5th Japan-Taiwan Radiation Oncology Symposium
2017.5.20 (Sat)

PROGRAM

8:45～9:00  Opening Remark

Yasumasa Nishimura
President of the 5th Japan-Taiwan Radiation Oncology Symposium

Clifford Chao
President of TASTRO

Katsuyuki Karasawa
Founder of Japan-Taiwan Radiation Oncology Symposium

9:00～9:15  Keynote Speech

Moderator: Clifford Chao

Naoyuki Shigematsu  President of JASTRO
Keio University, School of Medicine, Department of Radiology
Future Development of JASTRO
9:20～09:56  Session1:
Gynecology and Genitourinary System

Moderator: Takashi Mizowaki & Meng-hao Wu

G1  Meng-Hao Wu
Department of Radiation Oncology, MacKay Memorial Hospital, Taipei, Taiwan
Prophylactic lower para-aortic irradiation mitigates the para-aortic recurrence in locally advanced cervical cancer

G2  Hsin-Lin Chen
Department of Radiation Oncology, Chung Shan Medical University Hospital, Taichung, Taiwan
Quantitative Measures of Visceral and Subcutaneous Adiposity in Predicting Outcomes of Stage I～III Cervical Cancer

G3  Shang-Wen Chen
Department of Radiation Oncology, China Medical University Hospital, Taichung, Taiwan
Textural features of cervical cancers on 18F fluorodeoxyglucose positron emission tomography computed tomography associate with survival and local relapse in patients treated with definitive chemo radiotherapy
G4  Takashi Mizowaki  
*Department of Radiation Oncology and Image-applied Therapy, Kyoto University*

Is long-term adjuvant hormonal therapy indispensable for Asian patients with high-risk prostate cancer treated with high-dose intensity modulated radiation therapy?

9:56~10:10  Coffee Break

10:10~11:05  Session 2:  
*Lung and Breast*

Moderator: Yuta Shibamoto & Wu, Ching-Jung

G5  Koichiro Nakajima  
*Department of Radiation Oncology, Nagoya Proton Therapy Center, Nagoya City West Medical Center, Nagoya*

Clinical Experiences with Image-guided Proton Therapy (IGPT) for Stage I Non-small Cell Lung Cancer (NSCLC)

G6  Helen Chen  
*Departments of Radiation Oncology, National Cheng Kung University Hospital*

Relationship and Prognostic Values of Glucose Metabolism Markers on Dual-Phase FDG PET in Non-Small-Cell Lung Cancer
G7  Takafumi Komiyama  
*University of Yamanashi*  
The results of dose escalated stereotactic body radiation therapy for stage IA non-small cell lung cancer

G8  Chin Kuo  
*Departments of Radiation Oncology, National Cheng Kung University Hospital*  
During and After Radiotherapy Volumetric Metabolic Parameter changes on FDG PET/CT in Stage III Non-Small Cell Lung Cancer

G9  Kayoko Ohnishi  
*Department of Radiation Oncology, University of Tsukuba Hospital*  
High-dose (74 GyE) Proton Beam Therapy with Concurrent Chemotherapy for Stage III Non-small Cell Lung Cancer

G10  Jie Lee  
*Department of Radiation Oncology, MacKay Memorial Hospital, Taipei, Taiwan*  
Delineation for the Left Anterior Descending Coronary Artery Region in Left Breast Cancer Radiotherapy
11:05~11:50  Session3:  
Liver

Moderator: Hideyuki Sakurai & Helen H.W. Chen

G11  Shingo Hashimoto  
Department of Radiation Oncology, Nagoya Proton Therapy Center
Clinical outcome of Proton Beam Therapy for 
Hepatocellular Carcinoma with Portal Vein or Inferior 
Vena Cava Tumor Thrombosis

G12  Yuta Sekino  
Tsukuba University
Proton beam therapy for previously untreated solitary 
hepatocellular carcinoma of 5cm or less

G13  Hsin-Lun Lee  
Department of Radiation Oncology, Taipei Medical University 
Hospital, Taipei Medical University
A Multicenter Retrospective Analysis for Patients with 
Advanced Hepatocellular Carcinoma Received 
Stereotactic Ablative Radiotherapy in Taiwan

