

The 118th Annual Meeting

* October 24(Friday), 2014 *

13:00 - 13:30 등 록

- Grand BallRoom 101-102 (연제 1 - 15, 연구회 특강, 특강) -

13:30 - 15:10 연구회 특강, 일반연제 발표

13:30 - 14:20

(Chairperson : Dong Soon Kim)

· Korean ILD (Interstitial Lung Disease) Study Group

“Review of IPF guideline”

- Hong Lyeol Lee(Inha University)

· 일반연제 발표

1. Altered regulation of matabolomic pathways in idiopathic pulmonary fibrosis

Sung Woo Park¹, Ae Rin Baek¹, Do Jin Kim¹, An Soo Jang¹, Soo Taek Uh², Yong Hoon Kim³, Choon Sik Park¹, Yoon Pyo Kang⁴, Sung Won Kwon⁴(Soon Chun Hyang University Hospital Bucheon, REPUBLIC OF KOREA¹, Soon Chun Hyang University Hospital Seoul, REPUBLIC OF KOREA², Soon Chun Hyang University Hospital Cheonan, REPUBLIC OF KOREA³, Seoul National University College of Pharmacy, REPUBLIC OF KOREA⁴)

2. Clinical implications of correlation between peripheral eosinophil count and serum levels of IL-5 and tryptase in acute eosinophilic pneumonia

Byung Woo Jhun¹, Se Jin Kim¹, Kang Kim¹, Ji Eun Lee¹, Duck Jin Hong²(Division of Pulmonary and Critical Care Medicine, Department of Medicine, The Armed Forces Capital Hospital, Seong-nam, Gyeonggi province, REPUBLIC OF KOREA¹, Department of Laboratory Medicine, The Armed Forces Capital Hospital, Seong-nam, Gyeonggi province, REPUBLIC OF KOREA²)

14:20 - 15:10

(Chairperson : Soo Taek Uh)

3. Interstitial Lung Abnormalities in Health Screening Examinees: Prevalence and Long term follow-up

Soo Hyun Bae¹, Young Ju Jung², Hiroto Habatu³, Araki Tetsuro³, Gary M. Hunninghake⁴, Jin Woo Song¹(Department of Pulmonary and Critical Care Medicine, Asan Medical Center, REPUBLIC OF KOREA¹, Health screening and Promotion Center, Asan Medical Center, REPUBLIC OF KOREA², Department of Radiology, Brigham and Women's Hospital, REPUBLIC OF KOREA³, Division of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, REPUBLIC OF KOREA⁴)

4. Effect of different pulmonary physiologic manifestations on acute exacerbation in patients with combined pulmonary fibrosis and emphysema

Ju-Hee Park¹, Sun Mi Choi^{1,2}, Jinwoo Lee^{1,2}, Young Sik Park^{1,2}, Chang-Hoon Lee^{1,2}, Sang-Min Lee^{1,2}, Jae-Joon Yim^{1,2}, Young Whan Kim^{1,2}, Sung Koo Han^{1,2}, Chul-Gyu Yoo^{1,2}
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

5. Clinical Characteristics of Rituximab-induced Interstitial Lung Disease

Jee Min Kim¹, Jong Sun Park¹, Se Joong Kim¹, Yeon Joo Lee¹, Yeong-Jae Cho¹, Ho Il Yoon¹, Jae Ho Lee¹, Choon-Taek Lee¹
(Seoul National University Bundang Hospital, REPUBLIC OF KOREA¹)

6. Pulmonary alveolar proteinosis in Korea for 20 years from 1993 to 2013

Joo Han Song¹, Korean Interstitial Lung Diseases Research Group², Kyung Soo Chung¹, Song Yee Kim¹, Eun Young Kim¹, Ji Ye Jung¹, Young Ae Kang¹, Young Sam Kim¹, Se Kyu Kim¹, Joon Chang¹, Moo Suk Park¹(Division of Pulmonology, Department of Internal Medicine, Institute of Chest Diseases, Severance Hospital, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA¹, Korean Interstitial Lung Diseases Research Group, REPUBLIC OF KOREA²)

15:10 - 16:00 **특 강** (Chairperson : Jee Hong Yoo)

“Current status and future directions for IPF management in Japan”

Masashi Bando, MD, Ph.D

(Jichi Medical University, Japan)

16:00 - 16:20 **Coffee Break**

16:20 - 17:10

(Chairperson : Kyung Ho Kang)

7. Bleomycin-induced pulmonary fibrosis is improved by inhibition of endoplasmic reticulum stress in mice

Yong Chul Lee¹, So Ri Kim¹, Kyung Bae Lee¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹
(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

8. Mitochondrial ROS are required for bleomycin-induced pulmonary fibrosis in mice

So Ri Kim¹, Yong Chul Lee¹, Kyung Bae Lee¹, Soon Ha Kim², Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹(Chonbuk National University Hospital, REPUBLIC OF KOREA¹, LG Life Sciences Ltd., REPUBLIC OF KOREA²)

9. The role of endoplasmic reticulum stress in the pathogenesis of PHMG-induced pulmonary fibrosis of mice

So Ri Kim¹, Yong Chul Lee¹, Dong Im Kim¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹
(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

