseases

Satoshi Akagi

Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences,
Department of Cardiovascular Medicine

S2-2 How to apply 'Treat & Repair' for patients with unrepaired shunt-associated pulmonary arterial hypertension.

Atsushi Yao

The University of Tokyo Hospital, Dept of Cardiovascular Medicine

S2-3 Adult CHD-PAH in Childhood: Perspectives from Prevention

Yoshihide Mitani, Hirofumi Sawada, Hiroyuki Ohashi, Masahiro Hirayama

Department of Pediatrics, Mie University Graduate School of Medicine

S2-4 Pharmacological Intervention in the Management of Pulmonary Arterial Hypertension: from a Standpoint of Basic Research.

Noriaki Emoto

Clinical Pharmacy, Kobe Pharmaceutical University, Division of Cardiovascular Medicine,
Kobe University Graduate School of Medicine.

S2-5 Genetics and genomics of pulmonary hypertension

Hiroyuki Fukushima

Keio University School of Medicine, Department of Pediatrics

S2-6 Prospective, multi-institutional study on Eisenmenger syndrome in Japan: Progress report of analysis

Hisanori Sakazaki¹⁾, Koichiro Niwa²⁾

1) Hyogo Prefectural Amagasaki General Medical Center, Department of Pediatric Cardiology,

2) St Luke's International Hospital, Cardiovascular Center

10:40 – 11:40 **Seminar for Subspecialty in Japanese Pediatric Society (JPS)**

**Pregnancy/Delivery Issues in Women with Adult Congenital Heart Disease,
Valvar Heart Disease**

Chair: **Teiji Akagi** (Okayama University, Department of Cardiovascular Medicine)

SSJ-1 Cardiac Problems in Pregnancy

Tokuko Shinohara

Tokyo Women's Medical University, Department of Paediatric Cardiology

SSJ-2 Outcomes of valvular stenosis and regurgitation in pregnancy

Angelo Dave C. Javier

Toronto Congenital Cardiac Centre for Adults, UHN-Toronto General Hospital

12:40 – 13:30 **Luncheon Seminar 2**

Chairs: **Masaaki Kawada** (Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Center)

Cosponsor: **DAIICHI SANKYO COMPANY, LIMITED**

LS-2 Impact of thromboembolism in patients with ACHD.

Hiroshi Ito

Okayama University, Department of Cardiovascular Medicine

14:20 – 16:10 **Symposium 3**

Arrhythmias and management in Congenital Heart Disease

Chairs: **Morio Shoda** (Tokyo Women's Medical University, Department of Cardiology)

Yoshihito Hata (Showa University Northern Yokohama Hospital, Cardiovascular Center, Department of Cardiology)

S3-1 Arrhythmias associated with congenital heart disease

Morio Shoda

Department of Cardiology, Tokyo Women's Medical University

S3-2 Catheter ablation of supraventricular tachycardia in adults with congenital heart disease

Shigeru Tateno

Chiba Cerebral and Cardiovascular Center, Dept of Adult Congenital Heart Disease

S3-3 Catheter ablation for ventricular arrhythmias in adult congenital heart disease

Aya Miyazaki, Shin-ichiro Yoshimura, Makoto Miyake, Hiraku Doi

Congenital Heart Disease Center, Tenri Hospital

S3-4 ICD/CRT-D in patients with congenital heart disease

Jun Yoshimoto, Keisuke Sato, Sung-Hae Kim, Norie Mitsushita, Masaki Nii, Yasuhiko Tanaka

Department of Cardiology, Shizuoka Children's Hospital

- S3-5 Device therapy for bradyarrhythmia**
Tsugutoshi Suzuki
Osaka City General Hospital, Pediatric Electrophysiology

16:10 – 17:00 **Oral presentation 5**

Topics in late after CHD surgery

Chair: **Yutaka Imoto** (Kagoshima University, Department of Cardiovascular Surgery)

- O5-1 Intractable right heart failure due to cardiac cirrhosis in adult patients with congenital heart disease**
Hikari Miike¹⁾, Hideo Ohuchi^{1,2)}, Jun Negishi¹⁾, Toru Iwaasa¹⁾, Isao Shiraishi¹⁾, Ken-ichi Kurosaki¹⁾
National Cerebral and Cardiovascular Center,
1) Pediatric Cardiology Dept., 2) Adult Congenital Heart Disease Dept.
- O5-2 Positive Trajectory of Exercise Capacity During Childhood Predicts Better Adult Fontan Physiology**
Hideo Ohuchi¹⁾, Dai Suzuki²⁾, Hikari Miike²⁾, Yoshihito Morimoto²⁾, Yuka Toyoshima²⁾, Madori Osawa²⁾, Midori Fukuyama²⁾, Jun Negishi²⁾, Toru Iwasawa²⁾, Heima Sakaguchi²⁾, Etsuko Tsuda²⁾, Isao Shiraishi²⁾, Ken-ichi Kurosaki²⁾, Hajime Ichikawa³⁾
National Cerebral and Cardiovascular Center,
1) Dep. of Adult Congenital Heart Disease, 2) Dept. of Pediatric Cardiology,
3) Dept. of Pediatric Cardiovascular Surgery
- O5-3 Renal function of patients with Fontan operation**
Mamoru Muraoka¹⁾, Hazumu Nagata¹⁾, Kei Nishiyama¹⁾, Shunsuke Fujii¹⁾, Ryohei Matsuoka¹⁾, Yoshimi Eguchi¹⁾, Shoji Fukuoka¹⁾, Kiyoshi Uike¹⁾, Yusaku Nagatomo¹⁾, Yuichiro Hirata¹⁾, Shouichi Ohga¹⁾, Ichiro Sakamoto²⁾, Hiroyuki Tsutsui²⁾, Hideki Tatewaki³⁾, Akira Shiose³⁾
1) Department of Pediatrics, Kyushu University Hospital,
2) Department of Cardiovascular Medicine, Kyushu University Hospital,
3) Department of Cardiovascular Surgery, Kyushu University Hospital
- O5-4 Conversion to One and A Half Ventricular Repair After Biventricular Repair of Pulmonary Atresia and Intact Ventricular Septum**
Yasuhiro Kotani¹⁾, Yosuke Kuroko¹⁾, Norihisa Toh²⁾, Naohiro Horio¹⁾, Sachiko Kawada¹⁾, Yasuyuki Kobayashi¹⁾, Genya Muraoka¹⁾, Sadahiko Arai¹⁾, Hiroshi Ito²⁾, Shingo Kasahara¹⁾
Okayama University Hospital, 1) Cardiovascular Surgery, 2) Cardiovascular Medicine
- O5-5 Function of High Density Lipoprotein Cholesterol in Cyanotic Adult Congenital Heart Disease**
Madori Osawa¹⁾, Masatsune Ogura²⁾, Megumu Horiuchi²⁾, Mariko Harada-Shiba²⁾, Ken-ichi Kurosaki¹⁾, Hideo Ohuchi¹⁾
1) National Cerebral and Cardiovascular Center, Department of Pediatric Cardiology,
2) National Cerebral and Cardiovascular Center Research Institute, Department of Molecular Innovation in Lipidology

Patent Foramen Ovale and Cryptogenic Stroke: the latest updates

Chair: **Teiji Akagi** (Okayama University, Department of Cardiovascular Medicine)

Cosponsor: **Abbott (St. Jude Medical Japan Co., Ltd.)**

- SS-1** Yuji Kato
Department of Neurology, Stroke Center Saitama Medical University International Medical Center
- SS-2** Hideaki Kanazawa
Department of Cardiology, Keio University

January 27 (Saturday)

Room 3 [2F Halls1/2]

9:10 – 10:10 **Oral presentation 1**

Pregnancy and Delivery

Chair: **Katsuo Terui** (Saitama Medical Center, Saitama Medical University, Department of Obstetric Anesthesiology)

- O1-1 Usefulness of Cardiac magnetic resonance for the management of pregnant women after Repaired Tetralogy of Fallot**
Chinami Horiuchi¹, Chizuko Kamiya¹, Hideo Ohuchi², Ayaka Nakashima¹, Yumi Murayama¹, Rie Tsukinaga¹, Masami Sawada¹, Tadasu Shionoiri¹, Tae Konishi¹, Atsushi Nakanishi¹, Takekazu Miyoshi¹, Mitsuhiro Tsuritani¹, Naoko Iwanaga¹, Reiko Neki¹, Jun Yoshimatsu¹, Isao Shiraishi², Ken-ichi Kurosaki²
National Cerebral and Cardiovascular Center,
1) Department of Perinatology and Gynecology, 2) Department of Pediatric Cardiology
- O1-2 Risk Stratification Using Plasma Brain Natriuretic Peptide for Maternal Cardiovascular Events during Peripartum Period in Women with Congenital Heart Disease**
Nao Konagai¹, Chizuko Kamiya², Takeshi Ogo¹, Hideo Ohuchi³, Ken-ichi Kurosaki³, Isao Shiraishi³, Jun Yoshimatsu²
National Cerebral and Cardiovascular Center,
1) Department of Cardiovascular Medicine, 2) Department of Perinatology and Gynecology, 3) Department of Pediatric Cardiology
- O1-3 Pregnancy outcomes in patients with Fontan circulation**
Tae Konishi¹, Chizuko A. Kamiya¹, Hideo Ohuchi², Isao Shiraishi², Ken-ichi Kurosaki², Ayaka Nakashima¹, Rie Tsukinaga¹, Yumi Murayama¹, Masami Sawada¹, Tadasu Shionoiri¹, Atsushi Nakanishi¹, Chinami Horiuchi¹, Takekazu Miyoshi¹, Mitsuhiro Tsuritani¹, Naoko Iwanaga¹, Reiko Neki¹, Jun Yoshimatsu¹
1) National Cerebral and Cardiovascular Center, Department of Perinatology and Gynecology, 2) National Cerebral and Cardiovascular Center, Department of Pediatric Cardiology
- O1-4 Pregnancy and delivery with hypertrophic cardiomyopathy**
Shinji Katsuragi¹, Morimasa Takayama², Shu-ichiro Takanashi³
Sakakibara Heart Institute, 1) Obstetrics and Gynecology, 2) Cardiology, 3) Cardiovascular Surgery

O1-5 Two Pregnancy Cases with Vascular Ehlers-Danlos Syndrome

Norimichi Koitabashi¹⁾, Masamichi Hoshino²⁾, Takashi Kameda²⁾, Tomomi Yamaguchi³⁾,
Daisuke Fukui⁴⁾, Atsushi Umeyama¹⁾, Ryu-ichi Funada¹⁾, Kenji Okada⁴⁾, Masahiko Kurabayashi¹⁾

Gunma University Graduate School of Medicine,

1) Dept of Cardiovascular Medicine, 2) Dept of Obstetrics and Gynecology,
Shinshu University School of Medicine, 3) Dept of Medical Genetics, 4) Dept of Cardiovascular Surgery

O1-6 Peripartum type B aortic dissection in patients with Marfan syndrome who have received prophylactic aortic root replacement

Takayuki Iriyama¹⁾, Seisuke Sayama¹⁾, Norifumi Takeda²⁾, Ryo Inuzuka³⁾, Sonoko Maemura²⁾,
Daishi Fujita²⁾, Hironobu Hyodo⁴⁾, Haruo Yamauchi⁵⁾, Kan Nawata⁵⁾, Takeshi Nagamatsu¹⁾,
Yutaka Osuga¹⁾, Tomoyuki Fujii¹⁾

1) Department of Obstetrics and Gynecology, The University of Tokyo Hospital,

2) Department of Cardiovascular Medicine, The University of Tokyo Hospital,

3) Department of Pediatrics, The University of Tokyo Hospital,

4) Department of Obstetrics and Gynecology, Tokyo Metropolitan Bokutoh Hospital,

5) Department of Cardiovascular Surgery, The University of Tokyo Hospital

10:10 – 11:10 **Oral presentation 2**

Catheter intervention

Chair: **Masahiro Kamada** (Hiroshima City Hiroshima Citizens Hospital, Department of Pediatric Cardiology)

O2-1 Catheter interventions underwent at the age of 18 or over

Toshikatsu Tanaka, Sachiko Kido, Yasunobu Miki, Michio Matsuoka, Naoya Kamei,
Yoshiharu Ogawa, Kenta Tominaga

Hyogo Prefectural Kobe Children's Hospital, Department of Cardiology

O2-2 Comprehensive analysis of anatomical features of mitral complex and left ventricular morphology and its changes after transcatheter closure in adult patients with patent ductus arteriosus

Kensuke Matsumoto, Makiko Suto, Toshiro Shinke, Ken-ichi Hirata

Kobe University Hospital, Department of Cardiology

O2-3 Percutaneous closure of unilateral diffuse pulmonary arteriovenous malformations using Amplatzer vascular plugs and hydrogel-coated coils in a young adult: a case report.

