

Program

Sunday, April 12

18:00 - 21:00 Registration

19:00 - 21:00 Welcome Reception

Monday, April 13

08:30 - 08:45 **Opening Remarks**

Ryo Nishikawa (Japan)

08:45 - 10:15 **Session 1 Epidemiology**

Moderator: *Matthew Ming Kong Shing (Hong Kong SAR, China)*

O-01 **Epidemiology of Intracranial Germ Cell Tumours**

Eric Bouffet (Canada)

O-02 **CNS Germ Cell Tumors: an Indian Perspective**

Aanchal Kakkar (India)

O-03 **Population-based Incidence of Intracranial Germ Cell Tumor among Children in Taiwan, 1996–2010**

Yen-Lin Liu (Taiwan)

O-04 **Correlation of the Clinical Significance of Population-based, Multicenter-based and Single Hospital Series Survey of Intracranial Germ Cell Tumors**

Tai-Tong Wong (Taiwan)

O-05 **Population Based Epidemiologic Data of GCTs in Korea**

Seung Hoon Lee (Korea)

O-06 **Incidence of Primary Central Nervous System Germ Cell Tumors in Kumamoto Prefecture in Southern Part of Japan: a 25 Years Study**

Keishi Makino (Japan)

10:20 - 11:35 **Session 2 Neurology/Long-term Sequelae/Proton Therapy**

Moderators: *Ute Bartels (Canada), Hidefumi Aoyama (Japan)*

O-07 **Long-term Outcome of Germinoma, a Single Institution Report**

Masanori Yoshida (Japan)

O-08 **Long-term Clinical Outcomes of Germ Cell Tumors**

Kenichiro Matsuda (Japan)

O-09 **Factors Affecting Functional Outcomes in Long-term Survivors of Intracranial Germinomas**

Shinya Jinguji (Japan)

O-10 **Neuropsychological and QoL Late Effects from the Treatment of CNS Germ Cell Tumors: the Children's Oncology Group Experience**

Stephen A. Sands (USA)

O-11 **Projected Proton Therapy Cognitive Sparing Benefit for CNS Germ Cell Tumor Patients Adapting a Predictive Model from Intensity Modulated X-ray Therapy**

Jonathan B. Farr (USA)

- O-12 **Protontherapy for Ventricular Irradiation in Localised Intra-Cranial Germinoma: The French Experience**
Claire Alapetite (France)

11:40 - 12:20 **Session 3 Diagnostic Radiology/PET**

Moderator: *Naoki Kagawa (Japan)*

- O-13 **Hormonal Environment and MR Imaging in Neurohypophyseal Geminomas**
Koji Adachi (Japan)
- O-14 **Value of Advanced MR Imaging for the Diagnosis of Germinoma**
Fumiyuki Yamasaki (Japan)
- O-15 **18F-choline PET/MRI as a Predictive Value of Response to Treatment in Children with Intracranial Germ Cell Tumours of the Pineal Region**
Elwira Szychot (UK)
- O-16 **Usefulness of ¹¹C-methionine Positron Emission Tomography for Detection of Germinoma in Central Nervous System**
Keisuke Miyake (Japan)

12:30 - 13:30 **Lunch Time Seminar 1 sponsored by MSD**

Moderator: *Koichi Ichimura (Japan)*

Sounds the Same but Different-The CIMP in Different Tumor Types
Toshikazu Ushijima (Japan)