10. Mitochondrial ROS contribute to PHMG-induced pulmonary fibrosis of mice

Yong Chul Lee¹, So Ri Kim¹, Dong Im Kim¹, Soon Ha Kim², Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹
(Chonbuk National University Hospital, REPUBLIC OF KOREA¹, LG Life Sciences Ltd.,

REPUBLIC OF KOREA²)

17:10 - 18:00

(Chairperson : Young Hyun Lee)

11. The utility of thoracic ultrasound in the diagnosis and follow-up of patients with acute eosinophilic pneumonia

Hee Yoon¹, Se Jin Kim², Kang Kim², Ji Eun Lee², Byung Woo Jhun²

(Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA¹, The Armed Forces Capital Hospital, REPUBLIC OF KOREA²)

12. Prediction model of anthracofibrosis using clinical and radiologic parameters

Tae Yun Park^{1,2}, Sung Soo Park^{1,2}, Eun Young Heo^{1,2}, Hee Soon Chung^{1,2}, Deog Kyeom Kim^{1,2}(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Seoul, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

13. Airflow obstruction is associated with Nontuberculous lesions on simple chest X-ray

Sunmin Kim¹, Dong-Chul Lee², Yu-Il Kim¹, Hong-Jun Shin¹, Chul-Kyu Park¹, Bo-Ram Lee¹, Hee-Jung Ban¹, Yong-Soo Kwon¹, In-Jae Oh¹, Kyu-Sik Kim¹, Young-Chul Kim¹, Sung-Chul Lim¹(Division of Pulmonology, Department of Internal Medicine, Chonnam National University Hospital, REPUBLIC OF KOREA¹, Department of Internal Medicine, Kwangju Christian Hospital, REPUBLIC OF KOREA²)

14. Clinical usefulness of impulse oscillometry in elderly patients with chronic obstructive airway disease

Jin-Han Park¹, Sun-Young Kim¹, Hang-Jea Jang¹, Hyun-Kuk Kim¹, Chan-Sun Park¹
(Inje University Haeundae Paik Hospital, REPUBLIC OF KOREA¹)

15. Forced Expiratory Flow Between 25% and 75% of Vital Capacity Has a Value of Predicting the Airway Responsiveness to Mannitol

Ji-Yong Moon¹, Sung Jun Jung¹, Gun Woo Koo¹, Ji Young Yhi¹, Dong Won Park¹, Hyun Jung Kwak¹, Sang-Heon Kim¹, Tae Hyung Kim¹, Jang Won Sohn¹, Dong Ho Shin¹, Sung Soo Park¹, Ho Joo Yoon¹(Department of Internal Medicine, Hanyang University College of Medicine, Seoul, REPUBLIC OF KOREA¹)

- Grand Ball Room 103 (연제 16 - 37, 연구회 특강) -

13:30 - 16:00 연구회 특강, 일반연제 발표

13:30 - 14:20

(Chairperson : Sung Koo Han)

· Korean TB Study Group

“면역저하자에서 발생한 결핵”
- Jae Chol Choi(Chung-Ang University)

· 일반연제 발표

16. Tuberculosis associated with gastrectomy in gastric cancer

Ah Young Shin¹, Ju Sang Kim¹, Hye Sun Kang¹, Joong Hyun Ahn¹

(The Catholic University Of Korea, Incheon St. Mary's Hospital, REPUBLIC OF KOREA¹)

17. Predictive risk factors associated with default from treatment for tuberculosis in South Korea

Cheolkyu Park¹, Yongsoo Kwon¹, Hosung Lee¹, Hongjoon Shin¹, Boram Lee¹, Heejung Ban¹, Injae Oh¹, Kyusik Kim¹, Yuil Kim¹, Sungchul Lim¹, Youngchul Kim¹

(Chonnam National University Hospital, REPUBLIC OF KOREA¹)

14:20 – 15:10

(Chairperson : Sung Chul Hwang)

18. Performance comparison of the automated liquid culture system and solid media in tuberculous pleural effusion.

Seong Hoon Yoon¹, Byung Hee Lee¹, Hye Ju Yeo¹, Dong Wan Kim¹, Seung Eun Lee¹, Woo Hyun Cho¹, Doosoo Jeon¹, Yun Seong Kim¹(Pusan National University YangSan Hospital, Pusan National University School Of Medicine, REPUBLIC OF KOREA¹)

19. Validation of diagnostic accuracy of bronchial aspirate real-time polymerase chain reaction for pulmonary tuberculosis

Jae Hee Kim¹, Kwang Won Seo¹, Seung Won Ra¹, Taehoon Lee¹, Jong-Joon Ahn¹, Yangjin Jegal¹(Department of Internal medicine, Ulsan University Hospital, University of Ulsan, College of Medicine, REPUBLIC OF KOREA¹)

20. Diagnostic accuracy of Xpert MTB/RIF assay for the diagnosis of pulmonary tuberculosis compared to the AdvanSure TB/NTM real-time PCR using bronchoscopy specimen