Kayo Ogino¹⁾, Asai Murao¹⁾, Atsushi Kawamoto¹⁾, Kazutoshi Ueda¹⁾, Tomohiro Hayashi¹⁾,
Kenji Waki¹⁾, Yoshio Arakaki¹⁾, Masanobu Ohya²⁾, Yasushi Fuku²⁾, Kazushige Kadota²⁾

Kurashiki Central Hospital, 1) Dept of Pediatrics, 2) Dept of Cardiovascular Medicine

O2-4 The effectiveness of Triple-Balloon Pulmonary Valvuloplasty to Right ventricle-pulmonary artery Conduit stenosis

Yuichirou Sugitani¹⁾, Jun Muneuchi¹⁾, Naoki Kawaguchi¹⁾, Hiromitsu Shirouzu¹⁾, Seigo Okada¹⁾,
Chiaki Iida¹⁾, Mamie Watanabe¹⁾, Yoshie Ochiai²⁾

Japan Community Healthcare Organization Kyushu Hospital,

1) Dept of Pediatrics, 2) Dept of Cardiovascular Surgery

O2-5 Treatment strategy for NYHA III, 42 mm diameter ASD case

Noriko Kawata^{1,2)}, Masahiro Kamada¹⁾, Naomi Nakagawa¹⁾, Yukiko Ishiguchi¹⁾, Yuji Moritou¹⁾, Kengo Okamoto¹⁾

1) Hiroshima City Hiroshima Citizens Hospital, Department of Pediatric Cardiology,
2) Iwakuni Medical Center, Department of Pediatrics

O2-6 Normalization of right ventricular size can be predicted by its size before transcatheter closure in adult atrial septal defect patients.

Shintaro Umemoto¹⁾, Ichiro Sakamoto¹⁾, Koutaro Abe¹⁾, Ken-ichi Hiasa¹⁾, Yuzo Yamasaki²⁾, Taiki Higo¹⁾, Tomomi Ide¹⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,
2) Kyushu University, Graduate School of Medical Sciences, Department of Molecular Imaging & Diagnosis

11:15 – 12:15 **Oral presentation 3**

Topics on general ACHD

Chair: **Minori Tateishi** (Tokyo Women's Medical University, Department of Cardiovascular Surgery)

O3-1 Introduction of enlightenment activities and patient education on CHD

Ryu Inomata

Congenital Heart Disease Patient (TGAIII)

O3-2 New approach for transition care; video distribution at YouTube channel “Living With Heart”

Minori Tateishi¹⁾, Ryu Inomata²⁾, Ryota Ochiai³⁾

1) Doctor, 2) CHD patient, 3) Nurse

O3-3 A case of pregnant woman of CoA post subclavian flap after long interval

Shin-ichiro Yoshimura¹⁾, Hiraku Doi²⁾, Makoto Miyake²⁾, Kazuo Yamanaka²⁾, Yukiyo Yoshida³⁾, Naonori Taniguchi⁴⁾, Naokazu Kanamoto⁵⁾

1) Tenri Hospital, Dept ACHD, 2) Tenri Hospital, CHD Center, 3) Tenri Hospital, Dept Cardiovascular Surgery,
4) Tenri Hospital, Dept Radiology, 5) Tenri Hospital, Dept Obstetrics

O3-4 Questionnaire survey on employment of Marfan syndrome patients who had been diagnosed with aortic dissection, aortic dilatation, or aortic aneurysm

Shun Emoto¹⁾, Keiko Inoi²⁾, Ryosuke Seki²⁾, Soichi Ogishima¹⁾, Yukiko Nishimura¹⁾

1) NPO ASrid, 2) NPO Japan Marfan Association

O3-5 Association of one-day heart rate dynamics with postoperative pathophysiology in adults with congenital heart disease after biventricular repair

Yoshihito Morimoto, Hideo Ohuchi, Jun Negishi, Tohru Iwaasa, Isao Shiraishi, Ken-ichi Kurosaki
National Cerebral and Cardiovascular Center, Pediatric Cardiology, ACHD

O3-6 Depression and Its Influencing Factors among Mothers of Children with Congenital Heart Disease in Korea.

Ju Ryoung Moon, RN, PhD¹⁾, Jinyoung Song, MD, PhD²⁾, June Huh, MD, PhD^{2)*}, I-Seok Kang, MD²⁾, Ji-Hyuk Yang, MD, PhD³⁾, Tae-Gook Jun, MD, PhD³⁾

1) Grown-Up Congenital Heart Clinic, Heart Vascular and Stroke Institute,
2) Department of Pediatrics, 3) Division of Cardiology, 4) Department of Thoracic & Cardiovascular Surgery,
Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

12:40 – 13:30 Luncheon Seminar 3

Chair: **Yasushi Imai** (Jichi Medical University, Jichi Adult Congenital Heart Center, Division of Clinical Pharmacology, Division of Cardiovascular Medicine)

Cosponsor: **MEDTRONIC JAPAN CO., LTD.**

LS-3 Cardiovascular implantable electronic devices in adult congenital heart disease

Shigeru Tateno

Department of Adult Congenital Heart Disease, Chiba Cerebral and Cardiovascular Center

14:20 – 15:20 Educational Seminar 2

Genetic diagnosis

Chair: **Takaomi Minami** (Jichi Children's Medical Center Tochigi, Department of Pediatrics)

EDS2-1 “Genetic testing in cardiomyopathy”

Keiichi Hirono

Department of Pediatrics, Toyama University Hospital

EDS2-2 “Genetic analysis of Marfan syndrome and related diseases”

Hiroko Morisaki

Sakakibara Heart Institute, Department of Medical Genetics

15:30 – 16:10 Oral presentation 4

Long-term prognosis, Pathophysiology

Chair: **Fukiko Ichida** (Toyama University Medical School, Department of Pediatrics)

O4-1 Hepatitis C Virus Positivity Adversely Affects Cardiac Functions and Long-term Prognosis in Patients with Adult Congenital Heart Disease

Ryo Konno¹⁾, Shunsuke Tatebe¹⁾, Koichiro Sugimura¹⁾, Kimio Satoh¹⁾, Tatsuo Aoki¹⁾, Saori Yamamoto¹⁾, Haruka Sato¹⁾, Katsuya Kozu¹⁾, Osamu Adachi²⁾, Masato Kimura³⁾, Yoshikatsu Saiki²⁾, Hiroaki Shimokawa¹⁾

1) Department of Cardiovascular Medicine, 2) Department of Cardiovascular Surgery,
3) Department of Pediatrics, Tohoku University Graduate School of Medicine

O4-2 Clinical outcomes in adult patients with pulmonary atresia with intact ventricular septum

Norihisa Toh¹⁾, Teiji Akagi¹⁾, Yasuhiro Kotani²⁾, Sho Takahashi¹⁾, Yosuke Kuroko²⁾, Kenji Baba³⁾, Shin-ichi Otsuki³⁾, Shingo Kasahara²⁾, Hiroshi Ito¹⁾

1) Okayama University, Department of Cardiovascular Medicine,
2) Okayama University, Department of Cardiovascular Surgery,
3) Okayama University, Department of Pediatric Cardiology

O4-3 Assessment of preload reserve by using leg-positive pressure maneuver for patients with repaired tetralogy of Fallot

Makiko Suto¹⁾, Kensuke Matsumoto¹⁾, Sachiko Kido²⁾, Ken-ichi Hirata¹⁾

1) Kobe University Hospital, Departments of Cardiovascular Medicine, 2) Kobe Children's Hospital, Pediatrics

O4-4 Two cases of adult corrected transposition of great vessels with PDEIII inhibitor before tricuspid valve replacement surgery

Hideki Saito¹⁾, Yoshiki Mori²⁾, Toshiaki Oka¹⁾

Seirei Hamamatsu General Hospital, 1) Department of Cardiology, 2) Department of Pediatric Cardiology

16:10 – 17:00 Educational Seminar 3

**Management of Risk factors in Adult Congenital Heart Disease:
Hypertension, atherosclerosis**

Chair: **Takashi Akasaka** (Wakayama Medical University, Department of Cardiovascular Medicine)

EDS3-1 “Management of risk factors in adult congenital heart disease”

Kazuomi Kario

Division of Cardiovascular Medicine Jichi Medical University School of Medicine

Pregnancy and delivery in ACHD patients

Chairs: **Chizuko Kamiya** (National Cerebral and Cardiovascular Center, Department of Perinatology and Gynecology)
Tokuko Shinohara (Tokyo Women's Medical University, Department of Pediatric Cardiology)

S6-1 Management of pregnancy and labor in women with congenital cardiovascular disease; From a viewpoint of Obstetrics

Tomoaki Ikeda

Department of Obstetrics and Gynecology, Mie University Faculty Medicine

S6-2 Pregnancy in women with heart disease – from cardiologist's point of view –

Shunsuke Tatebe¹⁾, Koichiro Sugimura¹⁾, Tatsuo Aoki¹⁾, Saori Yamamoto¹⁾, Toru Shimizu¹⁾, Haruka Sato¹⁾, Ryo Konno¹⁾, Masatoshi Saito²⁾, Kengo Kawano³⁾, Masato Kimura³⁾, Osamu Adachi⁴⁾, Kimio Satoh¹⁾, Yoshikatsu Saiki⁴⁾, Hiroaki Shimokawa¹⁾

1) Tohoku University Hospital, Department of Cardiovascular Medicine,

2) Tohoku University Hospital, Department of Department of Obstetrics and Gynecology,

3) Tohoku University Hospital, Department of Pediatrics,

4) Tohoku University Hospital, Department of Cardiovascular Surgery

S6-3 Pregnancy and delivery in ACHD patients: From the viewpoint of Obstetrician

Shinji Katsuragi¹⁾, Mikiko Nishioka²⁾, Sachie Nishiyama³⁾, Jun Yoshimatsu⁴⁾, Tomoaki Ikeda²⁾, Akio Inage⁵⁾, Yukihiro Takahashi⁵⁾

1) Sakakibara Heart Institute, Dept of Obstetrics and Gynecology, 2) Mie University,

3) NISHIYAMA Obstetrics and Gynecology, 4) National Cerebral and Cardiovascular Center,

5) Sakakibara Heart Institute

S6-4 Anesthetic management for the pregnant patients with congenital heart disease

Motoshi Tanaka

Division of Obstetric Anesthesia, Department of Anesthesiology, Saitama Medical Center, Saitama Medical University

S6-5 Drug use during pregnancy and lactation

Atsuko Murashima¹⁾, Chinatsu Takai²⁾

1) National Center for Child Health and Development, Center of Maternal-Fetal, Neonatal and Reproductive Medicine,

2) National Center for Child Health and Development, Japan Drug Information Institute in Pregnancy

10:30 – 11:20 **International Invited Lecture**

Chair: **Hajime Ichikawa** (National Cerebral and Cardiovascular Center, Department of Pediatric Cardiovascular Surgery)

II-1 “Contemporary ACHD surgery in the UK and in the Brompton Hospital”

Professor Michael A. Gatzoulis, MD PhD FACC FESC

Adult Congenital Heart Centre and Centre for Pulmonary Hypertension, Royal Brompton Hospital, and the National Heart and Lung Institute, Imperial College, London, UK

11:30 – 12:50 **Joint Seminar with Japanese Society of Echocardiography (JSE)**

Update in Cardiac echocardiography for Adult Congenital Heart Disease

Chairs: **Tomoko Ishizu** (University of Tsukuba, Department of Cardiovascular Medicine)

Hiroshi Ito (Okayama University, Department of Cardiovascular Medicine)

JS2-1 Echocardiographic assessment of atrioventricular valve regurgitation in adults with congenital heart disease

Norihisa Toh, Teiji Akagi, Hiroshi Ito

Okayama University, Department of Cardiovascular Medicine

JS2-2 Stress echocardiography for patients with adult congenital heart disease

Kensuke Matsumoto, Makiko Suto, Ken-ichi Hirata

Kobe University Hospital, Department of Cardiovascular Medicine

JS2-3 Echocardiography in the evaluation of systemic right ventricle

Hirohiko Motoki

Department of Cardiovascular Medicine, Shinshu University School of Medicine

JS2-4 Aortic valve stenosis, Pregnancy and Echocardiography

Toshimi Koitabashi, Mayu Yazaki, Teppei Fujita, Keiko Kooriyama, Emi Maekawa, Junya Ako

Department of Cardiovascular Medicine, Kitasato University School of Medicine

JS2-5 Echocardiographic evaluation of Repaired Tetralogy of Fallot

Takako Iino, Yuri Umeta, Wakana Sato, Katsuhito Seki, Kenji Iino, Hiroyuki Watanabe

Department of Cardiovascular Medicine, Akita University Graduate School of Medicine

14:00 – 14:30 **JSACHD General Assembly**

How to build and manage Clinical Practice System for Adult Congenital Heart in Japan

Chairs: **Shigeru Tateno** (Chiba Cardiovascular Center, Department of Adult Congenital Heart Disease, Department of Pediatrics)

Yasushi Imai (Jichi Medical University, Jichi Adult Congenital Heart Center, Division of Clinical Pharmacology, Division of Cardiovascular Medicine)

ES2-1 An overview of adult congenital heart disease unit in Okayama University Hospital

Norihisa Toh, Teiji Akagi, Hiroshi Ito

Okayama University, Department of Cardiovascular Medicine

ES2-2 ACHD care system in collaboration with Nagano Children's Hospital

Hirohiko Motoki

Department of Cardiovascular Medicine, Shinshu University School of Medicine

ES2-3 Current status of the program for clinical practice in adult congenital heart disease

Yasufumi Kijima, Terunobu Fukuda, Yumi Shiina, Nobuyuki Komiya, Koichiro Niwa

St. Luke's International Hospital, Cardiovascular Center, Department of Cardiology

ES2-4 Comprehensive management of Marfan syndrome and related disorders

Norifumi Takeda¹⁾, Ryo Inuzuka²⁾, Yuki Taniguchi³⁾, Kan Nawata⁴⁾

The University of Tokyo Hospital,

1) Department of Cardiovascular Medicine, 2) Department of Pediatrics,

3) Department of Orthopedic Surgery, 4) Department of Cardiac Surgery

ES2-5 Medical Care for Adult Patients with Congenital Heart Disease in Kyushu University Hospital

Ichiro Sakamoto¹⁾, Hazumu Nagata²⁾, Hideki Tatewaki³⁾, Shintaro Umemoto¹⁾, Shoichi Ohga²⁾, Akira Shiose³⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Pediatrics,

3) Kyushu University Hospital, Department of Cardiovascular Surgery,

Adult Congenital Heart Disease: What to go with, and what to face and fight against now?

