

Program

Session

August 23 (Fri) 9:00-11:00 **Session 1 Lung Cancer**

[Chair] Hidetake Yabuuchi (Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University)

Koichi Takayama (Department of Pulmonary Medicine, Kyoto Prefectural University of Medicine)

Jin Mo Goo (Department of Radiology, Seoul National University College of Medicine)

SI-1 New Era of Lung Cancer Treatment

Takashi Kijima (Department of Respiratory Medicine and Hematology, Hyogo Medical University, School of Medicine)

SI-2 Basics and clinical applications of CT-based Radiomics for lung cancer

Motohiko Yamazaki (Department of Radiology and Radiation Oncology, Niigata University Graduate School of Medical and Dental Sciences)

SI-3 AI applications in lung cancer imaging

Jin Mo Goo (Department of Radiology, Seoul National University College of Medicine)

SI-4 MRI for Lung Cancer Imaging

Jürgen Biederer (Diagnostic and interventional Radiology, University Hospital Heidelberg)

SI-5 FDG PET in lung cancer: the role of PET/CT and the potential of PET/MRI

Munenobu Nogami (Department of Radiology, Kobe University Hospital/ Biomedical Imaging Research Center, University of Fukui)

SI-6 Development of multimodal fully automated ensembled model to predict EGFR-mutation in NSCLC

Taichi Miyawaki (Department of Respiratory Medicine, Juntendo University Graduate School of Medicine)

SI-7 Predictive modeling for airway geometry analysis on navigation CT for peripheral pulmonary nodules

Jonghoon Kim (Department of Health Sciences and Technology, SAIHST, Sungkyunkwan University)

August 23 (Fri) 12:40-14:20 **Session 2 COPD/Airway Disease**

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[Chair] Shigeo Muro (Department of Respiratory Medicine, Nara Medical University)

Tsuneo Yamashiro (Department of Radiology, Yokohama City University)

Hans-Ulrich Kauczor (Department Diagnostic and Interventional Radiology, Heidelberg University/ German Center for Lung Research)

S2-1 Quantitative CT

Naoya Tanabe (Department of Respiratory Medicine, Kyoto University)

- S2-2 Quantitative Dual Energy CT for COPD**
Sang Min Lee (Department of Radiology, Ulsan University Asan Medical Center)
- S2-3 Proton MRI for COPD**
Mark Oliver Wielpütz (Department of Diagnostic and Interventional Radiology, Heidelberg University Hospital)
- S2-4 Pulmonary Imaging of Airway Remodeling in Asthma and response to therapy**
Grace Parraga (Robarts Research Institute, Western University)
- S2-5 Reversibility study in healthy, COPD, and asthma subjects with 3D MR spirometry**
Ithar Gharmaoui (Université Paris-Saclay, CEA, CNRS, Inserm, BioMaps)
- S2-6 Data Homogenization with Sequence-to-Sequence GAN Mapping improves Comparability of PREFUL MRI**
Andreas Voskrebenzev (Institute of Diagnostic and Interventional Radiology, Hannover Medical School, Biomedical Research in Endstage and Obstructive Lung Disease (BREATH), Member of the German Center for Lung Research (DZL))

August 23 (Fri) 14:40-16:30 Session 3 Vascular Diseases

- [Chair] Nobuhiro Tanabe (Pulmonary Hypertension Center, Chibaken Saiseikai Narashino Hospital)
Shuji Sakai (Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Woman's Medical University)
Ki Yeol Lee (Department of Radiology, College of Medicine, Korea University)
- S3-1 Current management and molecular basis of pulmonary hypertension due to lung disease**
Seiichiro Sakao (Department of Pulmonary Medicine, IUHW Narita Hospital/Department of Pulmonary Medicine, International University of Health and Welfare (IUHW), School of Medicine)
- S3-2 Dynamic Chest Radiography for vascular diseases**
Yuzo Yamasaki (Department of clinical radiology, Graduate School of Medical Sciences, Kyushu University)
- S3-3 Dual-Energy CT imaging for vascular diseases**
Yoshiyuki Ozawa (Department of Diagnostic Radiology, Fujita Health University School of Medicine)
- S3-4 Advanced MRI methods for the diagnosis of Pulmonary Hypertension**
Mark L. Schiebler (Department of Radiology, University of Wisconsin School of Medicine and Public Health School of Medicine)
- S3-5 Pulmonary function evaluation using non-contrast-enhanced 3D ultrashort echo-time MRI**
Jang-Yeon Park (Department of Biomedical Engineering, Sungkyunkwan University)
- S3-6 the usefulness of Volume Helical Shuttle Scan for whole lung dynamic study in hemoptysis patients**
Toshihiko Sugiura (Department of Respiriology, Graduate School of Medicine, Chiba University, , Department of Respiratory Medicine, Chibaken Saiseikai Narashino Hospital)