Yousang Ko¹, Jin Lee¹, Young-Seok Lee¹, Mi-Yeong Kim¹, Hyun-Kyung Lee¹, Young-Min Lee¹, Jeong Hwan Shin²(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, BusanPaik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA¹, Department Laboratory Medicine, Busan Paik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA²)

21. Xpert MTB/RIF assay for diagnosis of extrapulmonary tuberculosis in a country with an intermediate TB burden

Yeon Wook KIM¹, Nakwon KWAK¹, Moon-Woo SEONG², Eui-Chong KIM², Chul-Gyu YOU¹, Young Whan KIM¹, Sung Koo HAN¹, Jae-Joon YIM¹(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, REPUBLIC OF KOREA¹, Department of Laboratory Medicine, Seoul National University Hospital, REPUBLIC OF KOREA²)

22. Drug resistance pattern of Mycobacterium tuberculosis strains from pulmonary and extrapulmonary tuberculosis in a tertiary medical center in Korea, 2006–2013

Yousang Ko¹, Jin Lee¹, Ho Young Lee¹, Young Seok Lee¹, Mi-Yeong Kim¹, Hyun-Kyung Lee¹, Young-Min Lee¹, Jeong Hwan Shin²(Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Busan Paik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA¹, Department Laboratory Medicine, Busan Paik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA²)

15:10 – 16:00

(Chairperson : Maan Hong Jung)

23. Clinical Significance of Delayed Sputum Smear Conversion in Pulmonary Tuberculosis

Hye Seon Kang¹, Ah Young Shin¹, Joong Hyun Ahn¹, Ju Sang Kim¹
(The Catholic University Of Korea, Incheon St. Mary's Hospital, REPUBLIC OF KOREA¹)

24. Evaluation the decline in infectiousness of patients with pulmonary tuberculosis after receiving standard chemotherapy using sputum induction specimen

Yousang Ko¹, Young Seok Lee¹, Mi-Yeong Kim¹, Hyun-Kyung Lee¹, Young-Min Lee¹, Jeong Hwan Shin²(Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Busan Paik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA¹, Department Laboratory Medicine, Busan Paik Hospital, Inje University College of Medicine, Busan, REPUBLIC OF KOREA²)

25. Clinical characteristics and treatment outcomes of patients with pulmonary tuberculosis with delayed conversion over 4 months

Yoomi Yeo¹, Kyung-Wook Jo¹, Sang Do Lee¹, Woo Sung Kim¹, Tae Sun Shim¹(Department of Pulmonary and Critical Care Medicine, University of Ulsan College of Medicine, Asan Medical Center, Seoul, REPUBLIC OF KOREA¹)

26. Impact of drug resistance on negative conversion of sputum culture among patients with pulmonary tuberculosis

Joohae Kim¹, Ha Youn Lee¹, Sun Mi Choi¹, Jinwoo Lee¹, Young Sik Park¹, Chang-Hoon Lee¹, Sang-Min Lee¹, Chul-Gyu Yoo¹, Young Whan Kim¹, Sung Koo Han¹, Jae-Joon Yim¹
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, Republic of Korea, REPUBLIC OF KOREA¹)

27. Outcomes of Multidrug-Resistant Tuberculosis: Impacts of Fluoroquinolone Resistance and Linezolid Treatment

Byeong-Ho Jeong¹, Kyeongman Jeon¹, Hye Yun Park¹, O Jung Kwon¹, Hong Kwan Kim², Yong Soo Choi², Jhingook Kim², Hee Jae Huh³, Nam Yong Lee³, Won-Jung Koh¹
(Division of Pulmonary and Critical Care Medicine, Departments of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, REPUBLIC OF KOREA¹, Department of Thoracic Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, REPUBLIC OF KOREA², Department of Laboratory Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, REPUBLIC OF KOREA³)

16:00 – 16:20 Coffee Break

16:20 – 17:10

(Chairperson : In Won Park)

28. Interferon- γ release assay for screening arthritis patients for latent tuberculosis before starting tumor necrosis factor antagonist in Korea

Hyun LEE¹, Hye Yun PARK¹, Byeong-Ho JEONG¹, Kyeongman JEON¹, Ji-Won HWANG², Jaejoon LEE², Hoon-Suk CHA², Eun-Mi KOH², Eun-Suk KANG³, Won-Jung KOH¹
(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, REPUBLIC OF KOREA¹, Division of Rheumatology, Department of Medicine, Samsung Medical Center, REPUBLIC OF KOREA², Department of Laboratory Medicine and Genetics, Samsung Medical Center, REPUBLIC OF KOREA³)

29. Comparison of sensitivity of QuantiFERON-TB Gold In-tube and T-SPOT.TB according to age

Won Bae^{1,2}, Se Joong Kim^{1,2}, Yeoun Joo Lee^{1,2}, Jong Sun Park^{1,2}, Young-Jae Cho^{1,2}, Ho Il

Yoon^{1,2}, Choon-Taek Lee^{1,2}, Jae Ho Lee^{1,2}(Department of Internal Medicine, Seoul National University College of Medicine, REPUBLIC OF KOREA¹, Division of Pulmonary and Critical Care Medicine, Seoul National University Bundang Hospital, REPUBLIC OF KOREA²)