Chairs: **Masaaki Kawada** (Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Center)

Ryu Inomata (ACHD patient, complete Transposition of the Great Arteries)

OC1-1 Toshiki Murata

OC1-2 Hiroshi Takano

OC1-3 Ryu Inomata

OC1-4 Toru Shimodome

OC1-5 Hirotake Sumikawa, Aya Ito

OC1-6 Masaaki Kawada

9:00 – 10:10 **Nursing Care Session**10:15 – 11:30 **Symposium with ACHD Academic Committee****New Information from Multi-institutional ACHD studies in Japan**

Chairs: **Kei Inai** (Tokyo Women's Medical University, Department of Pediatric Cardiology)

Hideo Ohuchi (National Cerebral and Cardiovascular Center, Departments of Pediatrics and Adult Congenital Heart Disease)

ES1-1 Current status of reoperations for repaired Tetralogy of Fallot

Atsushi Mizuno¹⁾, Takayoshi Ueno²⁾, Shigeru Tateno³⁾, Kei Inai⁴⁾, Osamu Adachi⁵⁾, Ken-ichiro Yamamura⁶⁾, Hirokuni Yamazawa⁷⁾, Masaaki Koide⁸⁾, Kenji Waki⁹⁾, Hajime Ichikawa¹⁰⁾, Kozo Matsuo¹¹⁾, Isao Shiraishi¹²⁾, Koichiro Niwa²⁾

- 1) Department of Cardiology, St.Luke's International Hospital,
- 2) Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine,
- 3) Department of Adult Congenital Heart Disease and Pediatric Cardiology, Chiba Cardiovascular Center,
- 4) Department of Pediatric Cardiology, Tokyo Women's Medical University,
- 5) Division of Cardiovascular Surgery, Tohoku University Graduate School of Medicine,
- 6) Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University,
- 7) Department of Pediatrics, Hokkaido University Graduate School,
- 8) Department of Cardiovascular Surgery, Seirei Hamamatsu General Hospital,
- 9) Department of Pediatrics, Kurashiki Central Hospital,
- 10) Department of Pediatric Cardiovascular Surgery, National Cerebral and Cardiovascular Center,
- 11) Department of Cardiovascular Surgery, Chiba Cardiovascular Center,
- 12) Pediatric Cardiology, National Cerebral and Cardiovascular Center

ES1-2 Current situation of anticoagulant therapy in Japanese adult congenital heart disease patients

Keita Masuda¹⁾, Tomoko Ishizu²⁾, Kazutaka Aonuma²⁾

- 1) Department of Heart Rhythm Management, Yokohama Rosai Hospital,
- 2) Department of Cardiology, Faculty of Medicine, University of Tsukuba

ES1-3 Cohort study on Aortopathy in repaired Tetralogy of Fallot

Masaru Miura¹⁾, Hiroki Nagamine¹⁾, Tomoko Ishizu²⁾, Shigeru Tateno³⁾, Hiroyuki Yamagishi⁴⁾, Koichiro Niwa⁵⁾

- 1) Tokyo Metropolitan Children's Medical Center, Dept of Cardiology,
- 2) Tsukuba University Hospital, Dept of Cardiology,
- 3) Chiba Cerebral and Cardiovascular Center, Dept of Pediatric Cardiology,
- 4) Keio University School of Medicine, Dept of Pediatrics,
- 5) St.Luke's International Hospital, Cardiovascular Center, Dept of Cardiology

ES1-4 Current Status of Japanese Adult Fontan Survivors -The Japanese Multicenter Observational Study-

Hideo Ohuchi¹⁾, Kei Inai²⁾, Makoto Nakamura³⁾, In-Sam Park⁴⁾, Mamie Watanabe⁵⁾, Sung-Hae Kim⁶⁾, Hisanori Sakazaki⁷⁾, Kenji Waki⁸⁾, Hiroyuki Yamagishi⁹⁾, Hiroshi Ono¹⁰⁾, Ken-ichiro Yamamura¹¹⁾, Kenji Kuraishi¹²⁾, Masaru Miura¹³⁾, Koichiro Niwa¹⁴⁾

1) National Cerebral and Cardiovascular Center, Departments of Adult Congenital Heart Disease and Pediatric Cardiology,

2) Tokyo Women's Medical University, Department of Pediatric Cardiology,

3) Fukuoka Children's Hospital, Department of Cardiology,

4) Sakakibara Heart Institute, Department of Pediatric Cardiology,

5) JCHO Kyushu Hospital, Department of Pediatric Cardiology,

6) Shizuoka Children's Hospital, Department of Cardiology,

7) Amagasaki General Medical Center, Department of Pediatric Cardiology,

8) Kurashiki Central Hospital, Department of Pediatrics,

9) Keio University School of Medicine, Department of Pediatrics,

10) National Center for Child Health and Development, Department of Cardiology,

11) Kyushu University Hospital, Department of Pediatrics,

12) Ogaki Municipal Hospital, Department of Pediatric Cardiology,

13) Tokyo Metropolitan Children's Medical Center, Department of Cardiology,

14) St.Luke's International Hospital, Cardiovascular Center, Department of Cardiology

ES1-5 Congenital Heart Disease and Infective Endocarditis

Tomoaki Murakami

Chiba Children's Hospital, Pediatric Cardiology

11:30 – 12:50 **Symposium 7**

Fontan circulation

Chairs: **Hideo Ohuchi** (National Cerebral and Cardiovascular Center, Departments of Pediatrics and Adult Congenital Heart Disease)

Hajime Ichikawa (National Cerebral and Cardiovascular Center, Departments of Pediatric Cardiovascular Surgery)

S7-1 Clinical Features of Adult Fontan Patients as Multiorgan Dysfunction

Kei Inai

Department of Pediatric Cardiology, Tokyo Women's Medical University

S7-2 Congested liver in adult Fontan patients: Fontan associated liver disease (FALD)

Tomoo Fujisawa

Department of Pediatric Hepatology and Gastroenterology, Saiseikai Yokohamashi Tobu Hospital

S7-3 TCPC conversion for failed Fontan

Hajime Ichikawa¹⁾, Takaya Hoashi¹⁾, Tomohiro Nakata¹⁾, Masatoshi Shimada¹⁾, Hideto Ozawa¹⁾, Akihiko Higashida¹⁾, Hideo Ohuchi²⁾, Kennichi Kurosaki²⁾, Isao Shiraishi²⁾

National Cerebral and Cardiovascular Center, 1) Pediatric Cardiovascular Surgery, 2) Pediatric Cardiology

S7-4 Findings from Fontan Network-From an Institution of concluding questionnaire of adult Fontan patients

Mamie Watanabe, Jun Muneuchi, Kunitaka Joo

Department of Pediatric Cardiology, JCHO Kyushu Hospital, Japan

S7-5 Fontan Circulation

Hideo Ohuchi¹⁾, Hajime Ichikawa²⁾

National National Cerebral and Cardiovascular Center,

1) Departments of Adult Congenital Heart Disease and Pediatric Cardiology,

2) Department of Pediatric Cardiovascular Surgery

13:00 – 13:50 Luncheon Seminar 4

Chair: **Atsushi Yao** (The Tokyo University Hospital, Division of Health Service Promotion, Department of Cardiovascular Medicine)

Cosponsor: **Pfizer Japan Inc.**

LS-4 Pharmacological treatment of CHD-PAH : Focusing on PDE-5 inhibitors

Masaru Miura

Department of Cardiology, Tokyo Metropolitan Children's Medical Center

14:30 – 16:15 Symposium 8

Look into Cardiac Anatomy and Diagnostic Imaging in ACHD: CT/MRI, 3D-models and Computer-simulation

Chairs: **Satoshi Yasukochi** (Nagano Children's Hospital Department of Pediatric Cardiology)

Yuichi Ishikawa (Fukuoka Children's Hospital, Department of Pediatric Cardiology)

S8-1 Cardiac Magnetic Resonance Imaging in Adult Congenital Heart Disease

Yuichi Ishikawa

Fukuoka Children's Hospital, Dept of Cardiology

S8-2 The role of CT on understanding for anatomy and functions in patients with adult congenital heart disease

Satoshi Yasukochi¹⁾, Kouta Takei²⁾, Kiyohiro Takigiku²⁾, Masashi Utsumi²⁾, Daichi Nakamura²⁾, Junpei Kawamura²⁾, Mieko Maesawa²⁾, Kiyomi Ukiyama²⁾, Masashi Okamura³⁾, Kouta Agematsu³⁾

1) Heart Center, 2) Department of Pediatric Cardiology, 3) Department of Cardiovascular Surgery, Nagano Children's Hospital

S8-3 Analysis and understanding of Structure of the normal heart

Osamu Igawa

Nippon Medical School Tama Nagayama Hospital, Dept of Medicine and Cardiology

S8-4 Three-dimensional Printing and Computer Simulation of Congenital Heart Disease

Isao Shiraishi, Ken-ichi Kurosaki, Hideo Ohuchi, Suzu Kanzaki, Kazuo Nakazawa, Takaya Hoashi, Hajime Ichikawa

Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center

S8-5 4D flow MRI for Evaluation of Hemodynamics in Adult Congenital Heart Disease

Keiichi Itatani¹⁾, Masaaki Yamagishi³⁾, Kousuke Nakaji⁴⁾, Kei Yamada⁴⁾, Shohei Miyazaki⁵⁾, Teruyasu Nishino⁵⁾, Hitoshi Yaku²⁾

Kyoto Prefectural University of Medicine,

1) Cardiovascular Surgery, Cardiovascular Imaging Research Labo., 2) Cardiovascular Surgery,

3) Pediatric Cardiovascular Surgery, 4) Radiology, 5) Cardio Flow Design Inc

S8-6 Strain elastography using feature tracking of cardiac cine MRI: assessment of liver fibrosis in patients with Fontan and tetralogy of Fallot

Ryoko Ohashi¹⁾, Michinobu Nagao¹⁾, Yumi Shiina²⁾, Kei Inai²⁾, Seiko Simizu³⁾, Yuichiro Sano³⁾, Umiko Ishizaki¹⁾, Yuka Matsuo¹⁾, Kenji Fukushima¹⁾, Shuji Sakai¹⁾

1) Department of Diagnostic imaging & Nuclear Medicine, Tokyo Women's Medical University,

2) Department of Pediatric Cardiology, Tokyo Women's Medical University,

3) Toshiba Medical Systems Corporation

S8-7 Extracellular Volume and Adverse Cardiovascular events in Adults with Tetralogy of Fallot : Preliminary Study Using 3T Cardiac Magnetic Resonance

Yumi Shiina^{1,2)}, Kota Taniguchi^{1,3)}, Kei Inai^{1,3)}, Kenji Fukushima⁴⁾, Yuka Matsuo⁴⁾, Michinobu Nagao⁴⁾

1) Department of Clinical Research for ACHD, Tokyo Women's Medical University,

2) Cardiovascular Center, St. Luke's International Hospital,

3) Pediatric Cardiology, Tokyo Women's Medical University,

4) Department of Diagnostic Imaging & Nuclear Medicine, Tokyo Women's Medical University

January 28 (Sunday)

Room 3 [2F Halls 1/2]

9:00 – 10:00 Oral presentation 6

Arrhythmia treatment

Chair: **Takeshi Mitsuhashi** (Jichi Medical University, Saitama Medical Center, Department of Cardiology)

O6-1 Two Cases of Effective Catheter Ablation for Atrial Tachycardia Using Remote Magnetic Navigation System

Hirotoshi Ichibori¹⁾, Atsuke Yatomi¹⁾, Tomoyuki Nakanishi¹⁾, Katsunori Okajima¹⁾, Hiroki Shimizu¹⁾, Yoshio Oonishi¹⁾, Takeaki Shirai²⁾

1) Kakogawa Central City Hospital, Department of Cardiovascular Medicine,

2) Kakogawa Central City Hospital, Department of Pediatrics

O6-2 Arrhythmia in Heterotaxy

Shoji Fukuoka¹⁾, Hazumu Nagata¹⁾, Shunsuke Fujii¹⁾, Ryohei Matsuoka¹⁾, Mamoru Muraoka¹⁾, Yoshimi Eguchi¹⁾, Kiyoshi Uike¹⁾, Yuusaku Nagatomo¹⁾, Yuichiro Hirata¹⁾, Shouichi Ohga¹⁾, Ichiro Sakamoto²⁾, Hiroyuki Tsutsui²⁾, Hideki Tatewaki³⁾, Akira Shiose³⁾

1) Kyushu University Hospital, Dept of Pediatrics, 2) Kyushu University Hospital, Dept of Cardiology,

3) Kyushu University Hospital, Dept of Cardiovascular Surgery

O6-3 Catheter Ablation for paroxysmal supraventricular tachycardia in Fontan patients

Nobuhiro Nishii¹⁾, Masakazu Miyamoto²⁾, Yoshimasa Morimoto²⁾, Satoshi Kawada²⁾, Koji Nakagawa²⁾, Norihisa Toh²⁾, Atsuyuki Watanabe²⁾, Hiroshi Morita¹⁾, Hiroshi Ito²⁾, Takahiro Eitoku³⁾, Kenji Baba³⁾, Shingo Kasahara⁴⁾