G14  Ming-Yueh Liu  
Department of Radiation Oncology, Tri-Service General Hospital,  
National Defense Medical Center, Taiwan
Comparison between Child-Turcotte-Pugh and albumin-
bilirubin scores in assessing the prognosis of 
hepatocellular carcinoma after stereotactic ablative 
radiotherapy
G15 Yusuke Iizuka
*Kyoto University*
Clinical result of dynamic tumor-tracking stereotactic
body radiotherapy with real-time monitoring for liver
tumors using a gimbal mounted linac

12:05~12:45 Luncheon Seminar

**Moderator:** Yasumasa Nishimura

Feng-Ming Hsu
*Department of Oncology, National Taiwan University Hospital*
Stereotactic Ablative Radiotherapy for Oligometastatic or
Oligopressive Disease with TrueBeam

13:00~13:15 Presidential Lecture

**Moderator:** Masahiro Hiraoka

Yasumasa Nishimura
*Department of Radiation Oncology, Kindai University Faculty of Medicine*
No pain, No gain
13:15~14:45 Symposium

Moderator: Hiroshi Onishi & Ji-Hong Hong

S1 Katsuyuki Karasawa
Dept. of Radiology, Tokyo Metro. Cancer and Infectious diseases Center Komagome Hospital
Pain and gain of high precision radiation therapy
Intensity-modulated radiation therapy

S2 Pei-Wei Shueng
Far Eastern Memorial Hospital
Arc-based IMRT of head and neck cancer in Taiwan

S3 Hiroshi Onishi
Department of Radiology; University of Yamanashi
Pain and gain of stereotactic body radiation therapy (SBRT)

S4 Hsing Lung Chao
Tri-Service General Hospital
Experience of Stereotactic Ablative Radiotherapy (SABR) for HCC Patients in Tri-Service General Hospital

S5 Hiroki Shirato
Department of Radiation Medicine, Hokkaido University Faculty of Medicine
Painful years for particle beam therapists resulted in a little hope: Japanese experience
S6 Ji-Hong Hong  
*Chang Gung Memorial Hospital at Linkou*
Proton therapy in cancer treatment: initial experiences from Chang Gung Memorial Hospital

14:45~15:35 Coffee Break and Poster Session

**Poster 1**  
**Esophagus, Lung, Breast**

**Moderator: Toru Shibata**

**P1** Wing-Keen Yap  
*Chang Gung Memorial Hospital-Linkou Center*
Predictive Value of Nodal SUVmax of Pretreatment FDG-PET Imaging in Patients with Esophageal Cancer

**P2** Makoto Ito  
*Aichi Cancer Center Hospital*
Examination of the planning technique using Helical tomotherapy aiming at lung dose reduction for cervical esophageal carcinoma

**P3** Kuan-Heng Lin  
*Department of Biomedical Imaging and Radiological Sciences, National Yang-Ming University, Taipei, Taiwan*
Semi-Automatic Iterative Method to Optimize the Complete Block in Helical Tomotherapy for Esophageal Cancer: A Phantom Study
P4  Takamasa Mitsuyoshi  
Department of Radiation Oncology and Image-applied Therapy, Kyoto University Graduate School of Medicine  
Clinical outcome of dynamic tumor-tracking stereotactic body radiotherapy for early stage lung cancer and oligometastatic lung tumors using a gimbal-mounted linear accelerator

P5  Shigeo Takahashi  
Department of Radiation Oncology, Kagawa University Hospital  
Dosimetric comparison between anisotropic analytical algorithm and Acuros XB in stereotactic body radiotherapy for lung tumors

P6  Haruka Uezono  
Kobe Minimally invasive Cancer Center  
Salvage Re-Irradiation for Locally Recurrent Lung Tumors with Stereotactic Body Radiation Therapy: Feasibility and Prognostic Factors

P7  Yueh-Chun Lee  
Department of Radiation Oncology, Chung Shan Medical University Hospital, Taichung, Taiwan  
The involvement of tribbles homolog 3 in radioresistance of breast cancer cells

P8  Sawa Kono  
Tokyo Women’s Medical University, Tokyo, Japan  
A study on safety and efficacy of hypofractionated radiotherapy for conserving breast
Poster 2  Liver, Gynecology and Genitourinary System, Physics

Moderator: Minoru Suzuki

P9  Jen-Fu Yang
Department of Radiation Oncology, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan.
Comparison of Stereotactic Ablative Radiotherapy with Conventionally-fractionated Radiotherapy for Hepatocellular Carcinoma with Portal Vein Tumor Thrombosis

P10  Hiroshi Doi
Department of Radiation Oncology, Meiwa Cancer Clinic
Clinical implications of a novel iron-containing fiducial marker in radiotherapy for liver tumors: A report of initial experiences