30. Predictors of False-negative QuantiFERON-TB Gold In-Tube Results in Culture-confirmed Tuberculosis: A Multicenter Retrospective Cohort Study

Yong-Soo Kwon¹, Yee Hyung Kim², Kyeongman Jeon³, Byeong-Ho Jeong³, Yon Ju Ryu⁴, Jae Chol Choi⁵, Ho Cheol Kim⁶, Won-Jung Koh³

(Department of Internal Medicine, Chonnam National University Hospital, REPUBLIC OF KOREA¹, Department of Pulmonary and Critical Care Medicine, Kyung Hee University Hospital at Gangdong, School of Medicine, Kyung Hee University, REPUBLIC OF KOREA², Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA³, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Ewha Medical Center and Ewha Medical Research Institute, Ewha Womans University School of Medicine, Mokdong Hospital, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Chung-Ang University School of Medicine, REPUBLIC OF KOREA⁵, Department of Internal Medicine, College of Medicine, Gyeongsang Institute of Health Sciences, Gyeongsang National University, REPUBLIC OF KOREA⁶)

31. Progression to Tuberculosis in Close Contacts with Infectious Tuberculosis Patients

Hee Jin Kim¹, Su Yeon Oh¹, Jin Beom Lee¹, Yeon Sook Seo¹, Eun Pyo Lee¹, Mi Hyeun Kim¹, Mi Sun Park²(The Korean Institute of Tuberculosis, REPUBLIC OF KOREA¹, Division of Tuberculosis and Bacterial Respiratory Infections, Korea National Institute of Health, REPUBLIC OF KOREA²)

32. Necessity of IGRA to the Tuberculin Convertors in Tuberculosis Contact Investigation

Hee Jin Kim¹, Su Yeon Oh¹, Jin Beom Lee¹, Yeon Sook Seo¹, Eun Pyo Lee¹, Mi Hyeun Kim¹, Mi Sun Park²(The Korean Institute of Tuberculosis, REPUBLIC OF KOREA¹, Division of Tuberculosis and Bacterial Respiratory Infections, Korea National Institute of Health, REPUBLIC OF KOREA²)

17:10 – 18:00

(Chairperson : In Gyu Hyun)

33. Increased serum CA 19-9 levels in pulmonary nontuberculous mycobacterial disease

Ji Young Hong¹, Song Yee Kim¹, Kyung Soo Chung¹, Eun Young Kim¹, Ji Ye Jung¹, Moo Suk Park¹, Young Sam Kim¹, Se Kyu Kim¹, Joon Chang¹, Young Ae Kang¹(Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, REPUBLIC OF KOREA¹)

34. Intermittent Antibiotic Therapy for the Nodular Bronchiectatic Mycobacterium avium Complex Lung Disease

Byeong-Ho Jeong¹, Kyeongman Jeon¹, Hye Yun Park¹, Su-Young Kim¹, Hee Jae Huh², Chang-Seok Ki², Nam Yong Lee², Sung Jae Shin³, Won-Jung Koh¹(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, REPUBLIC OF KOREA¹, Department of Laboratory Medicine and Genetics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, REPUBLIC OF KOREA², Department of Microbiology, Yonsei University College of Medicine, Seoul, Korea, REPUBLIC OF KOREA³)

35. Treatment Outcomes in 70 Patients Undergoing Adjuvant Resectional Surgery for Nontuberculous Mycobacterial Lung Disease

Hyung Koo Kang¹, Hye Yun Park¹, Dohun Kim², Byeong-Ho Jeong¹, Kyeongman Jeon¹,

Hong Kwan Kim², Yong Soo Choi², Jhngook Kim², Won-Jung Koh¹
(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, REPUBLIC OF KOREA¹, Department of Thoracic Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, REPUBLIC OF KOREA²)

36. Risk factors for recurrence of successfully treated Mycobacterium avium complex lung disease

Bo Young Lee¹, Sunyoung Kim², Sang-Do Lee¹, Woo Sung Kim¹, Dong Soon Kim¹, Tae Sun Shim¹, Kyung-Wook Jo¹(Asan Medical Center, REPUBLIC OF KOREA¹, Inje University Haeundae Paik Hospital, REPUBLIC OF KOREA²)

37. Determinants of recurrence during follow-up period among patients with favorable response after successful treatment of Mycobacterium avium complex pulmonary disease

Jinsoo Min¹, Jisoo Park¹, Yeon Joo Lee¹, Se Joong Kim¹, Jong Sun Park¹, Young-Jae Cho¹, Ho Il Yoon¹, Choon-Taek Lee¹, Jae Ho Lee¹(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA¹)

- Grand Ball Room 104-105 (연제 38 - 56, 연구회 특강) -

13:30 - 14:20 연구회 특강, 일반연제발표

13:30 - 14:20

(Chairperson : Young Sil Hwang)

· COPD연구회 특강

“경증 COPD”

- Kwang Ha Yoo(Kunkuk University Medical Center)