1) Department of Cardiovascular Therapeutics, 2) Cardiovascular Medicine,

3) Pediatric Cardiology, 4) Cardiovascular Surgery,

Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences

O6-4 The characteristics and prognosis in patients who underwent implantable cardioverter defibrillator implantation due to ventricular arrhythmia after surgical repair of tetralogy of Fallot in long-term period

Tomoyuki Kabutoya¹⁾, Yasushi Imai¹⁾, Kana Kubota¹⁾, Yasuhiro Yokoyama¹⁾, Ayako Yokota¹⁾, Tomonori Watanabe¹⁾, Takahiro Komori¹⁾, Takeshi Mitsuhashi²⁾, Kazuomi Kario¹⁾

1) Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine,
2) Division of Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University

O6-5 A Case of Late Potential Targeted Ablation for Ventricular Tachycardia in a Patient with Tetralogy of Fallot

Kentaro Ozu, Hitoshi Minamiguchi, Yasumasa Tsukamoto, Hiroya Mizuno, Yasushi Sakata
Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine

O6-6 2patients with adult congenital heart disease implanted with SICD

Tetsuya Yamamoto¹⁾, Kentaro Omoya¹⁾, Takeshi Hirose²⁾, Shunichiro Warita²⁾, Atsushi Terazawa³⁾, Hiroko Goto³⁾, Naoki Kuwabara³⁾, Ayako Katagiri⁴⁾, Yuki Nakayama⁴⁾, Yusuke Iwata¹⁾, Takamasa Takeuchi⁴⁾, Toshiyuki Noda²⁾, Takashi Kuwahara³⁾

Gifu Prefectural General Medical Center,

1) Department of Adult Congenital Heart Disease, 2) Department of Cardiology,
3) Department of Pediatric Cardiology, 4) Department of Pediatric Cardiacsurgery

10:00 – 10:50 **Oral presentation 7**

Pulmonary arterial hypertension

Chair: **Shuichi Ueno** (Jichi Medical University, Division of Cardiovascular Medicine)

O7-1 Treat and Repair Strategy in Patients with VSD-PH: 4 Case Series

Toshihiro Sarashina¹⁾, Teiji Akagi¹⁾, Norihisa Toh¹⁾, Syou Takahashi¹⁾, Kentarou Ejiri¹⁾, Youichi Takaya¹⁾, Kouji Nakagawa¹⁾, Satoshi Akagi¹⁾, Kazufumi Nakamura¹⁾, Shingo Kasahara²⁾, Hiroshi Ito¹⁾

1) Okayama University Hospital, Department of Cardiovascular Medicine,
2) Okayama University Hospital, Department of Cardiovascular Surgery

O7-2 Three cases of heart transplantation indication for severe heart failure of adult congenital heart disease

Koichi Toda, Norihide Fukushima, Masanobu Yanase, Osamu Seguchi, Kensuke Kuroda, Yuto Kumai

National Cerebral and Cardiovascular Center, Department of Transplantation

O7-3 Right Ventricular Function and Exercise capacity in Cases with Adult Congenital Heart Disease

Naoto Kawamatsu¹⁾, Tomoko Ishizu²⁾, Yu Yamada²⁾, Naomi Nakazawa²⁾, Yoshihiro Nozaki³⁾, Masayoshi Yamamoto²⁾, Tomoko Machino²⁾, Yoshihiro Seo²⁾, Akira Koike²⁾, Hitoshi Horigome³⁾, Kazutaka Aonuma²⁾

1) Department of Cardiology, Mito Saiseikai General Hospital,
2) Cardiovascular Division, Faculty of Medicine, University of Tsukuba,
3) Department of Child Health, Graduate School of Comprehensive Human Sciences, University of Tsukuba

O7-4 Surgery for Hypertrophic Obstructive Cardiomyopathy and Apically Hypertrophic Cardiomyopathy

Masashi Komeda, Sakurako Nakamura, Hiroto Uchiyama, Takashi Kusunose, Shoji Fujiwara, Toshimi Ujiie

Iseikai Hospital, Dept. of Cardiovascular Surgery

O7-5 Platelet distribution width is predictor of thrombogenesis in patients who received Fontan operation.

Masaki Sato, Kei Inai, Eiko Shimada, Mikiko Isido, Daiji Takeuchi, Tetsuko Ishii, Keiko Toyohara, Tokuko Shinohara, Hirofumi Tomimatsu, Hisashi Sugiyama

Tokyo Women's Medical University, Dept. of Pediatric Cardiology

11:00 – 12:00 **Oral presentation 8**

Surgery

Chairman: **Yoshie Ochiai** (JCHO Kyushu Hospital, Department of Cardiovascular Surgery)

O8-1 Surgery for adult congenital heart disease in Gunma

Takashi Miyamoto¹⁾, Takahiro Tomoyasu¹⁾, Hayashi Hidenori¹⁾, Oka Norihiko¹⁾, Masahiko Ezure²⁾, Shu-ichi Okada²⁾, Masataka Yoda³⁾, Kuniki Nakajima³⁾, Kazutomo Minami³⁾

1) Gunma Children's Medical Center, 2) Gunma Cardiovascular Center,

3) Cardiovascular Hospital of Central Japan

O8-2 Pulmonary Valve Replacement Using Biological Valves

Kosuke Yoshizawa¹⁾, Kei-ichi Fujiwara¹⁾, Toshi Maeda¹⁾, Otohime Kato¹⁾, Kentaro Watanabe¹⁾, Go Ueno¹⁾, Tatsuji Okada²⁾, Nobuhisa Ohno²⁾, Hisanori Sakazaki²⁾

1) Cardiovascular Surgery, 2) Pediatric Cardiology, Hyogo Prefectural Amagasaki General Medical Center

O8-3 An adult case of double outlet right ventricle complicated by pulmonary hypertension who had not undergone surgical correction in infancy

Hirofumi Tokiwa¹⁾, Katsura Soma¹⁾, Akihito Saito¹⁾, Toshiro Inaba¹⁾, Hisataka Maki¹⁾, Atsushi Yao²⁾, Yuichi Ishikawa³⁾, Isao Shiraishi⁴⁾, Issei Komuro¹⁾

1) Department of Cardiovascular Medicine, The University of Tokyo Hospital,

2) Division for Health Service Promotion, The University of Tokyo, 3) Fukuoka Children's Hospital,

4) Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center

O8-4 One-stage repair of CoA, TAA, Monocuspid AV, PDA, AFL

Yosuke Sakurai, Masaaki Koide, Yoshifumi Kunii, Jin Ikarashi, Yuji Takayanagi

Seirei Hamamatsu General Hospital, Dept of Cardiovascular Surgery

O8-5 Arrhythmia surgery in re-operation for Tetralogy of Fallot

Jin Ikarashi, Masaaki Koide, Yoshifumi Kunii, Yuji Takayanagi, Yosuke Sakurai

Department of Cardiovascular Surgery, Seirei Hamamatsu General Hospital

O8-6 Tricuspid valve replacement in Congenitally corrected Transposition of the great Arteries in Adult: Report of 4 cases

Yuki Ogata, Tomoyuki Matsuba, Yutaka Imoto

Cardiovascular and Gastroenterological Surgery, Kagoshima University Graduate School of Medical and Dental Sciences

12:10 – 12:50 **Educational Seminar 4**

Pharmacological treatment for pregnant and lactating women with Heart Disease

Chair: **Hideaki Senzaki** (Kitasato University School of Medicine, New Century Health Care Institute, Department of Pediatric Cardiology and Intensive Treatment)

EDS4-1 “Pharmacokinetics in medication for pregnant women and lactating women”

Kentaro Ushijima, Yasushi Imai

Clinical Pharmacology Center, Jichi Medical University Hospital

13:00 – 13:50 **Luncheon Seminar 5**

Chair: **Shin-ichi Otsuki** (Okayama University, Department of Pediatric Cardiology)

Cosponsor: **Terumo Corporation**

LS-5-1 Therapeutic catheterization for adult congenital heart disease

Hideshi Tomita

Showa University Hospital Department of Pediatric Heart Disease & Adult Congenital Heart Disease Center

**LS-5-2 Coil Embolization with Hydrogel-Coated Platinum Coils
~ Efficacy and Safety in Pediatric Cardiology ~**

Kenji Waki

Department of Pediatrics, Kurashiki Central Hospital

14:50 – 15:50 **Oral presentation 9**

Systems for Clinical practice and Social support in ACHD

Chair: **Sachiko Kido** (Hyogo Prefectural Kobe Children's Hospital, Department of Pediatric Cardiology)

O9-1 Establishing ACHD educational facility for adult cardiologists

Ichiro Sakamoto¹⁾, Hazumu Nagata²⁾, Hideki Tatewaki³⁾, Teppei Fujita¹⁾, Shintaro Umemoto¹⁾, Shoichi Ohga²⁾, Akira Shiose³⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Pediatrics,

3) Kyushu University Hospital, Department of Cardiovascular Surgery

O9-2 Practice experience requirements for adult congenital heart disease cardiologist

Ryota Ochiai¹⁾, Atsushi Yao²⁾, Fukiko Ichida³⁾, Manabu Nitta⁴⁾, Ryo Inuzuka⁵⁾, Koichiro Niwa⁶⁾, Isao Shiraishi⁷⁾

1) Department of Nursing, Yokohama City University,

2) Division of Health Service Promotion, The University of Tokyo,

3) Department of Pediatrics, Faculty of Medicine, University of Toyama,

4) Department of Medical Science and Cardiorenal Medicine, Yokohama City University,

5) Department of Pediatrics, The University of Tokyo,

6) Department of Cardiology, St Luke's International Hospital,

7) Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center

- O9-3 The multi-disciplinary team conference in the support of patients with adult congenital heart disease throughout pregnancy and delivery**
 Atsuko Morisada¹⁾, Kayo Ogino²⁾, Kenji Waki²⁾, Yoshio Arakaki²⁾, Toshinobu Ooya³⁾, Yasushi Fuku³⁾, Kiyokawa Hikaru⁴⁾, Masaaki Hasegawa⁴⁾
 1) Kurashiki Central Hospital, Pediatric Ward, 2) Kurashiki Central Hospital, Pediatric Cardiology,
 3) Kurashiki Central Hospital, Dept Cardiology,
 4) Kurashiki Central Hospital, Dept of Obstetrics and Gynecology
- O9-4 Outpatient clinic for transition- establishment and direction**
 Yukie Otsu¹⁾, Momoyo Matsumoto¹⁾, Seiko Kuwata²⁾, Kurara Kurishima²⁾, Akiko Yana²⁾, Yoichi Iwamoto²⁾, Hirotaka Ishido²⁾, Satoshi Masutani²⁾, Hideaki Senzaki²⁾
 1) Nursing Department, Saitama Medical Center, Saitama Medical University,
 2) Pediatric Cardiology, Saitama Medical Center, Saitama Medical University
- O9-5 Challenge to transition to adulthood for pediatric patients with heart disease using “Shinzo-techo”**
 Koichi Kataoka^{1,2,3)}, Masaaki Kawada^{3,4)}, Natsuki Iwata⁵⁾, Hiroko Wakabayashi⁵⁾, Kimiko Yoshiba⁵⁾
 1) Jichi Children's Medical Center Tochigi, Pediatric Operating Suite and Intensive Care Unit,
 2) Jichi Medical University, Department of Pediatrics, 3) Jichi Adult Congenital Heart Center,
 4) Jichi Children's Medical Center Tochigi, Department of Pediatric and Congenital Cardiovascular Surgery,
 5) Jichi Children's Medical Center Tochigi, Outpatient Department
- O9-6 Impact of disease complexity on Hospitalization in Adult Patients with Congenital Heart Disease; retrospective cohort study**
 Sho Takahashi¹⁾, Teiji Akagi¹⁾, Norihisa Toh¹⁾, Youichi Takaya¹⁾, Shingo Kasahara²⁾, Kenji Baba³⁾, Shin-ichiro Nakamura⁴⁾, Ken Kinomura⁵⁾, Hisashi Masuyama⁶⁾, Kazuhiro Ohmori⁷⁾, Koji Nakagawa¹⁾, Nobuhiro Nishii¹⁾, Hiroshi Ito¹⁾
 Okayama University Hospital Adult Congenital Heart Disease Center,
 1) Department of Cardiovascular Medicine, 2) Department of Cardiovascular Surgery,
 3) Department of Pediatric Cardiology, 4) Department of Gastro-enterology,
 5) Department of Nephrology, 6) Department of Dentistry, 7) Department of Obstetrics and Gynecology

Poster Session Program

January 27 (Saturday) 13:40-14:20

Poster Room [1F Conference Room]

Pregnancy and Delivery 1

Chair: **Hironobu Hyodo** (Tokyo Metropolitan Bokutoh Hospital, Department of Obstetrics and Gynecology)

P1-1-1 Marfan syndrome complicated pregnancy with mitral and aortic mechanical valve replacement, history of ascending aortic dissection; a case report

Atsushi Nakanishi, Chizuko Kamiya, Ayaka Nakashima, Yumi Murayama, Rie Tsukinaga, Masami Sawada, Tadashi Shionoiri, Tae Konishi, Chinami Horiuchi, Takekazu Miyoshi, Mitsuhiro Tsuritani, Naoko Iwanaga, Reiko Neki and Jun Yoshimatsu

National Cerebral and Cardiovascular Center, Department of Perinatology and Gynecology

P1-1-2 A successful case of pregnancy in woman after one and one-half ventricular repair

Katsura Soma¹⁾, Tomohiro Kawabe²⁾, Takeshi Nagamatsu³⁾, Ryo Inuzuka²⁾, Akihito Saito¹⁾, Toshiro Inaba¹⁾, Atsushi Yao⁴⁾, Issei Komuro¹⁾