August 24 (Sat) 8:00-9:40

Session 4 Interstitial Pneumonia

- [Chair] Takeshi Johkoh (Department of Radiology, Kansai Rosai Hospital)
Takafumi Suda (2nd Division, Department of Internal Medicine, Hamamatsu University School of Medicine)
Pim de Jong (Department of Radiology, UMC Utrecht)
- S4-1 Recent Topics and Perspectives in the Clinical Practice of Interstitial Lung Disease**
Tomohiro Handa (Department of Advanced Medicine for Respiratory Failure, Graduate School of Medicine, Kyoto University)
- S4-2 Quantitative CT evaluation for interstitial lung disease**
Jooae Choe (Department of Radiology, Asan Medical Center, University of Ulsan College of Medicine)
- S4-3 Update on Diagnostic Imaging of Fibrotic Interstitial Lung Diseases**
Ryoko Egashira (Department of Radiology, Faculty of Medicine, Saga University)
- S4-4 Interstitial Pneumonia and PET: Potential and Pitfalls**
Munenobu Nogami (Department of Radiology, Kobe University Hospital/ Biomedical Imaging Research Center, University of Fukui)
- S4-5 Regional lung structure and function associated with 1-year decline in DLCO in IPF**
Hongseok Ko (Kangwon National University Hospital)
- S4-6 Projected lung area on dynamic chest radiography as an index of lung fibrosis**
Takeshi Kubo (Department of Radiology, Tenri Hospital)

August 24 (Sat) 10:00-11:40

Session 5 New Modality

- [Chair] Masashi Takahashi (Department of Radiology, Yujin-Yamazaki hospital)
Jens Vogel-Claussen (Institute of Diagnostic and Interventional Radiology, Hannover Medical School)
Chang Hyun Lee (Department of Radiology, Seoul National University)
- S5-1 Upright Area-Detector CT: Initial Experience and Potentials for Pulmonary Functional Imaging**
Yoshiharu Ohno (Department of Diagnostic Radiology, Fujita Health University School of Medicine)
- S5-2 Comprehensive assessment of pulmonary morphology and function with Photon counting CT**
Hoen-Oh Shin (Institute of Diagnostic and Interventional Radiology, Hannover Medical School)
- S5-3 High-Spatial-Resolution CT with Energy Integrated Detector**
Ho Yun Lee (Department of Radiology, Samsung Medical Center, Sungkyunkwan University School of Medicine)
- S5-4 Low-Field MRI**
Jens Vogel-Claussen (Institute of Diagnostic and Interventional Radiology, Hannover Medical School)

S5-5 Dark-field Radiographs for the Detection of Pneumothoraces

Henriette Bast (Department of Physics - TUM School of Natural Sciences - Technical University of Munich, Munich Institute of Biomedical Engineering - Technical University of Munich, Department of Diagnostic and Interventional Radiology - Klinikum Rechts der Isar - Technical University of Munich)

S5-6 Synchrotron radiation-based CT for Ultra-High Resolution and Multiscale Lung Imaging

Willi L Wagner (Department of Diagnostic and Interventional Radiology, University Hospital Heidelberg, Translational Lung Research Center)

August 24 (Sat) 13:20-14:50 Session 6 Special Session

[Chair] Yasutaka Nakano (Division of Respiratory Medicine, Department of Internal Medicine, Shiga University of Medical Science)
Sadayuki Murayama (Department of Radiology, University of the Ryukyus Hospital)
Yeun-Chung Chang (Department of Radiology, National Taiwan University College of Medicine)

S6-1 Basics of Pulmonary Physiologic Imaging

Eric A. Hoffman (Department of Radiology, University of Iowa Carver College of Medicine)

S6-2 Pulmonary Functional CT

Hans-Ulrich Kauczor (Department Diagnostic and Interventional Radiology, Heidelberg University/German Center for Lung Research)

S6-3 Artificial Intelligence for Pulmonary Functional Imaging

Edwin J.R. van Beek (Edinburgh Imaging QMRI, University of Edinburgh)