· 일반연제 발표

38. Increased Prevalence of COPD among Korean Population: an Analysis of KNHANES II and V

Ji Young Hong¹, Song Yee Kim¹, Kyung Soo Chung¹, Eun Young Kim¹, Ji Ye Jung¹, Young Ae Kang¹, Moo Suk Park¹, Se Kyu Kim¹, Joon Chang¹, Young Sam Kim¹(Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, REPUBLIC OF KOREA¹)

39. Association between COPD and Educational Level in Korean Adult Population

Chanho Lee¹, Young Sam Kim¹

(Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, REPUBLIC OF KOREA¹)

14:20 - 15:10

(Chairperson : Myung Jae Park)

40. Discrepancy between CAT and mMRC in Korean COPD patients.

Chin Kook Rhee¹, Hyoung Kyu Yoon², Kwang Ha Yoo³, Ki-Suck Jung⁴

(The Catholic University of Korea, Seoul St. Mary's Hospital, REPUBLIC OF KOREA¹, The

Catholic University of Korea, Yeouido St. Mary's Hospital, REPUBLIC OF KOREA², Konkuk University School of Medicine, REPUBLIC OF KOREA³, Hallym University Sacred Heart Hospital, REPUBLIC OF KOREA⁴)

41. Clinical Efficacy and Adverse Events between Indacaterol and Tiotropium in COPD:

Meta-analysis of Randomized Controlled Trials

Jung Soo Kim¹, Hye Yun Park¹, Yeon-Mok Oh², Kwang Ha Yoo³, Yong Bum Park⁴, Seung Soo Sheen⁵, Jinkyong Park⁶, Ji Ye Jung⁷, Seong Yong Lim⁸(Samsung Medical Center, REPUBLIC OF KOREA¹, Department of Pulmonary and Critical Care Medicine, Clinical Research Center for Chronic Obstructive Airway Diseases, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA², Department of Internal Medicine, Konkuk University College of Medicine, Seoul, REPUBLIC OF KOREA³, Division of Pulmonology, Allergy & Critical Care Medicine, Department of Internal Medicine, Hallym University Medical Center, Seoul, Republic of Korea, REPUBLIC OF KOREA⁴, Department of Pulmonary and Critical Care Medicine, Ajou University School of Medicine, Suwon, REPUBLIC OF KOREA⁵, Department of Pulmonary and Critical Care Medicine Wonkwang University, Sanbon Hospital, Gunpo, REPUBLIC OF KOREA⁶, Division of Pulmonology, Department of Internal Medicine, Institute of Chest Disease, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA⁷, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, REPUBLIC OF KOREA⁸)

42. Risk factors for discontinuation of roflumilast in COPD patients.

Chin Kook Rhee¹, Kyung Hoon Kim¹, Hyoung Kyu Yoon²
(The Catholic University of Korea, Seoul St. Mary's Hospital, REPUBLIC OF KOREA¹, The Catholic University of Korea, Yeouido St. Mary's Hospital, REPUBLIC OF KOREA²)

43. Effectiveness and Safety of Bronchoscopic Lung Volume Reduction by Endobronchial Valve in Korean Emphysema Patients

Tai Sun Park¹, Jae Seung Lee¹, Yeon-Mok Oh¹, Sang-Do Lee¹, Sei Won Lee¹
(Department of Pulmonary and Critical Care Medicine, Asan Medical Center, University of Ulsan College of Medicine, REPUBLIC OF KOREA¹)

44. Artificial nanovesicles from adipose derived stem cells is new therapeutic candidate to induce regeneration of emphysematous lung

You-Sun Kim^{1,2}, Ji-Young Kim¹, Ryeon Jin Cho², Seiwon Lee³, Sang-Do Lee³, Yeon-Mok Oh^{2,3}(Asan Institute For Life Science, REPUBLIC OF KOREA¹, University of Ulsan College of Medicine, REPUBLIC OF KOREA², Departure of Pulmonary and Critical Care Medicine, Clinical Research Center for Chronic Obstructive Airway Diseases, Asan Medical Center, REPUBLIC OF KOREA³)

15:10 – 16:00

(Chairperson : Woo Sung Kim)

45. The economical effect of inhaler in patients with early chronic obstructive pulmonary disease

Jinkyong Park¹, Chin Kook Rhee⁴, Yong Bum Park³, Ki-Suck Jung³, Kwang Ha Yoo²
(Wonkwang University Sanbon Hospital, REPUBLIC OF KOREA¹, Konkuk University College of Medicine, REPUBLIC OF KOREA², Hallym University Medical Center, Hallym University College of Medicine, REPUBLIC OF KOREA³, St. Mary's Hospital, The Catholic University of Korea College of Medicine, REPUBLIC OF KOREA⁴)