P11  Yu-Cheng Kuo
Department of Radiation Oncology, Show Chwan Memorial Hospital
In vitro assessment of inhibitory effect of isosteviol derivative on radiation-induced hepatitis B virus reactivation in liver cancer cells

P12  Masaki Matsuda
Department of Radiology, University of Yamanashi
Stereotactic body radiation therapy using Cyberknife for patients with hepatocellular carcinoma
P13  Chi-Shuo Lin  
*Taipei Veterans General Hospital*  
Preliminary Outcome and Toxicity of Definitive Radiation Therapy in Clinically Node-positive Prostate Cancer

P14  Kenji Yoshida  
*Division of Radiation oncology, Kobe University Graduate School of Medicine*  
Comparison of dosimetric parameters in the treatment plannings of magnetic resonance imaging based intracavitary image guided adaptive brachytherapy with and without optimization

P15  Yu-Mei Kang  
*Division of Radiation Oncology, Department of Oncology, Taipei Veterans General Hospital*  
Dose radiotherapy increase the risk of pelvic fracture in rectal cancer patients?

P16  Kota Abe  
*Tohoku University Graduate School of Medicine*  
Development of novel anthropomorphic head and neck phantom using 3D printer for IMRT patient specific quality assurance
15:35〜16:30  Session4:
Head and Neck, CNS

Moderator: Takeshi Kodaira & Sang-Hue Yen

G16  Chiyoko Makita
Department of Radiation Oncology, Aichi Cancer Center Hospital
Comparison of clinical outcomes of different radiation strategies in postoperative radiotherapy for patients with head and neck squamous cell carcinoma: a propensity-score matched analysis

G17  Kazuki Ishikawa
Department of Radiation Oncology, Kindai University Faculty of Medicine
Anatomical and Dosimetric Changes during IMRT for Oropharyngeal Cancer (OPC) detected by weekly Cone-beam CT (CBCT) with deformable image registration (DIR)

G18  Wan-Chin Yang
Division of Radiology Oncology, Department of Oncology, Taipei Veterans General Hospital
Treatment outcomes of radiation therapy for pediatric central nervous system atypical teratoid/rhabdoid tumor

G19  Minoru Suzuki
Research Reactor Institute, Kyoto University Hospital, Taipei Medical University
Treatment planning study on boron neutron capture therapy for multiple brain metastases
G20  Hsiang-Kuang Tony Liang  
*Institute of Biomedical Engineering, National Taiwan University*  
Adverse Prognosis and Distinct Progression Patterns  
After Concurrent Chemoradiotherapy for Glioblastoma  
With Synchronous Subventricular Zone and Corpus Callosum Invasion

G21  Yusuke Demizu  
*Department of Radiology, Hyogo Ion Beam Medical Center*  
Proton beam therapy for bone sarcomas of the skull base and spine: a retrospective nationwide multicenter study in Japan

16:30～17:25  Session 5:  
Physics and Others

Moderator: Sasaki Ryouhei & Yu-Ming Liu

G22  Ryohei Sasaki  
*Division of Radiation Oncology, Kobe University Graduate School of Medicine*  
Novel method for radioprotection by functional food: a preclinical study

G23  Huei-Fang Yang  
*Department of Nursing, Chung Shan Medical University Hospital, Taichung, Taiwan*  
Demographic analysis of unscheduled delayed radiation therapy
G24  Yoshiro Ieko  
*Tohoku University Graduate School of Medicine*  
Impact of novel functional image-based treatment planning for proton therapy

G25  Chen-Xiong Hsu  
*Department of Radiation Oncology, Far Eastern Memorial Hospital, New Taipei City, Taiwan*  
Helical Tomotherapy Using Novel Fan-Shaped Complete Block for Esophageal Cancer Patients Provides Remarkable Reductions of Radiation Dose to Lungs and Heart

G26  Taro Murai  
*Nagoya City University Graduate School of Medical Sciences, Department of Radiology*  
Lung density changes after proton therapy for lung tumors: Can photon dose constraints be applied to proton therapy?

G27  Kazushi Kishi  
*Dept. Radiation Oncology, Sapporo High Functioning Radiation Therapy Center, Hokkaido Ono Memorial Hosp.*  
Interventional approach in high precision radiation therapy

17:25～17:40  Closing Remarks and Photograph

Kiyoshi Nakamatsu  
*Conference Secretariat*  
Next president from Taiwan  
Next-next president from Japan