1) Department of Cardiovascular Medicine, The University of Tokyo Hospital,

2) Department of Pediatrics, The University of Tokyo Hospital,

3) Department of Obstetrics and Gynecology, Faculty of Medicine, The University of Tokyo Hospital,

4) Health Service Promotion, The University of Tokyo

**P1-1-3 Cardiac function in multipara with congenital heart diseases
-Comparison with first childbirth-**

Azusa Fukumitsu¹⁾, Jun Muneuchi²⁾, Kayo Kurokawa¹⁾, Aki Ogawa¹⁾, Tomoyo Okuda¹⁾, Machiko, Murata¹⁾, Kikuko, Akimitsu¹⁾, Naoki, Kawaguchi²⁾, Hiromitsu Shirouzu²⁾, Chiaki Iida²⁾, Seigo Okada²⁾, Yuichiro, Sugitani²⁾, Mamie Watanabe²⁾, Takeshi, Kawakami³⁾, Koji Ito⁴⁾

1) Department of Clinical Laboratory, Japan Community Health Care Organization Kyushu Hospital,

2) Department of Pediatric Cardiology, Japan Community Health Care Organization Kyushu Hospital,

3) Department of Obstetrics, Japan Community Health Care Organization Kyushu Hospital,

4) Department of Cardiology, Japan Community Health Care Organization Kyushu Hospital

P1-1-4 Pregnancy and delivery for the second time or more among adult congenital heart disease women

Hironobu Hyodo, Naoya Tsujimoto, Satoshi Nitta, Saho Fujino, Miho Saito, Norihiko Nakazato, Etsuko Saito, Chikako Hikosaka, Midori Funakura, Tomoko Inoue, Shiho Miura, Sorahiro Sunagawa, Takahiro Kasamatsu, Koji Kugu

Department of Obstetrics and Gynecology, Tokyo Metropolitan Bokutoh Hospital

P1-1-5 Pregnancy of ACHD patients with arrhythmia

Norie Mitsushita¹⁾, Yasuhiko Tanaka¹⁾, Jun Yoshimoto¹⁾, Yasuo Ono²⁾, Hiroki Sakamoto²⁾

1) Shizuoka Children's Hospital, Dept of Cardiology, 2) Shizuoka General Hospital, Dept of Cardiology

Treatment of Pulmonary arterial hypertension/Heart failure in ACHD 1

Chair: **Hosataka Maki** (The University of Tokyo Hospital, Department of Cardiovascular Medicine)

P1-2-1 Reduced arrhythmic episodes by pulmonary targeted therapy in Eisenmenger syndrome; A case report

Hidetaka Teshima¹⁾, Hideki Motomura²⁾

1) Omura Municipal Hospital, Dept of Pediatrics, 2) National Nagasaki Medical Center, Dept of Pediatrics

P1-2-2 A case of pulmonary hypertension associated with huge baffle leakage in patient with transposition of great arteries long after the Senning procedure

Terunobu Fukuda¹⁾, Naoto Kawamatsu^{1,2)}, Yasufumi Kijima¹⁾, Yumi Shiina¹⁾, Koichiro Niwa¹⁾

1) St Luke's International Hospital, Dept Cardiology, 2) Mito Saiseikai General Hospital

P1-2-3 An adult case of atrial septal defect with pulmonary hypertension treated with Selexipag after operation

Nobuyoshi Kusano¹⁾, Noboru Inamura¹⁾, Kohsuke Nishi¹⁾, Kazushi Ueshima¹⁾, Satoshi Marutani¹⁾, Takako Nishino²⁾, Toshihiko Saga²⁾, Tsukasa Takemura¹⁾

1) Department of Pediatrics, Kindai University Faculty of Medicine,

2) Department of Cardiac Surgery, Kindai University Faculty of Medicine

P1-2-4 Pulmonary hypertension as a result of portosystemic shunt surgery for extra-hepatic vein obstruction

Kohei Kaneta, Jin Ueda, Nao Konagai, Ryotaro Asano, Shigefumi Fukui, Akihiro Tsuji, Takeshi Ogo, Satoshi Yasuda

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center

P1-2-5 Influence of furosemide on pregnant women with heart disease

Yumi Murayama, Chizuko Kamiya, Ayaka Nakajima, Rie Tsukinaga, Masami Sawada, Tadashi Shinoiri, Tae Konishi, Atsushi Nakanishi, Chinami Horiuchi, Takekazu Miyoshi, Mitsuhiro Tsuritani, Naoko Iwanaga, Jun Yoshimatsu

P1-2-6 TVR in patient with ccTGA and systemic ventricular dysfunction after physiological repair

Hideki Tatewaki¹⁾, Ichiro Sakamoto²⁾, Kazuhiro Hinokiyama¹⁾, Hazumu Nagata³⁾, Hiromichi Sonoda¹⁾, Hiroyuki Tsutsui²⁾, Shoichi Ohga³⁾, Akira Shiose¹⁾

1) Department of Cardiovascular Surgery, Kyushu University Hospital,

2) Department of Cardiology, Kyushu University Hospital,

3) Department of Pediatrics, Kyushu University Hospital

P1-2-7 Acute Heart Failure due to Acute Atrioventricular Valve Regurgitation in Adult Patients with Fontan Operation

Teppey Fujita^{1,4)}, Ichiro Sakamoto¹⁾, Hideki Tatewaki²⁾, Hazumu Nagata³⁾, Toshimi Koitabashi⁴⁾, Ako Junya⁴⁾, Akira Shiose⁴⁾, Hiroyuki Tsutsui¹⁾

1) Department of Cardiovascular Medicine, Kyushu University Hospital,

2) Department of Cardiovascular Surgery, Kyushu University Hospital,

3) Department of Pediatrics, Kyushu University Hospital,

4) Department of Cardiovascular Medicine, Kitasato University School of Medicine

Surgery

Chair: **Yasuhiro Kotani** (Okayama University, Department of Cardiovascular Surgery)

P1-3-1 Revision Repair for Residual ASD in Adults After Surgical Closure.

Yoshinori Miyahara, Suguru Tarui, Hideki Yamaguchi, Hirohito Terada, Takeshi Sasaki, Susumu Hiranuma, Hirofumi Nakagawa, Keijiro Ibuki, Hisako Kakimoto, Takanari Fujii, Yoshihito Hata, Hiroshi Okuyama, Akihiro Nabuchi, Kozo Ishino, Hideshi Tomita
Showa University Northern Yokohama Hospital, Cardiovascular Center

P1-3-2 Case report: Extra-anatomical bypass and vascular occlusion for pseudoaneurysm after patch plasty of aortic coarctation

Tomoyuki Iwase¹, Jun-ichi Koizumi¹, Kansyu Ueda², Yurie Takizawa³, Satoshi Nakano³, Shin Takahashi³, Kotaro Oyama³, Takeshi Kamada¹, Hajime Kin¹
1) Iwate Medical University, Cardiovascular Surgery, 2) Iwate Medical University, Cardiology, 3) Iwate Medical University, Pediatric Cardiology

P1-3-3 MICS Cone surgery for Tricuspid Regurgitation in an Adult Patient with Ebstein's disease

Masashi Komeda, Hiroto Uchiyama, Sakurako Nakamura, Takashi Kusunose, Shoji Fujiwara, Toshimi Ujiie
Iseikai Hospital, Dept of Cardiovascular Surgery

P1-3-4 A Case of TCPC Conversion with intra-atrial conduit

Osamu Adachi¹, Yoshikatsu Saiki¹, Masato Kimura²
Tohoku University Hospital, 1) Dept Cardiovascular Surgery, 2) Dept Pediatrics

P1-3-5 Infective endocarditis of the ventricular septal defect patch and associated pulmonary embolism 34 years after its closure

Ayako Maruo¹, Hidefumi Obo¹, Hidetaka Wakiyama¹, Toshihito Sakamoto¹, Mayuko Yamamoto¹, Masahiro Yamaguchi¹, Hiroki Shimizu², Takeaki Shirai³
Kakogawa Central City Hospital,
1) Department of Cardiovascular Surgery, 2) Department of Cardiology, 3) Department of Pediatrics

Long-term prognosis, Pathophysiology

Chairman: **Toshiro Inaba** (The University of Tokyo Hospital, Department of Cardiovascular Medicine)

P1-4-1 An Adult case of Silent Pulmonary Emboli after Fontan operation

Yukie Kaneko¹, Yoshiki Mori¹, Tomotaka Murakami¹, Nao Inoue¹, Yasumi Naiajima¹, Masaaki Koide²
Seirei Hamamatsu General Hospital, 1) Dept of Pediatric Cardiology, 2) Dept of Cardiovascular Surgery

P1-4-2 Two adult cases with congenital heart disease, who dropped out in childhood, became symptomatic and had indications of surgical repair in adulthood.

Atsuko Ashida¹, Hiroshi Katayama¹, Masaaki Hoshiga², Yutaka Odanaka¹, Noriyasu Ozaki¹, Kanta Kishi¹, Takahiro Okuno², Daichi Maeda², Yoshihiro Takeda², Tatsuya Suzuki³, Hayato Konishi³, Shintaro Nemoto³, Hiroshi Tamai¹
1) Osaka Medical College Hospital, Dept Pediatrics, 2) Osaka Medical College Hospital, Dept Cardiology, 3) Osaka Medical College Hospital, Dept Pediatric Cardiovascular Surgery

P1-4-3 A case of Williams syndrome with infective endocarditis

Ryohei Matsuoka¹⁾, Hazumu Nagata¹⁾, Ichiro Sakamoto²⁾, Hideki Tatewaki³⁾, Shunsuke Fuji¹⁾, Yoshimi Eguchi¹⁾, Mamoru Muraoka¹⁾, Shouji Fukuoka¹⁾, Kiyoshi Uike¹⁾, Yusaku Nagatomo¹⁾, Yuichiro Hirata¹⁾, Akira Shiose³⁾, Hiroyuki Tsutsui²⁾, Shouichi Ohga¹⁾

Kyusyu University Hospital,

1) Dept of Pediatric, 2) Dept of Cardiovascular Medicine, 3) Dept of Cardiovascular Surgery

P1-4-4 Infective endocarditis in adults with congenital heart disease.

Toshi Maeda¹⁾, Kei-ichi Fuiwara¹⁾, Otohime Kato¹⁾, Kentaro Watanabe¹⁾, Go Ueno¹⁾, Kosuke Yoshizawa¹⁾, Tatsuji Okada¹⁾, Nobuhisa Ohno¹⁾, Kotaro Inaguma²⁾, Naoki Toyota²⁾, Haruko Ishihara²⁾, Hisanori Sakazaki²⁾

1) Hyogo Prefectural Amagasaki General Medical Center, Cardiovascular Surgery,

2) Hyogo Prefectural Amagasaki General Medical Center, Pediatric Cardiology

P1-4-5 A case of elderly Ebstein's anomaly with hypoxemia

Shingo Tsujinaga¹⁾, Satoshi Yamada¹⁾, Hiroyuki Iwano¹⁾, Miwa Sarashina¹⁾, Taichi Hayashi¹⁾, Michito Murayama²⁾, Ayako Ichikawa³⁾, Masahiro Nakabachi³⁾, Shinobu Yokoyama³⁾, Hisao Nishino³⁾, Toshihisa Anzai¹⁾

1) Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University,

2) Diagnostic Center for Sonography, Hokkaido University Hospital,

3) Division of Clinical Laboratory and Transfusion Medicine, Hokkaido University Hospital

Topics in late after CHD surgery 1

Chair: **Masashi Kabasawa** (Chiba Cardiovascular Center, Department of Cardiovascular Surgery, Department of ACHD)

P1-5-1 Anesthetic management of adult patients with Fontan circulation in noncardiac surgery

Makoto Sumie¹⁾, Yuji Karashima²⁾, Hideki Tatewaki³⁾, Akira Shiose³⁾, Sumio Hoka^{1,2)}

1) Operating Rooms, Kyushu University Hospital,

2) Department of Anesthesiology and Critical Care Medicine, Graduate School of Medical Sciences, Kyushu University,

3) Department of Cardiovascular Surgery, Kyushu University Hospital

P1-5-2 Safe thoracic surgery in adult Fontan patients -a hemodynamic simulation in one lung Fontan circulation-

Chiaki Iida¹⁾, Jun Muneuchi¹⁾, Yuichiro Sugitani¹⁾, Mamie Watanabe¹⁾, Seigo Okada¹⁾, Hiromitsu Shirouzu¹⁾, Naoki Kawaguchi¹⁾, Kunitaka Joo¹⁾, Wataru Furuno²⁾, Tetsuro Kamimura²⁾

JCHO Kyushu Hospital., 1) Department of Pediatrics, 2) Department of Pediatric Surgery

P1-5-3 Atrioventricular Valve Repair in Adult Patients with Fontan Procedure

Ichiro Sakamoto¹⁾, Hideki Tatewaki²⁾, Kisho Ohtani¹⁾, Teppei Fujita¹⁾, Shintaro Umemoto¹⁾, Ken-Ichi Hiasa¹⁾, Hazumu Nagata³⁾, Shoichi Ohga³⁾, Akira Shiose²⁾, Hiroyuki Tsutsui³⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Cardiovascular Surgery,

3) Kyushu University Hospital, Department of Pediatrics

P1-5-4 Aortic Regurgitation in Adult Patients with Systemic Right Ventricle and Congenitally Corrected Transposition of Great Arteries.