46. The economic burden for last 2 years in mild COPD patients with or without 2 years follow-up after diagnosis

Young Seok Lee¹, Chin Kook Rhee², Jin Hwa Lee³, Yong Bum Park⁴, Deog Kyeom Kim⁵, Yong Il Hwang⁴, Woo Jin Kim⁶, Yoonki Hong⁶, Ji Ye Jung⁷, Jinkyong Park⁸, Hye Yun Park⁹, Kyung Hoon Min¹⁰, Ji-Yong Moon¹¹, Kwang Ha Yoo¹²(Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Busan Paik Hospital, Inje University College of Medicine, REPUBLIC OF KOREA¹, Division of Allergy and Pulmonary Medicine, Department of Internal Medicine, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA², Department of Internal Medicine, Ewha Womans University Mokdong Hospital, Ewha Womans University College of Medicine, REPUBLIC OF KOREA³, Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Hallym University Sacred Heart Hospital, REPUBLIC OF KOREA⁴, Division of Pulmonology, Department of Internal Medicine, Seoul National University Boramae Hospital, REPUBLIC OF KOREA⁵, Department of Internal Medicine and Environmental Health Center, Kangwon National University Hospital, REPUBLIC OF KOREA⁶, Department of Internal Medicine and Institute of Chest Diseases, Severance Hospital, Yonsei University College of Medicine, REPUBLIC OF KOREA⁷, Department of Pulmonary and Critical Care Medicine Wonkwang University, Sanbon Hospital, REPUBLIC OF KOREA⁸, Department of Internal Medicine, Samsung Medical Center, University of Sungkyunkwan College of Medicine, REPUBLIC OF KOREA⁹, Division of Respiratory and Critical Care Medicine, Department of Internal Medicine, College of Medicine, Korea University, REPUBLIC OF KOREA¹⁰, Department of Internal Medicine, Hanyang University College of Medicine, REPUBLIC OF KOREA¹¹, Department of Internal Medicine, Konkuk University School of Medicine, REPUBLIC OF KOREA¹²)

47. Lung Function Variability in COPD

Han-Sol Choi^{1,2}, Yeon Joo Lee^{1,2}, Se Joong Kim^{1,2}, Young-Jae Cho^{1,2}, Jong Sun Park^{1,2}, Jae-Ho Lee^{1,2}, Choon-Taek Lee^{1,2}, Ho Il Yoon^{1,2}(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

48. Relationship between Lung Function and Chest X-ray Findings in Koreans: A Population-Based Study

Sang Hoon Lee¹, Joo Han Song¹, Kyung Soo Chung¹, Song Yee Kim¹, Eun Young Kim¹, Ji Ye Jung¹, Young Ae Kang¹, Moo Suk Park¹, Se Kyu Kim¹, Joon Chang¹, Young Sam Kim¹ (Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA¹)

49. The impact of static hyperinflation in the patients with chronic obstructive pulmonary disease.

Joo Hun Park¹, Tae Rim Shin², Seungsoo Sheen¹, Joon Beom Seo², Kwang Ha Yoo², Ji-Hyun Lee², Tae-Hyung Kim², Seong Yong Lim², Ho Il Yoon², Jae Seung Lee², Yeon-Mok Oh², Sang-Do Lee²
(Ajou University Hospital, REPUBLIC OF KOREA¹, KOLD group, REPUBLIC OF KOREA²)

16:00 – 16:20 Coffee Break

16:20 - 17:10 연구회 특강, 일반연제발표

16:20 - 17:10

(Chairperson : Chul Min Ahn)

· Korea smoking cessation study group (KSCSC)

“금연의 최신 지견”

- Eun Mi Chun(Ewha Womans University)

· 일반연제 발표

50. Smoking patterns and nicotine dependence of North Korean male defectors

Sei Won Kim¹, Sang Haak Lee²

(The Catholic University Of Korea, Yeouido St. Mary's Hospital, REPUBLIC OF KOREA¹,
Department of Internal Medicine, St. Paul's Hospital, The Catholic University of Korea,
REPUBLIC OF KOREA²)

51. The association of cigarette smoking and mental health in Korean

Jae-Woo Jung¹, Jae Chol Choi¹, Jong Wook Shin¹, In Won Park¹, Byoung Whui Choi¹, Jae
Yeol Kim^{1,2}, Korean smoking cessation study group²(Chung-Ang University College of Medicine,
REPUBLIC OF KOREA¹, Korean smoking cessation study group, REPUBLIC OF KOREA²)

17:10 - 18:00

(Chairperson : Yong Hoon Kim)

52. Effect of second hand smoke exposure on adult health: A cross-sectional study

Young Sik Park¹, Chang-Hoon Lee¹, Yu-Il Kim², Chul Min Ahn³, Ju Ock Kim⁴, Ju-Heon
Park⁵, Sang Haak Lee⁶, Jae Yeol Kim⁷, Eun Mi Chun⁸, Tae-Hoon Jung⁹, Kwang-Ha Yoo¹⁰
(Seoul National University Hospital, REPUBLIC OF KOREA¹, Department of Internal Medicine,
Chonnam National University Hospital, Gwangju, REPUBLIC OF KOREA², Department of
Internal Medicine, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA³,
Department of Internal Medicine, Chungnam National University School of Medicine,
Daejeon, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Ajou University School of
Medicine, Suwon, REPUBLIC OF KOREA⁵, Department of Internal Medicine, The Catholic
University of Korea, College of Medicine, Seoul, REPUBLIC OF KOREA⁶, Department of
Internal Medicine, Chung-Ang University College of Medicine, Seoul, REPUBLIC OF KOREA⁷,
Department of Internal Medicine, Ewha Womans University School of Medicine, Seoul,
REPUBLIC OF KOREA⁸, Chilgok Kyungpook National University School of Medicine, Daegu,
REPUBLIC OF KOREA⁹, Department of Internal Medicine, Konkuk University, Seoul,
REPUBLIC OF KOREA¹⁰)