August 25 (Sun) 9:10-11:45 Session 7 How to apply AI to lung diseases

[Chair] Shoji Kido (Department of Artificial Intelligence Diagnostic Radiology, Osaka University Graduate School of Medicine)
木戸 尚治 (大阪大学大学院医学系研究科人工知能画像診断学共同研究講座)
Hideaki Haneishi (Center for Frontier Medical Engineering, Chiba University)
羽石 秀昭 (千葉大学フロンティア医工学センター)
Toyohiro Hirai (Department of Respiratory Medicine, Kyoto University)
平井 豊博 (京都大学大学院医学研究科 呼吸器内科学)

S7-1 Fundamentals of Artificial Technology and Its Application to Pulmonary Imaging

Atsushi Teramoto (Faculty of Information Engineering, Meijo University)

AIの基礎と呼吸機能イメージングへの応用

寺本 篤志 (名城大学 情報工学部 情報工学科)

S7-2 Towards routine quantitative lung imaging with artificial intelligence

Joon Beom Seo (Department of Radiology, University of Ulsan College of Medicine, Asan Medical Center)

- S7-3 Current Situation and Future Direction of CAD and AI in Pulmonary Diseases**
Yoshiharu Ohno (Department of Diagnostic Radiology, Fujita Health University School of Medicine)
呼吸器疾患における CAD および AI の現状と将来展望
大野 良治 (藤田医科大学 医学部 放射線診断学・先端画像診断共同研究講座)
- S7-4 Potential and Prospects of Chest Imaging using AI from Respiratory Physician's Perspective**
Toyohiro Hirai (Department of Respiratory Medicine, Kyoto University)
呼吸器内科医から見た AI による胸部画像診断の可能性と展望
平井 豊博 (京都大学大学院医学研究科 呼吸器内科学)
- S7-5 Quantitative CT Evaluation of Diffuse Lung Disease Using Artificial Intelligence**
Tae Iwasawa (Department of Radiology, Kanagawa Cardiovascular and Respiratory Center)
AI によるびまん性肺疾患の CT 定量評価
岩澤 多恵 (神奈川県立循環器呼吸器病センター放射線科)
- S7-6 Implementation and Evaluation of a DLAD Chest X-ray Analysis System in University Health Screenings**
Yunosuke Kumazawa (Department Of Radiology, Fujita Health University School Of Medicine)
大学生検診における DLAD 胸部 X 線解析システムの評価
熊澤 佑之介 (藤田医科大学医学部放射線医学講座)
- S7-7 Generation of short-term follow-up chest CT images using a latent diffusion model in COVID-19**
Naoko Kawata (Department of Respirology, Graduate School of Medicine, Chiba University ,
Graduate School of Science and Engineering, Chiba University)
COVID-19 における拡散モデルを用いた短期経過予測画像の作成
川田 奈緒子 (千葉大学大学院医学研究院 呼吸器内科学 / 千葉大学大学院融合理工学府 基幹工学専攻
医工学コース)

Young Investigator Award

August 24 (Sat) 15:40-16:40

- [Chair] Satoshi Konno (Department of Respiratory Medicine, Faculty of Medicine, Hokkaido University)
Joon B. Seo (Department of Radiology, University of Ulsan College of Medicine, Asan Medical Center)
David Lewis Levin (Department of Radiology, Stanford University School of Medicine)
- YIA-1 Fibrotic interstitial lung abnormalities in smokers are an independent risk factor for mortality**
Esther Pompe (University Medical Center Utrecht)

- YIA-2 Predictive Value of Oxygen-enhanced MRI T1 Mapping after Lung Transplantation**
Milan Speth (Institute for Diagnostic and Interventional Radiology, Hannover Medical School, Biomedical Research in Endstage and Obstructive Lung Disease (BREATH), German Center for Lung Research)
- YIA-3 High volume ratio of airway to lung blood vessel on exacerbations in COPD**
Nobuyasu Wakazono (Department of Respiratory Medicine, Faculty of Medicine, Hokkaido University)
- YIA-4 Small pulmonary vein volume is associated with a lower saturation and more supplemental oxygen use**
Natascha Kwee (University Medical Center Utrecht - Department of radiology)
- YIA-5 High-resolution 4D pulmonary ventilation MRI correlates strongly to Xe MRI**
Filip Klimes (Institute of Diagnostic and Interventional Radiology, Hannover Medical School, Biomedical Research in Endstage and Obstructive Lung Disease Hannover (BREATH), German Center for Lung Research (DZL))
- YIA-6 Volume doubling time of solid components in lung cancer: distinct implications vs. whole tumor**
Yura Ahn (Asan Medical Center)