13:40 - 15:20 **Session 4 Basic Science**

Moderators: *Torsten Pietsch (Germany), Koji Yoshimoto (Japan)*

- O-17 **β Subunit of Human Chorionic Gonadotropin is Expressed in All Histopathological Subtypes of Intracranial Germ Cell Tumors**
Hirokazu Takami (Japan)
- O-18 **ARF-BP1 Expression in Primary Intracranial Germ Cell Tumors**
Kazuo Washiyama (Japan)
- O-19 **Activation of the ATM/Chk2 Pathway in Intracranial Germinomas**
Koji Yoshimoto (Japan)
- O-20 **Infiltrating Immune Cells of Intracranial Germinoma and Their Prognostic Significance**
Hirokazu Takami (Japan)
- O-21 **MicroRNA 372-373 in Cerebrospinal Fluid is Potential Tumor-derived Biomarkers for CNS Germ Cell Tumors**
Keita Terashima (Japan)
- O-22 **Integrative Epigenome Analysis Discloses Methylation-regulated miRs Involved in Therapy Resistance in GCTs**
Tsung-Han Hsieh (Taiwan)
- O-23 **CNS Germinomas are Characterized by Global Demethylation, Chromosomal Instability and Mutational Activation of the Kit-, Ras/Raf/Erk- and Akt-pathways**
Torsten Pietsch (Germany)
- O-24 **Genome-wide Methylation Profiles in Primary Intracranial Germ Cell Tumors Suggest Primordial Germ Cell Origin of Germinoma**
Shintaro Fukushima (Japan)

O-25 **Multiply Recurrent Yolk-sac Predominant Suprasellar Mixed Malignant Germ Cell Tumor Treated with Everolimus: A Case Report**
Nathan J. Robison (USA)

15:30 - 16:30 **Special Seminar sponsored by Chugai**

Moderator: *Keita Terashima (Japan)*

SS-1 **Development of Personalized Treatment for Patients with Intracranial Germ Cell Tumors**
Ching C. Lau (USA)

SS-2 **Molecular Pathogenesis of Intracranial Germ Cell Tumors**
Koichi Ichimura (Japan)

08:30 - 10:15 **Session 5 Clinical Topics**

Moderators: *Jason Fangusaro (USA), Takamitsu Fujimaki (Japan)*

- O-26 **Hearing Loss, Tinnitus and Pineal Germinoma: Parinaud's Dorsal Midbrain Syndrome Revisited**
Diana Osorio (USA)
- O-27 **An Update on the Clinical Diagnostic Value of β -hCG and α FP for Intracranial Germ Cell Tumors**
Mingming Hu (China)
- O-28 **Germinomas can be Diagnosed without Histological Verification**
Ryuta Saito (Japan)
- O-29 **High Diagnostic Value in Placental Alkaline Phosphatase Levels (PLAP) : A New Marker for Intracranial Germ Cell Tumors**
Yasuo Aihara (Japan)
- O-30 **Treatment Outcomes for Basal Ganglia Germinomas: Experience at a Single Institute**
Yi-Wei Chen (Taiwan)
- O-31 **Non-germinomatous Germ Cell Tumors with Synchronous Pineal and Suprasellar Involvement**
Hung Ngoc Tran (USA)
- O-32 **Bifocal Germinomas Treated with whole Ventricular Field of Radiation : To Boost or not to Boost?**
Lucie Lafay-Cousin (Canada) ★Presenter replacing the first author
- O-33 **Evaluation of Surgery in Bifocal Germ Cell Tumors Treated according to the SIOP CNS GCT 96 Protocol**
Thomas Czech (Austria)
- O-34 **Initial Presentation and Outcome of Bifocal Germinoma Treated according to SIOP CNS GCT 96**
Gabriele Calaminus (Germany)
- O-35 **CSF Staging for the Germinoma: Does It Matter?**
Lucie Lafay-Cousin (Canada)

10:20 - 12:25 **Session 6 Treatment**

sponsored by The Japan Pediatric Brain Tumor Research Fund

Moderators: *Eric Bouffet (Canada), Seung Hoon Lee (Korea)*

- O-36 **A Multi-center Clinical Trial of CNS Germ Cell Tumours in Hong Kong**
Matthew Ming Kong Shing (Hong Kong SAR, China)
- O-37 **The 1st Interim Report of the Multi-institutional, Prospective Phase 2 Study of Radio-chemotherapy for Primary Intracranial Germ Cell Tumors in Japan**
Masao Matsutani (Japan)
- O-38 **The Children's Oncology Group Current Approach in Treating Children with Newly Diagnosed Central Nervous System Localized Germinoma**
Soumen Khatua (USA)