53. Factors associated with smokers' will for smoking cessation in Korea

Ah Young Leem¹, Chang Hoon Han², Chul Min Ahn³, Tae-Hoon Jung⁴, Yu-Il Kim⁵, Jae Yeol
Kim⁶, Sang Haak Lee⁷, Eun Mi Chun⁸, Kwang-Ha Yoo⁹, Ji Ye Jung¹, Korean smoking
cessation study group¹⁰(Division of Pulmonology, Department of Internal Medicine, Institute
of Chest Disease, Severance Hospital, Yonsei University College of Medicine, Seoul,
REPUBLIC OF KOREA¹, Division of Pulmonology, Department of Internal Medicine, National
Health Insurance Service Ilsan Hospital, Ilsan, Goyang-Si, REPUBLIC OF KOREA²,
Division of Pulmonology, Department of Internal Medicine, Kangnam Severance Hospital,

Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA³, Chilgok Kyungpook National University School of Medicine, Daegu, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Chonnam National University Hospital, Gwangju, REPUBLIC OF KOREA⁵, Department of Internal Medicine, Chung-Ang University College of Medicine, Seoul, REPUBLIC OF KOREA⁶, Department of Internal Medicine, Catholic University of Korea, College of Medicine, Seoul, REPUBLIC OF KOREA⁷, Department of Internal Medicine, Ewha Womans University School of Medicine, REPUBLIC OF KOREA⁸, Department of Internal Medicine, Konkuk University, Seoul, REPUBLIC OF KOREA⁹, Korean smoking cessation study group, REPUBLIC OF KOREA¹⁰)

54. Hazards of smoking in Korean population.

Keu Sung Lee¹, Seungsoo Sheen¹, Ji-Ye Jung^{3,2}, Sang Haak Lee^{4,2}, Yu-Il Kim^{5,2}, Jae Yeol Kim^{6,2}, Eun Mi Chun^{7,2}, Kwang-Ha Yoo^{8,2}, Chul Min Ahn^{3,2}, Tae-Hoon Jung^{9,2}, Joo Hun Park^{1,2} (Department of Pulmonary and Critical Care Medicine, Ajou University School of Medicine, REPUBLIC OF KOREA¹, Korean smoking cessation study group, REPUBLIC OF KOREA², Department of Internal Medicine, Yonsei University College of Medicine, REPUBLIC OF KOREA³, Department of Internal Medicine, The Catholic University of Korea, College of Medicine, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Chonnam National University Hospital, REPUBLIC OF KOREA⁵, Department of Internal Medicine, Chung-Ang University College of Medicine, REPUBLIC OF KOREA⁶, Department of Internal Medicine, Ewha Womans University School of Medicine, REPUBLIC OF KOREA⁷, Department of Internal Medicine, Konkuk University, REPUBLIC OF KOREA⁸, Chilgok Kyungpook National University School of Medicine, REPUBLIC OF KOREA⁹)

55. The Impact of Smoking on Airflow Limitation in Patients with History of Asthma and Inactive Tuberculosis

Hyun Jung Kim¹, Seunghee Baek², Hee Jin Kim³, Jae Seung Lee¹, Yeon-Mok Oh¹, Sang-Do Lee¹, Sei Won Lee¹ (Department of Pulmonary and Critical Care Medicine, and Clinical Research Center for Chronic Obstructive Airway Diseases, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA¹, Department of Clinical Epidemiology and Biostatistics, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA², The Korean Institute of Tuberculosis, Osong, REPUBLIC OF KOREA³)

56. Gender and the Prevalence of COPD in Korean Adult smokers: A Population-based Study

Kyung Soo Chung¹, Joo Han Song¹, Song Yee Kim¹, Eun Young Kim¹, Ji Ye Jung¹, Young Ae Kang¹, Moo Suk Park¹, Se Kyu Kim¹, Joon Chang¹, Young Sam Kim¹ (Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, REPUBLIC OF KOREA¹)

* October 25(Saturday), 2014 *

08:00 - 08:30 등 록

- Grand Ball Room 101-102 (연제 57 - 74, 특강) -

08:30 - 10:10 특강, 일반연제발표

08:30 - 09:20

(Chairperson : Ho Kee Yum)

· 폐혈관연구회 특강

“폐색전증”

- Hun Gyu Hwang(Soonchunhyang University)

· 일반연제 발표

57. Risk Factors Associated with Provoked Pulmonary Embolism

Hyun Jung Kim¹, Endri Gjonbrataj¹, Hye In Jung¹, Won-II Choi¹

(Department of Internal Medicine, Keimyung University School of Medicine, REPUBLIC OF KOREA¹)

58. Central emboli rather than saddle emboli predict adverse outcomes in patients with acute pulmonary embolism

Keum Ju Choi¹, Seung-Ick Cha¹, Seung-Soo Yoo¹, Jaehee Lee¹, Shin-Yup Lee¹, Chang-Ho Kim¹,
Jae-Yong Park¹(Kyungpook National University Hospital, REPUBLIC OF KOREA¹)