Shintaro Umemoto¹⁾, Ichiro Sakamoto¹⁾, Ken-ichi Hiasa¹⁾, Tomomi Ide¹⁾, Hazumu Nagata²⁾, Shoichi Ohga²⁾, Hideki Tatewaki³⁾, Akira Shiose³⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Pediatrics,

3) Kyushu University Hospital, Department of Cardiovascular Surgery

P1-5-5 A case of ventricular fibrillation long-term after the double switch operation for congenitally corrected transposition.

Tadayuki Mitama¹⁾, Tomoyuki Kabutoya¹⁾, Kana Kubota¹⁾, Yusuke Oba¹⁾, Takahiro Komori¹⁾, Yasushi Imai¹⁾, Masaaki Kawada²⁾, Kazuomi Kario¹⁾

1) Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University,

2) Division of Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi

P1-5-6 Impact of right ventricular outflow tract stenosis with pulmonary valve regurgitation on cardiac functions

Atsushi Kitagawa¹⁾, Hirofumi Saiki¹⁾, Seiko Kuwata¹⁾, Manabu Takanashi¹⁾, Kagami Miyaji²⁾, Masahiro Ishii¹⁾

1) Department of Pediatrics, Kitasato University School of Medicine,

2) Department of Cardiovascular Surgery, Kitasato University School of Medicine

Topics in general ACHD

Chair: **Atsushi Mizuno** (Department of Cardiology, Cardiovascular Center, St. Luke's International Hospital)

P1-6-1 A case of adult Ebstein's disease; re-evaluation of clinical conditions including exercise tests and surgery during adulthood

Emi Maekawa¹⁾, Toshimi Koitabashi¹⁾, Mayu Yazaki¹⁾, Tetsuro Sato¹⁾, Teppei Fujita¹⁾, Yuichiro Iida¹⁾, Takeru Nabeta¹⁾, Shunsuke Ishii¹⁾, Takashi Naruke¹⁾, Takamichi Inoue²⁾, Sumito Kimura³⁾, Masahiro Ishii³⁾, Kagami Miyaji²⁾, Junya Ako¹⁾

1) Department of Cardiovascular Medicine, Kitasato University School of Medicine,

2) Department of Cardiovascular Surgery, Kitasato University School of Medicine,

3) Department of Pediatrics, Kitasato University School of Medicine

P1-6-2 A case of Congenitally Corrected TGA with recovered right ventricular dysfunction after cardiac resynchronization therapy and subsequent tricuspid valve replacement

Seiji Asagai¹⁾, Daiji Takeuchi¹⁾, Hiroki Mori¹⁾, Gen Harada¹⁾, Keiko Toyohara¹⁾, Tetsuko Ishii¹⁾, Kei Inai¹⁾, Hisashi Sugiyama¹⁾, Hirofumi Tomimatsu¹⁾, Mitsuki Nagashima²⁾

1) Tokyo Women's Medical University, Pediatric Cardiology,

2) Tokyo Women's Medical University, Cardiovascular Surgery

P1-6-3 Analysis of Platelet in Fontan patients

Yuichi Miyagi, Tatsuya Ohnishi, Keisuke Fukudome, Kazuya Terada

Shikoku Medical Center for Children and Adults, Department of Pediatric Cardiology

P1-6-4 The thought of 22q11.2 deletion syndrome patient who was in adulthood

Chiaki Kitamura

Niigata College of Nursing

P1-6-5 Case report: A male case of hyperthyroidism developed 18 years after Kawasaki Disease

Yasunori Horiguchi

International University and Welfare of Health, Atami Hospital, Dept of Pediatrics

January 27 (Saturday) 17:10 – 18:10 Poster Room [1F Conference Room]

Pregnancy and Delivery 2

Chair: **Hironori Takahashi** (Jichi Medical University, Department of Obstetrics and Gynecology)

P1-7-1 Pregnancy in patients with Fontan circulation

Hazumu Nagata¹⁾, Ichiro Sakamoto²⁾, Masahiro Hachisuga³⁾, Hideki Tatewaki⁴⁾, Yuichiro Hirata¹⁾, Yusaku Nagatomo¹⁾, Kiyoshi Uike¹⁾, Shouji Fukuoka¹⁾, Yoshimi Eguchi¹⁾, Syunsuke Fujii¹⁾, Ryouhei Matsuoka¹⁾, Yasuyuki Fujita³⁾, Akira Shiose⁴⁾, Hiroyuki Tsutsui²⁾, Kiyoko Kato³⁾, Shouichi Ohga¹⁾

Kyushu University Hospital,

1) Department of Pediatrics, 2) Cardiovascular Medicine, 3) Obstetrics and Gynecology,

4) Cardiovascular Surgery

P1-7-2 Pregnancy and Delivery after Fontan type operation

Sachiko Kido, Naoya Kamei, Toshikatsu Tanaka, Yasunobu Miki, Michio Matsuoka, Yoshiharu Ogawa, Kenta Tominaga

Department of Cardiology, Hyogo Prefectural Kobe Children's Hospital

P1-7-3 Two patients who had difficulty in peripartum cardiac failure management: clinical courses and improvements

Kana Kubota¹⁾, Yasushi Imai^{1,2)}, Ken Kono¹⁾, Satoshi Hoshide¹⁾, Masaaki Kawada³⁾, Kazuomi Kario¹⁾

1) Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University School of Medicine,

2) Division of Clinical Pharmacology, Department of Pharmacology, Jichi Medical University School of Medicine,

3) Jichi Children's Medical Center Tochigi, Department of Pediatric and Congenital Cardiovascular Surgery

P1-7-4 Successful pregnancy and delivery 17years after Ross-Konno procedure

Yo Kajiyama¹⁾, Ken-ichi Okumura¹⁾, Masaaki Yamagishi²⁾

Kyoto Prefectural University of Medicine,

1) Department of Pediatrics, 2) Department of Pediatric Cardiovascular Surgery

P1-7-5 Acute Myocardial Infarction Caused by Coronary Embolism from Aortic Bioprosthesis in a 5-week-Pregnant Woman. A Case Report.

Naoto Kawamatsu¹⁾, Tomoko Ishizu²⁾, Norihiro Yamada¹⁾, Yuki Kawahara¹⁾, Jun-ichi Goto¹⁾, Kenji Maemura¹⁾, Motoaki Higuchi¹⁾, Mayu Ishibashi¹⁾, Yoshiro Chiba¹⁾, Koji Ohira¹⁾, Minoru Murata¹⁾, Hitoshi Horigome³⁾

1) Department of Cardiology, Mito Saiseikai General Hospital,

2) Cardiovascular Division, Faculty of Medicine, University of Tsukuba,

3) Department of Child Health, Graduate School of Comprehensive Human Sciences, University of Tsukuba

P1-7-6 Outcome of Pregnancy in Women with Repaired Tetralogy of Fallot

Eriko Shimada, Kei Inai, Tokuko Shinohara, Hisashi Sugiyama

Department of Pediatric Cardiology, Department of Clinical Research for Adult Congenital Heart Disease, Tokyo Women's Medical University

P1-7-7 Clinical Profiles of Pregnancy in Women with Cardiovascular Disease

Shunsuke Tatebe¹⁾, Koichiro Sugimura¹⁾, Kimio Satoh¹⁾, Tatsuo Aoki¹⁾, Saori Yamamoto¹⁾, Toru Shimizu¹⁾, Masatoshi Saito²⁾, Kengo Kawano³⁾, Osamu Adachi⁴⁾, Hiroaki Shimokawa¹⁾

1) Tohoku University Hospital, Department of Cardiovascular Medicine,

2) Tohoku University Hospital, Department of Obstetrics and Gynecology,

3) Tohoku University Hospital, Department of Pediatrics,

4) Tohoku University Hospital, Department of Cardiovascular Surgery

Treatment for Pulmonary arterial hypertension/Heart failure in ACHD 2

Chair: **Satoshi Masutani** (Saitama Medical University, Saitama International Medical Center, Department of Pediatric Cardiology)

P1-8-1 A "Treat and Repair" Case of Atrial Septal Defect Associated with Severe Pulmonary Arterial Hypertension

Hidemi Sorimachi, Norimichi Koitabashi, Kouei Nakano, Yukie Sano, Tomonari Harada, Takashi Nagasaka, Atsushi Umeyama, Jun-ichi Tomono, Kouji Kurosawa, Ryuichi Funada, Shu Kasama, Noriaki Takama, Masahiko Kurabayashi

Gunma Hospital University, Dept of Cardiology

P1-8-2 A case treated with inhalational Anti-PAH medicine for PAH late after ASD repair

Yoichi Tomita^{1,2)}, Eriko Shimada¹⁾, Tokuko Shinohara¹⁾, Hisashi Sugiyama¹⁾

1) Tokyo Women's Medical University Hospital, Department of Pediatric Cardiology,

2) Fukushima Prefectural Medical University Hospital, Department of Pediatric Cardiology

P1-8-3 The efficacy of riociguat in a case of pulmonary arterial hypertension associated with atrial septal defect

Shota Tokuno¹⁾, Keita Nakagawa¹⁾, Sarasa Toyoshima¹⁾, Syuko Iwata¹⁾, Masaru Yamaki¹⁾, Takeru Nishiura²⁾, Hirotuka Sakai¹⁾

1) Nayoro City General Hospital, Dept of Cardiology, 2) Nayoro City General Hospital, Dept of Emergency

P1-8-4 A case of treat and repair; lateral Fontan palliation for an adult patient with pulmonary atresia with intact ventricular septum after treatment with pulmonary vasodilator

Yasumasa Tsukamoto¹⁾, Hironori Yamamoto¹⁾, Fusako Sera¹⁾, Masaki Taira²⁾, Jun Narita³⁾, Isamu Mizote¹⁾, Shungo Hikoso¹⁾, Takayoshi Ueno²⁾, Shigetoyo Kogaki³⁾, Osamu Yamaguchi¹⁾, Yasushi Sakata¹⁾

1) Department of Cardiovascular Medicine Osaka University Graduate School of Medicine,

2) Department of Cardiovascular Surgery Osaka University Graduate School of Medicine,

3) Department of Pediatrics Osaka University Graduate School of Medicine

P1-8-5 A case of Two Chambered Right Ventricle complicated by Hypertrophic Cardiomyopathy and Mitral Stenosis.

Akihiko Miyata¹⁾, Hisanori Sakazaki²⁾, Sawa Miyagawa¹⁾, Ryoji Taniguchi¹⁾, Yukihiro Sato¹⁾, Tomoya Hanada²⁾, Kotaro Inaguma²⁾, Naoki Toyoda²⁾, Haruko Ishihara²⁾, Shinji Kaichi²⁾, Otohime Kato³⁾, Kosuke Yoshizawa³⁾, Nobuhisa Ono³⁾, Kei-ichi Fujiwara³⁾

1) Hyogo Prefectural Amagasaki General Medical Center, Department of Cardiology,

2) Hyogo Prefectural Amagasaki General Medical Center, Department of Pediatric Cardiology,

3) Hyogo Prefectural Amagasaki General Medical Center, Department of Cardiovascular Surgery

P1-8-6 Cardiac Resynchronization Therapy using Epicardial Lead and Transvenous Leads in Adult Patients with Congenitally Corrected Transposition of the Great Arteries

Ichiro Sakamoto¹⁾, Hideki Tatewaki²⁾, Teppei Fujita¹⁾, Daisuke Yakabe¹⁾, Shintaro Umemoto¹⁾, Hazumu Nagata³⁾, Shoichi Ohga³⁾, Akira Shiose²⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Cardiovascular Surgery,

3) Kyushu University Hospital, Department of Pediatrics

P1-8-7 A case of adult patent ductus arteriosus diagnosed by symptom of congestive heart failure due to end stage renal disease.

Yuko Wakisaka¹⁾, Ryuki Sakuma¹⁾, Hitomi Muramatsu²⁾, Tohru Taniguchi¹⁾, Koji Chida¹⁾

1) Ohta Hospital, Department of Cardiology, 2) Ohta Hospital, Department of Nephrology

Surgery 2

Chair: **Jun-ichi Koizumi** (Iwate Medical University Hospital, Cardiovascular Center, Department of Cardiac Surgery)

P1-9-1 A case of infective endocarditis in repaired tetralogy of Fallot who required triple-valve replacement

Hiroki Ikeuchi¹⁾, Masashi Kabasawa^{1,2)}, Yoshitomo Okajima^{2,3)}, Yasutaka Kawasoe^{2,3)}, Shigeru Tateno^{2,3)}, Hiroko Morishima^{2,3)}, Fumie Takechi^{2,3)}, Kozo Matsuo^{1,2)}

1) Chiba Cardiovascular Center, Department of Cardiovascular Surgery,

2) Chiba Cardiovascular Center, Department of Adult Congenital Heart Disease,

3) Chiba Cardiovascular Center, Department of Pediatrics

P1-9-2 Premature degeneration of bioprosthesis in pulmonary position in adult with repaired Tetralogy of Fallot

Masashi Kabasawa¹⁾, Kozo Matsuo¹⁾, Yoshitomo Okajima²⁾, Yasutaka Kawasoe²⁾, Shigeru Tateno²⁾, Hiroko Morishima²⁾, Fumie Takechi²⁾, Yoshiko Mizuno²⁾, Yumiko Shigyo²⁾

Chiba Cerebral and Cardiovascular Center,

1) Department of Cardiovascular Surgery, 2) Department of Adult Congenital Heart Disease

P1-9-3 Adult cases with partial anomalous pulmonary venous return

Masahide Chikada, Takeshi Miyairi, Hiroshi Nishimaki, Makoto Ohno, Hirokuni Ono, Kiyoshi Chiba, Daijyun Ro, Tokuchirou Nagata, Yuka Sakurai, Hirotoshi Suzuki, Shouta Kita
St. Marianna University, School of Medicine, Department of Cardiovascular Surgery

P1-9-4 Pulmonary artery banding for tricuspid regurgitation and right ventricular failure in the adult patient with congenitally corrected transposition of the great arteries

Sachiko Kawada, Yasuhiro Kotani, Yasuyuki Kobayashi, Genya Muraoka, Naohiro Horio, Michihiro Okuyama, Kouki Eto, Susumu Ozawa, Zenichi Masuda, Yousuke Kuroko, Sadahiko Arai, Shingo Kasahara

Okayama University Hospital, Dept. Cardiovascular Surgery

P1-9-5 A case of partial aortic arch replacement for aortic arch aneurysm late after interrupted aortic arch repair.