Poster (English)

August 23 (Fri) 17:00-17:50 COPD-1

- [Chair] David Lewis Levin (Department of Radiology, Stanford University School of Medicine)
Hoehn-Oh Shin (Institute of Diagnostic and Interventional Radiology, Hannover Medical School)
- PE1-1 Hybrid Evaluation with MRI Series of Multi-direction Diaphragm Motion and CT Images on COPD Patients**
Xingyu Zhou (Graduate School of Science and Engineering, Chiba University, Chiba, Japan)
- PE1-2 Comparison Of Ventilation Imaging Threshold Techniques For Determining Non-Ventilated Volume**
Edward Moon Kyu Jeagal (Airway Physiology and Imaging Group, The Woolcock Institute of Medical Research, Macquarie University and The University of Sydney, Faculty of Life Sciences, University of Technology Sydney)
- PE1-3 Estimating Small Airways Disease from a Single Inspiratory Chest Computed Tomography Scan**
Joseph M Reinhardt (The University of Iowa)
- PE1-4 Determination of sound source of wheezes in COPD based on 4D-CT images and CFD simulation study**
Hiroko Kitaoka (Dept. of Biomedical Engineering, Tokyo University of Agriculture and Technology)
- PE1-5 4D-CT images have solved the mystery of hilar hot spots in COPD on aerosol inhalation scintigraphy**
Hiroko Kitaoka (Dept. of Biomedical Engineering, Tokyo University of Agriculture and Technology)

August 23 (Fri) 17:00-17:50 **COPD-2/Airway Diseases**

[Chair] Sang Min Lee (Department of Radiology, Ulsan University Asan Medical Center)
Noboru Niki (Tokushima University)

PE2-1 AI-based quantification of small pulmonary artery and vein volume on CT and mortality in smokers

Natascha Kwee (University Medical Center Utrecht - Department of Radiology)

PE2-2 Quantitative CT Analysis based on Smoking and COPD in Normal Looking Chest CT

Gong Yong Jin (Chonbuk National University Medical School and Hospital)

PE2-3 NOVAA-CT: a novel artificial intelligence-driven volumetric CT outcome score for airway diseases

Gael Dournes (University Hospital of Bordeaux)

PE2-4 Respiratory function evaluation using CT airway analysis in thoracic scoliosis surgery

Nanae Tsuchiya (University of the Ryukyus)

PE2-5 Correlation of dynamic chest radiograph (DCR) with respiratory function: a study of asthma cases

Masahiro Kaneko (Kobe City West Hospital)

August 23 (Fri) 17:00-17:50 **Lung Cancer**

[Chair] Ho Yun Lee (Department of Radiology, Samsung Medical Center, Sungkyunkwan University School of Medicine)

Hiroyuki Isihikawa (Department of Radiology and Radiation Oncology, Niigata University)

PE3-1 Incidental Findings in the HANSE LCS Trial - Preliminary Report

Rimma Kondrashova (Institute of Diagnostic and Interventional Radiology, Hannover Medical School, Biomedical Research in Endstage and Obstructive Lung Disease Hannover (BREATH), German Center for Lung Research (DZL))

PE3-2 Characteristics of Ground-Glass Nodules in Female Never-Smokers with a Family History of Lung Cancer

Soon Ho Yoon (Department of Radiology, Seoul National University Hospital)

PE3-3 Interobserver Variability in Lung-RADS Categorization: Tertiary Hospital vs. Non-tertiary Hospitals

You Na Kim (Ajou University School of Medicine)

PE3-4 Real world impact of DL supported CAD for routine chest CT on management of incidental lung nodules

Edwin J.R. van Beek (University of Edinburgh)

PE3-5 Application of Fractal Analysis to Chest CT of NSCLC Patients Undergoing Radiotherapy for Prognosis

Jeongeun Hwang (Soonchunhyang University)