- O-39 **Primary Chemotherapy and 2nd Look Surgery for CNS NGGCT -single Institution Experience**
Chikako Kiyotani (Japan)
- O-40 **Evaluation of Neo-adjuvant Therapy (NAT) in Patients with Non-germinomatous Malignant Germ Cell Tumors**
Hideo Nakamura (Japan)
- O-41 **The Children's Oncology Group Current Approach to Treat Children with Newly Diagnosed Central Nervous System Non-germinomatous Germ Cell Tumors**
Girish Dhall (USA)
- O-42 **Relapse and Outcome Patterns of CNS 'SECRETING' Germ Cell Tumors Treated without Irradiation: Findings from the Third International CNS GCT Study**
Jonathan Lester Finlay (USA)
- O-43 **The Relapse Pattern and Outcome of Recurrent Central Nervous System Germ Cell Tumours after Modern Multimodal Treatment**
Takaaki Yanagisawa (Japan)
- O-44 **Experience with a Metronomic Antiangiogenic Combination Therapy in Patients with Recurrent CNS Non-germinomatous Germ Cell Tumors**
Irene Slavic (Austria)
- O-45 **Preliminary Results of the Prospective Feasibility CNS GCT-4 Consortium Trial in Patients with Refractory/Recurrent CNS Germ Cell Tumors (GCT)**
Jonathan Lester Finlay (USA)
- O-46 **High Dose Chemotherapy with AutoPBSCT for Intracranial Germ Cell Tumor Relapsing in Young Adulthood**
Yoshiki Arakawa (Japan)
- O-47 **Chemotherapy-Only Strategy for Newly-Diagnosed CNS Germ Cell Tumors in Low- to Middle-Income Countries (L-MIC) : A Proposal**
Jonathan Lester Finlay (USA)

12:30 - 13:30 **Lunch Time Seminar 2 sponsored by Novocure Ltd.**

Moderator: *Ryo Nishikawa (Japan)*

Tumor Treating Fields (TTFields) -a New Treatment Modality Against Solid Tumors

Moshe Giladi (Israel)

14:00 Excursion

18:30 - 21:00 Banquet

Wednesday, April 15

- 09:00 - 11:30 **Consensus Statement Symposium sponsored by Eisai**
Moderators: *James Nicholson (UK), Ryo Nishikawa (Japan)*
Symposiasts: *James Nicholson (UK), Matthew Jonathan Murray (UK),
Ute Bartels (Canada), Jason Fangusaro (USA), Thomas Czech (Austria),
Hidefumi Aoyama (Japan), Masao Matsutani (Japan),
Ryo Nishikawa (Japan)*
- O-48 **International Delphi Consensus for the Management of Intracranial Germ Cell Tumours**
Matthew Jonathan Murray (UK)

- 11:30 **Closing Remarks**
Ryo Nishikawa (Japan)
Jonathan Lester Finlay (USA)

Posters

- P-01 **Long-term Outcomes and Late Complication for Central Nervous System Germinomas**
Naoyuki Ohe (Japan)
- P-02 **Epidemiological Analysis of Paediatric Intracranial Germ Cell Tumour in Singapore**
Nwe Mya Soe (Singapore)
- P-03 **Improvement of Long Term Results with Adjuvant Chemoradiation Therapy for Central Nervous System Germinoma**
Shingo Takano (Japan)
- P-04 **Treatment of Primary Intracranial Germ Cell Tumors: Single Institution Experience of 74 Cases without Histologically Confirmed**
Chengcheng Guo (China)
- P-05 **The Treatment Outcome of Intracranial Germinoma in a Single Institution**
Etsuko Hattori (Japan)
- P-06 **Long-term Follow-up of Patients Treated for Intracranial Germinoma and Optimal Salvage Treatment Strategy for Recurrence**
Toshiyuki Amano (Japan)
- P-07 **Clinical Characteristics of Non-pineal Germ Cell Tumors**
Hiroaki Sakamoto (Japan)
- P-08 **Retrospective Analysis of Local Radiation with Chemotherapy for Germ Cell Tumors: Pre-Japan Pediatric Brain Tumor Consortium Registry**
Kai Yamasaki (Japan)
- P-09 **Institutional Experience of Treatment Consideration for Primary Intracranial Germ Cell Tumors**
Zhong-Ping Cheng (China)
- P-10 **Clinical Profiles of 132 Cases of Intracranial Germ Cell Tumors of the iGCT Consortium**
Hirokazu Takami (Japan)