Kentaro Yamashita, Naritaka Kimura, Masatoshi Ohno, Hiroaki Izumida, Yu Inaba, Kanako Hayashi, Yujiro Kawai, Shinji Kawaguchi, Tatsuo Takahashi, Masataka Yamazaki, Tsutomu Ito, Ryo Aebe, Hideyuki Shimizu

Department of Cardiovascular Surgery, Keio University School of Medicine

P1-9-6 A surgical case of pulmonary valve stenosis and patent foramen ovale with right to left shunt

Hiroyuki Morishita, Tatsuo Kaneko, Masahiko Ezure, Yutaka Hasegawa, Yasuyuki Yamada, Joji Hoshino, Shuichi Okada, Shuichi Okonogi, Yuta Kanazawa

Division of Cardiovascular Surgery, Gunma Prefectural Cardiovascular Center

Topics in late after CHD surgery 2

Chair: **Ken Kono** (Jichi Medical University, Division of Cardiovascular Medicine)

P1-10-1 Association between Right Ventricular Impairment and Plasma Brain Natriuretic Peptide in repaired Tetralogy of Fallot and Double-Outlet Right Ventricle Patients

Manabu Nitta¹⁾, Teruyasu Sugano¹⁾, Atsuichiro Shigenaga¹⁾, Naohiro Komura¹⁾, Kiwamu Iwata¹⁾, Rie Nakashima¹⁾, Yusuke Matsumoto¹⁾, Sae Teranaka¹⁾, Hikari Noda¹⁾, Tomoaki Ishigami¹⁾, Toshiyuki Ishikawa¹⁾, Ryota Ochiai²⁾, Koichi Tamura¹⁾

1) Department of Medical Science and Cardiorenal Medicine, Yokohama City University Graduate School of Medicine,

2) Cancer/Advanced Adult Nursing, Department of Nursing, Graduate School of Medicine, Yokohama City University

P1-10-2 Liver disease long-term after initial repair of Tetralogy of Fallot

Yoshimi Eguchi¹⁾, Hazumu Nagata¹⁾, Shunsuke Fujii¹⁾, Ryohei Matsuoka¹⁾, Shoji Fukuoka¹⁾, Yusaku Nagatomo¹⁾, Yuichiro Hirata¹⁾, Shoichi Ohga¹⁾, Ichiro Sakamoto²⁾, Hiroyuki Tsutsui²⁾, Hideki Tatewaki³⁾, Akira Shiose³⁾

Kyushu University Hospital, 1) Dept of Pediatrics, 2) Dept of Cardiology, 3) Dept of Cardiovascular Surgery

P1-10-3 Reoperation for tetralogy of Fallot in two adult cases over 65 years old.

Yusuke Sonoda¹⁾, Takeaki Shirai²⁾, Ayako Maruo³⁾, Katsunori Okajima¹⁾, Yumi Sato²⁾, Miho Sakata²⁾, Makoto Kadotani¹⁾, Hiroki Shimizu¹⁾, Yoshio Ohnishi¹⁾

Kakogawa Central City Hospital,

1) Dept Cardiovascular Medicine, 2) Dept of Pediatrics, 3) Dept Cardiovascular Surgery

P1-10-4 Quadruple valve surgery for combined valvular disease with severe heart failure long after tetralogy of Fallot repair.

Kazuhiro Tani¹⁾, Akira Murata¹⁾, Shouta Nakagaki¹⁾, Masami Sotokawa¹⁾, Shingo Otaka¹⁾, Tetuyuki Ueda¹⁾, Masaki Kinoshita²⁾, Michiro Maruyama²⁾, Yoshiki Nagata²⁾, Kazuo Usuda²⁾

Toyama Prefectural Central Hospital, 1) Dept of Cardiovascular Surgery, 2) Dept of Cardiology

P1-10-5 An adult case of pulmonary atresia that developed cyanotic nephropathy late after TCCP operation

Hidemasa Namiki, Takahiro Nakamura, Akiko Iida, Masataka Kato, Akiko Komori, Tamaki Morohashi, Mamoru Ayusawa, Shori Takahashi

Nihon University School of Medicine, Dept of Pediatrics

P1-10-6 A case of heterotaxy with long term medical management for diffuse pulmonary arteriovenous fistula after Fontan surgery

Makoto Nishibatake, Masatomo Tokunaga

Kagoshima Seikyo Hospital, Dept of Pediatrics

P1-10-7 A case of lymphatic obstruction in patient after TCPC conversion

Kotaro Inaguma¹⁾, Hisanori Sakazaki¹⁾, Naoki Toyoda¹⁾, Haruko Ishihara¹⁾, Shinji Kaichi¹⁾,
Toushi Maeda²⁾, Otohime Kato²⁾, Kentaro Watanabe²⁾, Go Ueno²⁾, Kosuke Yoshizawa²⁾,
Tatsuji Okada²⁾, Nobuhisa Ohno²⁾, Kei-ichi Fujiwara²⁾

Hyogo Prefectural Amagasaki General Medical Center, 1) Pediatric Cardiology, 2) Cardiovascular Surgery

January 28 (Sunday) 14:20 – 15:10 Poster Room [1F Conference room]

Arrhythmia treatment

Chair: **Tomoyuki Kabutoya** (Jichi Medical University, Jichi Adult Congenital Heart Center, Division of Cardiovascular Medicine)

P2-11-1 Catheter ablation of atrial fibrillation in a patient with unroofed coronary sinus: a case report

Shohei Kataoka, Ken Kato, Masataka Ogiso, Hiroaki Morinaga, Hiroyuki Tanaka, Tamotsu Tejima
Tokyo Metropolitan Tama Medical Center, Department of Cardiology

P2-11-2 A case report: successful catheter ablation of adenosine-sensitive atrial tachycardia in repaired Tetralogy of Fallot

Yoshitaka Kimura¹⁾, Makoto Nakano¹⁾, Yui Hasebe¹⁾, Kyoshiro Fukasawa¹⁾, Takahiko Chiba¹⁾,
Keita Miki¹⁾, Shunsuke Tatebe¹⁾, Osamu Adachi²⁾, Yoshikatsu Saiki²⁾, Hiroaki Shimokawa¹⁾
Tohoku University, 1) Cardiovascular Medicine, 2) Cardiovascular Surgery

P2-11-3 An ejection fraction improvement case with atrial septal defect closure after atrial fibrillation ablation

Masataka Ogiso¹⁾, Ken Kato¹⁾, Shohei Kataoka¹⁾, Hiroyuki Tanaka¹⁾, Tamotsu Tejima¹⁾, Hiroo Oki²⁾,
Masaru Miura²⁾

1) Tokyo Metropolitan Tama Medical Center, Department of Cardiology,

2) Tokyo Metropolitan Children's Medical Center, Department of Cardiology

P2-11-4 Effectiveness of CRT to Single ventricle-like large VSD patient with heart failure after patch closure

Hideki Tashiro¹⁾, Chie Ryou¹⁾, Yurie Fukami¹⁾, Motofumi Iemura²⁾

1) Division of Cardiology, St. Mary's Hospital, 2) Division of Pediatric Cardiology, St. Mary's Hospital

P2-11-5 Atrial Flutter in TGA post Mustard operation with Multiple vascular occlusion: big challenge in diagnosis and ablation of arrhythmia in adult congenital heart disease.

Jun Yoshimoto, Keisuke Sato, Sung-Hae Kim, Norie Mitsushita, Masaki Nii, Yasuhiko Tanaka
Department of Cardiology, Shizuoka Children's Hospital

P2-11-6 A case of surgical procedure for VSD concomitant with persistent atrial fibrillation: Closure of left atrial appendage using AtriClip.

Katsuhiko Imai, Makoto Hamaishi, Taiichi Takasaki

NHO Kure Medical Center, Chugoku Cancer Center, Dept. of Cardiovascular Surgery

P2-11-7 Histology of dual atrioventricular nodal lesion in a patient with double outlet right ventricle after Fontan procedure.

Taka-aki Matsuyama¹⁾, Hideo Ohuchi²⁾, Aya Miyazaki³⁾, Ken-ichi Kurosaki²⁾, Koji Miyamoto⁴⁾, Kengo Kusano⁴⁾, Kinta Hatakeyama⁵⁾, Hatsue Ishibashi-Ueda⁶⁾

1) Department of Legal Medicine, Showa University School of Medicine,

2) Pediatric Cardiology and Adult Congenital Heart Disease, National Cerebral and Cardiovascular Center,

3) Department of Pediatric Cardiology, Tenri Yorozu Hospital,

4) Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center,

5) Department of Diagnostic Pathology, Nara Medical University,

6) Department of Pathology, National Cerebral and Cardiovascular Center

Daignostic imaging/Intervention

Chair: **Yukiyo Ogata** (Jichi Medical University, Division of Cardiovascular Medicine)

P2-12-1 Atrial Septal Defect with Right to Left Shunt owing to the Thoracic Deformity

Ryotaro Asano¹⁾, Shigefumi Fukui¹⁾, Takuya Hasegawa¹⁾, Tatsuya Nishii²⁾, Nao Konagai¹⁾, Kazuto Fujimoto³⁾, Masataka Kitano³⁾, Jin Ueda¹⁾, Akihiro Tsuji¹⁾, Takeshi Ogo¹⁾, Satoshi Yasuda¹⁾

1) Department of Cardiovascular Medicine, 2) Department of Radiology,

3) Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center

P2-12-2 Repair of partial pulmonary artery sling in a 16-year-old boy

Yusaku Nagatomo¹⁾, Jun Muneuchi¹⁾, Mamie Watanabe¹⁾, Hazumu Nagata³⁾, Yoshie Ochiai²⁾

Japan Community Health Care Organization (JCHO) Kyushu Hospital,

1) Department of Pediatrics, 2) Department of Cardiovascular Surgery,

3) Kyushu University Hospital, Department of Pediatrics

P2-12-3 Experience of cardiac MRI in clinical practice for ACHD and Kawasaki disease

Yasunori Horiguchi¹⁾, Atsuko Suzuki²⁾

1) International University of Health and Welfare, Atami Hospital, Department of Pediatrics,

2) Tokyo Teishin Hospital, Dept of Pediatrics

P2-12-4 The catheter intervention for adult congenital heart disease of our hospital

Masami Ukiyama, Kiyohiro Takigiku, Satoshi Yasukochi, Kouta Takei, Masafumi Ustumi,

Taichi Nakamura, Junpei Kawamura, Mieko Maezawa

Nagano Children's Hospital, Department of Pediatric Cardiology

P2-12-5 Transcatheter occlusion of PDA for a patient complicated by chronic kidney disease before kidney transplantation

Keita Negishi¹⁾, Kana Kubota¹⁾, Tetsu Akimoto²⁾, Koji Nanmoku³⁾, Akira Kurosawa³⁾, Tomoyuki Sato⁴⁾, Takaomi Minami⁴⁾, Koichi Kataoka⁴⁾, Masaaki Kawada⁵⁾, Yasushi Imai^{1,6)}, Kazuomi Kario¹⁾

1) Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University,

2) Division of Nephrology, Department of Medicine, Jichi Medical University,

3) Division of Renal Surgery and Transplantation, Department of Urology, Jichi Medical University,

4) Department of Pediatrics, Jichi Medical University,

5) Division of Cardiovascular Surgery, Department of Surgery, Jichi Medical University,

6) Division of Clinical Pharmacology, Department of Pharmacology, Jichi Medical University

Surgery 3

Chair: **Yoshinori Miyahara** (Showa University, Northern Yokohama Hospital, Cardiovascular Center, Department of Cardiovascular Surgery)

P2-13-1 A Case Report of Adult Woman Who was Diagnosed as BWG Syndrome and Surgically Corrected with Left Coronary Translocation and Mitral Valve Repair

Jun-ichi Koizumi¹⁾, Tomoyuki Iwase¹⁾, Hironobu Ueda²⁾, Yurie Takizawa³⁾, Satoshi Nakano³⁾, Shin Takahashi³⁾, Kotaro Oyama³⁾, Hajime Kin¹⁾

1) Iwate Medical University, Cardiovascular Surgery, 2) Iwate Medical University, Cardiology,

3) Iwate Medical University, Pediatric Cardiology

P2-13-2 A case of Ebstein disease with heart failure in the age of 60s whose treatment strategy was difficult.