August 23 (Fri) 17:00-17:50 **Interstitial Pneumonia**

- [Chair] Jürgen Biederer (Department of Diagnostic and interventional Radiology, University Hospital Heidelberg)
Jooae Choe (Department of Radiology, Asan Medical Center, University of Ulsan College of Medicine)
- PE4-1 Quantitative computed tomography assessment of lung volumes in interstitial lung diseases**
Yi Xian Cassandra Yang (Sengkang General Hospital)
- PE4-2 Automated Quantification of ILA and emphysema on CT: A Predictive Marker for PPC after Esophagectomy**
You Jin Oh (Department of Health Sciences and Technology, SAIHST, Sungkyunkwan University, Department of Radiology and Center for Imaging Science, Samsung Medical Center, Sungkyunkwan University School of Medicine)
- PE4-3 Temporal volumetric concordance between bronchi and lung field on dynamic ventilation CT**
Yukihiro Nagatani (Shiga University of Medical Science)
- PE4-4 Prediction of antifibrotic therapy response for idiopathic pulmonary fibrosis by quantitative CT**
Hidetake Yabuuchi (Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University)
- PE4-5 Quantitative Risk Thresholds for Interstitial Lung Abnormalities and Prognostic Associations**
Yeon Joo Jeong (Pusan National University Yangsan Hospital)

August 23 (Fri) 17:00-17:50 **CT**

- [Chair] Pim de Jong (Department of Radiology, UMC Utrecht)
Chang Hyun Lee (Department of Radiology, Seoul National University)
- PE5-1 Pulmonary small vessel dimensions on CT in pulmonary hypertension: association with ^{99m}Tc-MAA uptake**
Yukihiro Nagatani (Shiga University of Medical Science)
- PE5-2 Association between low-attenuation area on computed tomography and severity of COVID-19**
Sadatomo Tasaka (Hiroshima University Graduate School of Medicine, Murakami Shinmachi Hospital)
- PE5-3 Analysis of alveolar walls in 3D lung micro images from large-field synchrotron radiation CT**
Ryuki Ono (Program of Science and Technology, Graduate School of Creative Science, Tokushima University)
- PE5-4 Increased adiposity to muscle ratio and sinusitis affect quality of life in asthma—CT analysis—**
Kaoruko Shimizu (Division of Emergent Respiratory and Cardiovascular Medicine, Hokkaido University Hospital, Department of Respiratory Medicine, Faculty of Medicine)

PE5-5 Evaluations of pulmonary function for the separated right/left lungs and five lobes by dynamic-ventilation CT

Tsuneo Yamashiro (Department of Radiology, Yokohama City University Graduate School of Medicine)

August 23 (Fri) 17:00-17:50 MRI/AI

[Chair] Mark Oliver Wielpütz (Department of Diagnostic and Interventional Radiology, Heidelberg University Hospital)

Grace Parraga (Robarts Research Institute, Western University)

PE6-1 Estimating Physiological Values of Membrane and RBC Conductance Using ^{129}Xe Gas Exchange MRI

David Mummy (Duke University)

PE6-2 Lung normal strains in free, diaphragmatic, and thoracic breathing using 3D MR Spirometry

Adrien Duwat (Université Paris-Saclay, CEA, CNRS, Inserm, BioMaps)

PE6-3 Vendor-Independent Simultaneous Multislice sequence for accelerated PREFUL MRI – A Proof of Concept

Sonja Luediger (Institute of Diagnostic and Interventional Radiology, Hannover Medical School, Biomedical Research in Endstage and Obstructive Lung Disease (BREATH), Member of the German Center for Lung Research (DZL))

PE6-4 Coronary Artery Calcification on Low-Dose Lung Cancer Screening CT in South Korea

Won Gi Jeong (Department of Radiology, Chonnam National University Hwasun Hospital and Chonnam National University Medical School)

PE6-5 Deep learning-based CAD for pulmonary nodule detection in the coronary artery calcium-scoring CT

Jung Im Jung (Department of Radiology, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea)

Poster (Japanese)

August 25 (Sun) 13:20-14:20 COPD-1

[Chair] Kenichi Takahashi (Kishiwada City Hospital)

高橋 憲一 (市立岸和田市民病院呼吸器内科)

Yoshiki Kawata (Institute of Post-LED Photonics, Tokushima University)

河田 佳樹 (徳島大学ポスト LED フォトニクス研究所)

PJI-1 Diaphragm dome height on chest radiography as a predictor of dynamic lung hyperinflation in COPD

Masashi Shiraishi (Department of Rehabilitation Medicine, Kindai University School of Medicine)

慢性閉塞性肺疾患患者における動的肺過膨張と胸部単純 X 線による横隔膜ドーム高との関連

白石 匡 (近畿大学病院 リハビリテーション部)