- P-11 **Clinical Course Before Diagnosis in Children with Neurohypophysial Germinoma**
Junko Ito (Japan)
- P-12 **Second-look Surgery for Intracranial Germ Cell Tumors**
Hideki Ogiwara (Japan)
- P-13 **Strategy and Clinical Results for Intracranial Non-germinomatous Germ Cell Tumors Induced Intensive Chemotherapy**
Teruyoshi Kageji (Japan)
- P-14 **Non-germinomatous Germ Cell Tumors (NGGCT) of the Central Nervous System in Children: a Single Institutional Experience**
Hung Ngoc Tran (USA)
- P-15 **Intensive Chemotherapy Followed by Reduced Dose Radiation for Intracranial Non-germinomatous Germ Cell Tumors**
Hiroyoshi Watanabe (Japan)
- P-16 **Neuroendoscopic Management for CNS Germ Cell Tumors**
Kazuhiko Kurozumi (Japan)
- P-17 **Neuro-Surgical Management of CNS Germ Cell Tumour; the Hong Kong Experience**
Matthew Ming Kong Shing (Hong Kong SAR, China) ★Presenter replacing the first author
- P-18 **Differences of Histological and Clinical Characteristics in the Teratoma during the Treatment for Intracranial Germ Cell Tumors**
Masayuki Kanamori (Japan)
- P-19 **Are Germinomatous Components Hidden in “Non-germinomatous” Teratomas?**
Takamitsu Fujimaki (Japan)
- P-20 **Hypointensity Changes in T2*-weighted Image (T2*WI) and Susceptibility-weighted Image (SWI) of a Case with Cerebellar and Brain Stem Germinoma**
Takashi Sasayama (Japan)
- P-21 **Relationship between Diagnostic Radiation Dose and Volumetric Changes of Primary Intracranial Germinomas before Chemoradiotherapy**
Naoki Kagawa (Japan)
- P-22 **Pitfall of Serum hCG- β Test as a Tumor Marker in Patients with Suprasellar Germ Cell Tumors**
Seiichiro Eguchi (Japan)
- P-23 **Intracranial Germinomas in a Father and His Son**
Kampeji Shimizu (Japan)
- P-24 **Successful Total Excision of an AFP Secreting Pineal Immature Teratoma Following Radiotherapy: a Case Report**
Kazutoshi Yokoyama (Japan)
- P-25 **A Case of Recurrent Germinoma in the Optic Nerve with Turner Syndrome**
Nobuyuki Fukui (Japan)
- P-26 **Mixed Germ Cell Tumor with Various Histopathological Features at Relapse**
Tomoko Waragai (Japan)
- P-27 **Spinal Mixed Germ Cell Tumor Successfully Treated with Surgery, Radiotherapy, and Cisplatin-based Chemotherapy: A Case Report**
Shota Tanaka (Japan)
- P-28 **Radiation Induced Glioblastomas in Patients Treated for Germ Cell Tumors**
Takahiro Yamamoto (Japan)

- P-29 **Intracranial Germ Cell Tumors in a Set of Dizygotic Male Twins**
Taishi Nakamura (Japan)
- P-30 **Two Case Reports of Intracranial Germinoma at Unusual Locations: a Case of Midbrain and of Lateral Ventricle**
Hideaki Nagashima (Japan)
- P-31 **Yolk Sac Tumor of the Cerebellar Hemisphere: Case Report**
Masahiro Nonaka (Japan)
- P-32 **Malignant Transformation of Pure Germinomas: Two Cases Report**
Naoki Shinojima (Japan)
- P-33 **Recurrent Germinomas with Progressive Malignant Transformation: Two Case Reports**
Junichi Yoshimura (Japan)
- P-34 **A Rapidly Expanding Immature Teratoma Originating from a Neurohypophyseal Germinoma**
Kazuhiro Tanaka (Japan)