Toyoji Kaida¹⁾, Toshimi Koitabashi¹⁾, Teppei Fujita¹⁾, Akira Sato¹⁾, Keiko Koriyama¹⁾, Emi Maekawa¹⁾, Yoshiyasu Minami¹⁾, Miyuki Shibata²⁾, Hidehira Fukaya¹⁾, Kentaro Meguro¹⁾, Shin-ichi Niwano¹⁾, Kagami Miyaji²⁾, Jun-ya Ako¹⁾

1) Kitasato University School of Medicine, Department of Cardiovascular Medicine,

2) Kitasato University School of Medicine, Department of Cardiovascular Surgery

P2-13-3 Surgical Management and outcome of Adult Ebstein's Anomaly

Kentaro Watanabe¹⁾, Kei-ichi Fujiwara¹⁾, Toshi Maeda¹⁾, Otohime Kato¹⁾, Go Ueno¹⁾, Kosuke Yoshizawa¹⁾, Tatsuji Okada¹⁾, Nobuhisa Ohno¹⁾, Kotaro Inaguma²⁾, Haruko Ishihara²⁾, Naoki Toyoda²⁾, Hisanori Sakazaki²⁾

1) Hyogo Prefectural Amagasaki General Medical Center, Dept of Cardiovascular Surgery,

2) Hyogo Prefectural Amagasaki General Medical Center, Dept of Pediatric Cardiology

P2-13-4 A case of Complex Mitral Repair for a Patient with Severe Mitral Regurgitation Late after Kay-Reed Repair

Masashi Komeda, Hiroto Uchiyama, Sakurako Nakamura, Takashi Kusunose, Shoji Fujiwara, Toshimi Ujiie

Iseikai Hospital Dept. of Cardiovascular Surgery

P2-13-5 A case of tricuspid valve replacement and mitral valve repair for congenitally corrected transposition of the great arteries with severe tricuspid valve and mitral valve regurgitation.

Yuji Takayanagi, Masaaki Koide, Yoshifumi Kunii, Takuya Maeda, Jin Ikarashi, Yousuke Sakurai

Seirei Hamamatsu Hospital, Dept of Cardiovascular Surgery

P2-13-6 A case, reoperated for a remote phase of the double outlet left ventricle late after surgery

Satoshi Marutani¹⁾, Noboru Inamura¹⁾, Nobuyoshi Kusano¹⁾, Kazushi Ueshima¹⁾, Nori Imaoka¹⁾, Takako Nishino²⁾, Toshihiko Saga²⁾, Tsukasa Takemura¹⁾

1) Department of Pediatrics, Kindai University Faculty of Medicine,

2) Department of Cardiovascular Surgery, Kindai University Faculty of Medicine

Surgery 4

Chair: **Ayako Maruo** (Kakogawa Central City Hospital, Department of Cardiovascular Surgery)

P2-14-1 Surgical Results of Two-Chambered Right Ventricle in adult

Takahisa Sakurai, Hajime Sakurai, Toshimichi Nonaka, Takuya Osawa, Yuson Wada
JCHO Chukyo Hospital, Dept of Cardiovascular Surgery

P2-14-2 Resection of anomalous muscle bars in Double-Chambered Right Ventricle late after VSD repair

Akiko Katagiri¹⁾, Yusuke Iwata¹⁾, Yuki Nakayama¹⁾, Takamasa Takeuchi¹⁾, Yuki Matsuhisa²⁾,
Atsushi Terasawa²⁾, Tetsuya Yamomoto²⁾, Kentaro Omoya²⁾, Hiroko Goto²⁾, Naoki Kuwabara²⁾,
Hisashi Kuwabara²⁾

Gifu Prefectural General Medical Center, 1) Dept of Pediatric Cardiac Surgery, 2) Dept of Pediatric Cardiology

P2-14-3 A surgical case of PAPVR induced-uncontrollable right ventricular failure in Turner syndrome after partial arch replacement for acute type A aortic dissection

Yu Hohri, Takuma Yamasaki, Yuichi Matsuzaki, Takeshi Hiramatsu
Kyoto Daini Red Cross Hospital, Cardiovascular Surgery

P2-14-4 Concomitant procedures in adult congenital heart surgery

Otohime Kato¹⁾, Kosuke Yoshizawa¹⁾, Kei-ichi Fujiwara¹⁾, Toshi Maeda¹⁾, Kentaro Watanabe¹⁾,
Go Ueno¹⁾, Tatsuji Okada¹⁾, Nobuhisa Ohno¹⁾, Kotaro Inaguma²⁾, Naoki Toyoda²⁾,
Haruko Ishihara²⁾, Hisanori Sakazaki²⁾

Hyogo Prefectural Amagasaki General Medical Center, 1) Cardiovascular Surgery, 2) Pediatric Cardiology

P2-14-5 An elderly aortic coarctation case complicated with heart failure who successfully underwent ascending aortic - descending aortic bypass surgery

Shunsuke Saito¹⁾, Kana Kubota¹⁾, Ippei Takazawa²⁾, Yasushi Imai^{1,3)}, Masaaki Kawada⁴⁾,
Yoshio Misawa²⁾, Kazuomi Kario¹⁾

1) Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University School of Medicine,

2) Jichi Medical University Hospital, Department of Cardiovascular Surgery,

3) Division of Clinical Pharmacology, Department of Pharmacology, Jichi Medical University School of Medicine,

4) Jichi Children's Medical Center Tochigi, Department of Pediatric and Congenital Cardiovascular Surgery

Topics in late after CHD surgery 3

Chairman: **Ko Yoshizumi** (Jichi Children's Medical Center Tochigi, Pediatric and Congenital Cardiovascular Surgery)

P2-15-1 Single Ventricular Dyssynchrony Due to Dilated Atrial Tunnel in Adult Patients with Fontan Circulation

Ichiro Sakamoto¹⁾, Hideki Tatewaki²⁾, Shintaro Umemoto¹⁾, Hazumu Nagata³⁾, Shoichi Ohga³⁾,
Akira Shiose²⁾, Hiroyuki Tsutsui¹⁾

1) Kyushu University Hospital, Department of Cardiovascular Medicine,

2) Kyushu University Hospital, Department of Cardiovascular Surgery,

3) Kyushu University Hospital, Department of Pediatrics

P2-15-2 Venous ulcer in the lower leg:

Chronic venous insufficiency 20 years after a Fontan Operation

Takuya Kawabata¹⁾, Satoru Sugiyama²⁾, Yoichiro Toi³⁾, Masahiro Kamada⁴⁾, Kunikazu Hisamochi¹⁾

1) Hiroshima City Hiroshima Citizens Hospital, Department of Cardiovascular Surgery,

2) Hiroshima Teishin Hospital, Department of Surgery,

3) Hiroshima City Hiroshima Citizens Hospital, Department of Dermatology,

4) Hiroshima City Hiroshima Citizens Hospital, Department of Pediatric Cardiology,

P2-15-3 A giant splenic arterial aneurysm was found in polysplenia female with refractory ascites after TCPC operation.

Minako Hoshiai¹⁾, Hiroaki Kise²⁾, Yosuke Kono²⁾, Masashi Yoshizawa²⁾, Yuto Sunaga²⁾,

Kei-ichi Koizumi²⁾, Kanji Sugita²⁾, Takako Toda²⁾

1) Pediatric Heart Center, Yamanashi Prefectural Central Hospital,

2) Department of Pediatrics, University of Yamanashi

P2-15-4 Long term survival after the HLHS • Fontan operation difficult: manegement of PLE

Mieko Maezawa, Kiyohiro Takigiku, Masami Ukiyama, Junpei Kawamura, Taichi Nakamura,

Masafumi Utsumi, Kouta Takei, Satoshi Yasukouchi

Nagano Children's Hospital, Department of Pediatric Cardiology

P2-15-5 Neo AVR and conduit replacement after EC-TCPC and DKS procedure

Hideki Tatewaki¹⁾, Hikaru Uchiyama¹⁾, Hazumu Nagata²⁾, Ichiro Sakamoto³⁾, Hiromichi Sonoda¹⁾,

Hirofumi Tsutsui³⁾, Syouichi Ohga²⁾, Akira Shiose¹⁾

1) Department of Cardiovascular Surgery, Kyushu University Hospital, 2) Department of Pediatric,

3) Department of Cardiology

P2-15-6 Experiences of perioperative management in patients with complex adult congenital heart disease

Yusuke Yumita¹⁾, Terunobu Fukuda¹⁾, Yumi Shiina¹⁾, Yasufumi Kijima¹⁾, Nobuko Fujita²⁾,

Yasuko Nagasaka²⁾, Koichirou Niwa¹⁾

St. Luke's International Hospital, 1) Department of Cardiology, 2) Department of Anesthesiology

Systems for Clinical practice and Social support in ACHD

Chair: **Daisuke Matsubara** (Jichi Children's Medical Center Tochigi, Department of Pediatrics)

P2-16-1 Monitored anesthesia care for a patient with Eisenmenger's syndrome and trisomy 21.

Mineto Kamata

Saitama Children's Medical Center, Department of Anesthesia

P2-16-2 Current status of perioperative care for adult congenital heart disease patients at our institution

Tatsuya Nagano¹⁾, Naoyuki Taga¹⁾, Koichi Kataoka¹⁾, Yoji Otsuka¹⁾, Hidetaka Iwai¹⁾,

Kouhei Sunoki¹⁾, Mamoru Takeuchi²⁾, Shinya Ugaki³⁾, Ko Yoshizumi³⁾, Masaaki Kawada³⁾

1) Pediatric Anesthesia & Intensive Care Suite, Jichi Children's Medical Center Tochigi,

2) Anesthesiology & Intensive Care, Jichi Medical University,

3) Pediatric and Congenital Cardiovascular Surgery, Jichi Children's Medical Center Tochigi, Jichi Adult Congenital Heart Disease Center, Jichi Medical University

- P2-16-3 Regional Survey of Adult Congenital Heart Disease Care Provided by Adult Cardiologists**
Norihiro Toh, Teiji Akagi, Sho Takahashi, Hiroshi Ito
Okayama University, Department of Cardiovascular Medicine
- P2-16-4 Think of nurses about transition program to adult department for children with congenital heart diseases.**
Hirofumi Takano¹⁾, Chiaki Kitamura²⁾, Noriaki Onizawa¹⁾
1) Nagano Childrens Hospital, Dept of Nursing, 2) Niigata College of Nursing, Faculty of Nursing
- P2-16-5 Patients with congenital heart disease has high acceptance about own condition.**
Aya Kajihama, Sorachi Shimada, Kouichi Nakau
Asahikawa Medical University, Dept of Pediatrics
- P2-16-6 Self understanding of adult congenital heart disease and daily life at transition to adult service: Investigation with interview sheet.**
Keiko Sugibuchi¹⁾, Satoko Sato¹⁾, Aoi Igarashi¹⁾, Chiharu Nakajima¹⁾, Terunobu Fukuda²⁾, Yasufumi Kijima²⁾, Yumi Shiina²⁾, Koichiro Niwa²⁾
St Luke's International Hospital, 1) Dept of Nursing, 2) Dept of Cardiology
- P2-16-7 Report of perioperative cardiac rehabilitation in 4 patients after TCPC conversion**
Yuhei Utena¹⁾, Nobuyuki Kodama¹⁾, Akinori Inazaki¹⁾, Shigeru Tateno²⁾, Yoshitomo Okajima²⁾, Tomohiko Toyoda²⁾, Humie Takechi²⁾, Hiroko Morishima²⁾, Yoshiko Mizuno²⁾, Masashi Kabasawa²⁾, Kouzou Matsuo²⁾
Chiba Cardiovascular Center, 1) Dept of Rehabilitation, 2) Dept of ACHD

Topics in general ACHD 2

Chair: **Kana Kubota** (Jichi Medical University, Jichi Adult Congenital Heart Center, Division of Cardiovascular Medicine)

- P2-17-1 Clinical features of Down syndrome with Adult Congenital Heart Disease.**
Yuichiro Hirata, Hazumu Nagata, Ryohei Matsuoka, Yoshimi Eguchi, Shunsuke Fujii, Mamoru Muraoka, Shoji Fukuoka, Kiyoshi Uike, Yusaku Nagatomo, Shoichi Ohga
Kyushu University Hospital, Department of Pediatrics
- P2-17-2 Relationship between surgical therapy of scoliosis and postoperative complications in adolescent child with baseline disease.**
Kenji Miyamoto, Junpei Ishii, Shin-ichiro Ariga, Hidemitsu Kurosawa, Shigemi Yoshihara
Department of Pediatrics, Dokkyo Medical University
- P2-17-3 Two cases of tricuspid valve replacement for congenitally corrected transposition of the great arteries with impaired right ventricular function**
Kohsaku Goto¹⁾, Terunobu Fukuda¹⁾, Yasufumi Kijima¹⁾, Yumi Shiina¹⁾, Kouhei Abe²⁾, Hiroyasu Misumi²⁾, Koichiro Niwa¹⁾
St Luke's Hospital, 1) Dept of Cardiology, 2) Dept of Cardiovascular Surgery
- P2-17-4 Effectiveness of hemodialysis for refractory heart failure in Adult Patients with Congenital Heart Disease.**
Tomomi Nishimura, Kei Inai, Seiji Asagai, Hiroki Mori, Gen Harada, Eriko Shimada, Tokuko Shinohara, Horifumi Tomimatsu, Hisashi Sugiyama
Department of Pediatric Cardiology, Tokyo Women's Medical University Hospital

P2-17-5 A case of repaired tetralogy of Fallot with severe calcification of the valved extracardiac conduit

Yuuta Murai¹⁾, Toshimi Koitabashi¹⁾, Mayu Yazaki¹⁾, Teppei Fujita¹⁾, Yuichiro Iida¹⁾, Takeru Nabeta¹⁾, Keiko Kooriyama¹⁾, Emi Maekawa¹⁾, Takashi Naruke¹⁾, Rihito Horikoshi²⁾, Takamichi Inoue²⁾, Miyuki Shibata²⁾, Kagami Miyaji²⁾, Junya Ako¹⁾

1) Department of Cardiovascular Medicine, Kitasato University School of Medicine,

2) Department of Cardiovascular Surgery, Kitasato University School of Medicine