PJI-2 Correlation of DCR with symptoms, physical function, and respiratory function: A Study of COPD cases

Masahiro Kaneko (Kobe City West Hospital)

胸部 X 線動態画像 (DCR) と症状, 運動耐用能・身体機能, 呼吸機能の相関: COPD 症例における検討

金子 正博 (神戸市立医療センター西市民病院 呼吸器内科)

PJI-3 CT imaging indices to predict COPD in smokers

Fumi Mochizuki (Department of Respiratory Medicine, Tsukuba Medical Center Hospital)

健診受診喫煙者における COPD 診断と関連する CT 指標の検討

望月 芙美 (筑波メディカルセンター病院呼吸器内科)

PJI-4 Association of gut microbiome and CT measured indices in patients with COPD

Daisuke Kinose (Division of Respiratory Medicine, Department of Internal Medicine, Shiga University of Medical Science)

COPD 患者における腸内細菌叢と CT 指標の関連について

黄瀬 大輔 (滋賀医科大学 呼吸器内科)

PJI-5 Longitudinal analysis of fibrotic lesions in COPD using Persistent Homology

Yusuke Shiraishi (Department of Respiratory Medicine, Kyoto University)

パーシステントホモロジーを用いた COPD における線維化病変の評価

白石 祐介 (京都大学大学院医学研究科呼吸器内科学)

August 25 (Sun) 13:20-14:20 COPD-2/Airway-CT

[Chair] Tsuneo Yamashiro (Department of Radiology, Yokohama City University)
山城 恒雄 (横浜市立大学放射線診断学)
Tsuyoshi Oguma (Pulmonology, Kyoto City Hospital)
小熊 毅 (京都市立病院 呼吸器内科)

PJ2-1 Examination of the effects of smoking in healthy subjects using medical examination images

Takahiro Ibaraki (Respiratory Medicine, Osaka Saiseikai Suita Hospital)

健診画像を用いた健常者における喫煙の影響の検討

茨木 敬博 (大阪府済生会吹田病院 呼吸器内科)

PJ2-2 The relationships between FEV1 and inspiratory and expiratory CT measurements

Emiko Ogawa (Health Administration Center, Shiga University of Medical Science, Division of Respiratory Medicine, Department of Medicine, Shiga University of Medical Science)

一秒量と吸気・呼気 CT 測定の関係

小川 恵美子 (滋賀医科大学保健管理センター / 滋賀医科大学内科学講座呼吸器内科)

PJ2-3 Clinical significance of airway to lung ratio in asthma patients

Takafumi Shimada (Department of Respiratory Medicine, Tsukuba Medical Center Hospital, Tsukuba, Japan)

喘息患者における Airway to lung ratio の臨床的意義

嶋田 貴文 (筑波メディカルセンター病院)

PJ2-4 Development of the method for CT imaging evaluation of the airways in bronchiectasis

Tomoki Maetani (Department of Respiratory Medicine, Graduate School of Medicine, Kyoto University)

気管支拡張症における気道の画像的評価手法の開発

前谷 知毅 (京都大学大学院医学研究科 呼吸器内科学)

PJ2-5 Clinical Remission and Chest Computed Tomography Findings with Biologics in Severe Asthma

Shinya Tsukamoto (Department of Respiratory Medicine, Graduate school of Medicine Kyoto University)

重症喘息に対する生物学的製剤による Clinical Remission と胸部 CT 所見の検討

塚本 信哉 (京都大学大学院医学研究科呼吸器内科学)

August 25 (Sun) 13:20-14:20 **Interstitial Pneumonia/Vascular Diseases**

- [Chair] Yukihiro Nagatani (Division of Radiology, Shiga University of Medical Science)
永谷 幸裕 (滋賀医科大学 放射線医学講座)
Kiminobu Tanizawa (Kyoto Medical Center)
谷澤 公伸 (京都医療センター 呼吸器内科)
- PJ3-1 4DCT study of regional lung mobility in patients with interstitial lung disease**
Yoko Tsunoda (Division of Respiratory Medicine, Department of Internal Medicine, Shiga University of Medical Science)
4DCT を用いた間質性肺炎患者における肺局所の可動性についての検討
角田 陽子 (滋賀医科大学医学部附属病院呼吸器内科)
- PJ3-2 Factors in lung volume reduction in RA-related ILD by quantitative chest CT**
Masahiro Tahara (Department of Respiratory Medicine, University of Occupational and Environmental Health)
関節リウマチ関連間質性肺疾患における胸部 CT 定量評価での肺容積減少因子の解析
田原 正浩 (産業医科大学 医学部 呼吸器内科学)
- PJ3-3 Lung volume changes by lung lobe in patients with interstitial lung disease**
Masashi Zenta (Department of Rehabilitation, International University of Health and Welfare (IUHW) Ichikawa Hospital, Department of Health and Social Services, Course of Health and Social Services, Graduate School of Saitama Prefectural University)
間質性肺疾患患者における肺葉別の肺容積の変化
善田 督史 (国際医療福祉大学市川病院リハビリテーション室/埼玉県立大学大学院保健医療福祉学研究所)
- PJ3-4 Pulmonary hypertension associated with systemic sclerosis: utility of pulmonary artery volume ratio**
Hidetake Yabuuchi (Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University)
全身性強皮症合併肺高血圧症：3D-CT 肺動脈容積比の有用性
藪内 英剛 (九州大学大学院医学研究院保健学部)
- PJ3-5 Quantitative assessment of heterogeneity of lung density in patients with CTEPH**
Naoko Kawata (Department of Respiriology, Graduate School of Medicine, Chiba University, Graduate School of Science and Engineering, Chiba University)
慢性血栓塞栓性肺高血圧症患者における肺野濃度の不均一性の評価
川田 奈緒子 (千葉大学大学院医学研究院 呼吸器内科学 / 千葉大学大学院融合理工学府 基幹工学専攻 医工学コース)
- PJ3-6 Dual-Energy CT Thoracic Imaging: Late-Phase Can Replace Unenhanced and Early-Phase Scans.**
Shuhei Doi (Osaka University Graduate School of Medicine)
デュアルエネルギー CT による胸部画像の後期相の検討：単純および早期相の代替可能性の評価
土居 秀平 (大阪大学大学院医学系研究科放射線統合医学講座放射線医学教室)

August 25 (Sun) 13:20-14:20 CT

- [Chair] Yoshiyuki Ozawa (Department of Diagnostic Radiology, Fujita Medical University)
小澤 良之 (藤田医科大学 医学部 放射線診断学)
Hidekazu Hattori (Department of Clinical Pathophysiology, Fujita Health University Graduate School of Health Sciences)
服部 秀計 (藤田医科大学医療科学部臨床病態解析学)
- PJ4-1 Micro-nodule analysis of pneumoconiosis using 3D CT images**
Rento Nii (Tokushima University)
3次元CT画像によるじん肺の粒状影解析
新居 蓮叶 (徳島大学)
- PJ4-2 Lung and airway dynamics using respiratory 4DCT including the whole respiratory system**
Hiroshi Moriya (Ohara general hospital)
呼吸器系全体を含む呼吸動態 4DCT による肺・気道動態の可視化 一定量化と技術的課題一
森谷 浩史 (大原総合病院)
- PJ4-3 Association Between The Cross-sectional Area Of Erector Spinae Muscles And Mortality inCPFE Patients**
Tatsuhiko Furuyama (Department of Respiratory Medicine, Nara Medical University)
気腫合併肺線維症患者における脊柱起立筋横断面積と臨床パラメータや予後との関連
古山 達大 (奈良県立医科大学附属病院呼吸器内科)
- PJ4-4 Experimental analysis of usefulness of ultra-high-resolution scanning on dynamic ventilation CT**
Ryo Uemura (Department of Radiology, Shiga University of Medical Science)
動態CTにおける超高精細スキヤンの有用性の実験的解析
上村 諒 (滋賀医科大学 放射線科)
- PJ4-5 Correlation between CT findings and pulmonary function parameters in NTM disease**
Nobuyoshi Hamao (Department of Respiratory Medicine, Graduate School of Medicine, Kyoto University)
肺非結核性抗酸菌症における画像所見と呼吸機能検査の相関について
濱尾 信叔 (京都大学大学院医学研究科 呼吸器内科学)

August 25 (Sun) 13:20-14:20 **Nuclear/AI**

- [Chair] Takeshi Kubo (Department of Radiology, Tenri Hospital)
久保 武 (天理よろづ相談所病院 放射線科)
Nanae Tsuchiya (Department of Radiology, University of the Ryukyus)
土屋 奈々絵 (琉球大学大学院医学研究科 放射線診断治療学講座)
- PJ5-1 A case of Sjögren's syndrome in whom thymic MALT lymphoma was detected by gallium scintigraphy**
Nanae Tsuchiya (University of the Ryukyus)
ガリウムシンチにて胸腺 MALT リンパ腫を指摘出来たシェーグレン症候群の一例
土屋 奈々絵 (琉球大学病院放射線科)
- PJ5-2 Effectiveness of prior PET/CT fusion imaging using CT-guided trans thoracic biopsy**
Fumiyasu Tsushima (Hirosaki University School of Medicine & Hospital)
胸部 CT ガイド下生検における術前 PET の有用性
対馬 史泰 (弘前大学医学部放射線診断学講座)
- PJ5-3 A Case of Pulmonary MALT Lymphoma that was Difficult to Differentiate from Inflammatory Changes**
Tsuyoshi Komori (Osaka Medical and Pharmaceutical University)
FDG-PET で炎症性変化と鑑別困難であった肺 MALT リンパ腫の一例
小森 剛 (大阪医科薬科大学)
- PJ5-4 Automatic extraction of PA and PV in the mediastinum / pulmonary hilum from non-contrast 3DCT images**
Manato Akatsuka (Graduate School of Integrated Science and Technology, Department of Engineering, University of Tokushima)
非造影 3 次元 CT 画像の縦隔部・肺門部の肺動脈・肺静脈の自動抽出
赤塚 真人 (徳島大学大学院 創成科学研究科 理工学専攻)

Sponsored Seminar

August 23 (Fri) 11:20-12:20 Luncheon Seminar 1

Sponsored by CANON MEDICAL SYSTEMS CORPORATION

State of the Art CT and MRI for Pulmonary Functional Imaging

[Chair] Takatoshi Aoki (Department of Radiology, University of Occupational and Environmental Health)

[Speaker] Yoshiharu Ohno (Department of Diagnostic Radiology, Fujita Health University School of Medicine / Joint Research Laboratory of Advanced Medical Imaging, Fujita Health University School of Medicine)

August 23 (Fri) 11:20-12:20 Luncheon Seminar 2

共催：アストラゼネカ株式会社

COPD と ACO ~最新のガイドライン・手引きを踏まえた治療介入

[Chair] 中野 恭幸 (滋賀医科大学 内科学講座 呼吸器内科 教授)

[Speaker] 室 繁郎 (奈良県立医科大学 呼吸器内科学講座 教授)

August 24 (Sat) 12:00-13:00 Luncheon Seminar 3

Sponsored by Corelinesoft Co., Ltd.

AI in Lung Health: From Early Detection to Advanced Treatment

[Chair] Ki Yeol Lee (Department of Radiology, College of Medicine, Korea University)

Sang Hyun Paik (Chief Medical Office of Coreline)

[Speaker] Jens Vogel-Claussen (Hannover Medical School)

Implementation of Artificial Intelligence in LDCT lung cancer screening - the HANSE Study

[Speaker] Gong Yong Jin (Jeonbuk National University Medical School and Hospital)

Role of artificial intelligence in the clinical practice of interstitial lung disease

August 24 (Sat) 12:00-13:00 Luncheon Seminar 4

Sponsored by United Imaging Healthcare Japan K.K.

Advancing Pulmonary CT Imaging: AI Integration with the uCT 960+ System

[Chair] Yoshiharu Ohno (Department of Diagnostic Radiology, Fujita Health University School of Medicine)

[Speaker] Adam G. CHANDLER (UIH America, Inc., Houston, TX, USA)

August 25 (Sun) 8:00-9:00

Morning Seminar

共催：日本ベーリンガーインゲルハイム株式会社

間質性肺疾患診療における AI 応用の現状と可能性

[Chair] 井上 義一 (大阪府結核予防会・大阪複十字病院 内科・近畿中央呼吸器センター臨床研究センター)

[Speaker] 半田 知宏 (京都大学大学院医学研究科 呼吸不全先進医療講座)

August 25 (Sun) 12:00-13:00

Luncheon Seminar 5

共催：サノフィ株式会社 / リジェネロン・ジャパン株式会社

多角的に捉える閉塞性肺疾患の治療

[Chair] 中野 恭幸 (滋賀医科大学 内科学講座 呼吸器内科 教授)

[Speaker] 福永 興壺 (慶應義塾大学医学部 呼吸器内科 教授)