09:20 - 10:10

(Chairperson : Joon Chang)

· Korean Study Group of Bronchology and Interventional Pulmonology

“기관지내 종양의 육안적 소견”

- Ho Joong Kim(Sungkyunkwan University)

· 일반연제 발표

59. Value of flexible bronchoscopy in patients with persistent ground glass opacity nodules

Byung Woo Jhun¹, Kyung-Jong Lee¹, Gee Young Suh¹, Man Pyo Chung¹, Hojoong Kim¹,
O Jung Kwon¹, Kyung Soo Lee², Joungho Han³, Sang-Won Um¹(Division of Pulmonary and
Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan
University School of Medicine, Seoul, REPUBLIC OF KOREA¹, Department of Radiology and
Center for Imaging Science, Samsung Medical Center, Sungkyunkwan University School of
Medicine, Seoul, REPUBLIC OF KOREA², Department of Pathology, Samsung Medical
Center, Sungkyunkwan University School of Medicine, Seoul, REPUBLIC OF KOREA³)

60. Clinical impact of early bronchoscopy in mechanically ventilated patients with aspiration pneumonia

Hyun Woo Lee¹, Yeon Joo Lee¹, Se Joong Kim¹, Jong Sun Park¹, Ho Il Yoon¹, Jae-Ho
Lee¹, Choon-Taek Lee¹, Young-Jae Cho¹(Division of Pulmonary and Critical Care Medicine,
Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam-Si,
Gyeonggi-Do, REPUBLIC OF KOREA¹)

10:10 – 10:30 Coffee Break

10:30 – 10:50

(Chairperson : Ho Joong Kim)

· 일반연제 발표

61. The Role of Routine AFB Culture and MTB PCR during EBUS–TBNA in Intermediate Tuberculosis Prevalence Country

Hae Ri Chon¹, Won Jung Koh¹, Gee Young Suh¹, Man Pyo Chung¹, Hojoong Kim¹, O Jung Kwon¹, Sang–Won Um¹(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA¹)

62. High Flow Nasal Oxygen therapy in patients undergoing Endobronchial ultrasound–guided transbronchial needle aspiration(EBUS–TBNA)

Jisoo Park^{1,2}, Jinsoo Min^{1,2}, Sejoong Kim^{1,2}, Yeon Joo Lee^{1,2}, Jong Sun Park^{1,2}, Ho Il Yoon^{1,2}, Jae Ho Lee^{1,2}, Choon–Taek Lee^{1,2}, Young–Jae Cho^{1,2}(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam–Si, Gyeonggi–Do, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

13:10 – 13:50 특강, 일반연제발표

13:10 – 13:50

(Chairperson : Jae Yong Park)

· Molecular Lung Cancer Study Group

“Tumor heterogeneity”

– Sang Won Um(Sungkyunkwan University)

· 일반연제 발표

63. Aspirin, NSAID, and Statins and Risk of Lung Cancer: A Gene by Drug Interaction Analysis

Eunmi Chun¹, MiSun Lee², Kofi Asomaning³, Rebecca Heist⁴, Lii Su², David C Christiani² (Ewha Womans University Mokdong Hospital, REPUBLIC OF KOREA¹, Environmental and Occupational Medicine and Epidemiology Program, Department of Environmental Health, Harvard School of Public Health, REPUBLIC OF KOREA², Pfizer Corporation, REPUBLIC OF KOREA³, Massachusetts General Hospital and Harvard Medical School, REPUBLIC OF KOREA⁴)

13:50 – 14:30

(Chairperson : Dong Ho Shin)

64. Macroautophagy activation via Nrf2–dependent up–regulation of LC3B limits proteasome inhibitor (PI)–induced lung cancer cell death by inducing IκBα degradation.

Jiyeong Jeong^{1,2}, Kyoung–Hee Lee^{1,2}, Chang–Hoon Lee^{1,2}, Chul–Gyu Yoo^{1,2} (Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

65. Inhibition of Autophagy Potentiates Apoptotic Cell Death of Pemetrexed and Simvastatin in

Malignant Mesothelioma and Lung Cancer

Ki-Eun Hwang¹, Hak-Ryul Kim¹, Eun-Taik Jeong¹

(Department of Internal Medicine, Wonkwang University School of Medicine, REPUBLIC OF KOREA¹)

66. Down-regulated SIRT1 by Non-steroidal Anti-inflammatory Drugs is to Inhibit TGF- β 1-induced Epithelial-mesenchymal Transition and to Suppress Migration and Invasion in Lung Cancer

Hak-Ryul Kim¹, Ki-Eun Hwang¹, Eun-Taik Jeong¹(Department of Internal Medicine, Wonkwang University School of Medicine, REPUBLIC OF KOREA¹)

67. Chemopreventive effect of phosphodiesterase-4 inhibition in benzo(a)pyrene-induced murine lung cancer model

Chang Dong Yeo¹, Jin Woo Kim¹, Sang Haak Lee¹, Seung Joon Kim¹, Young Kyoon Kim¹
(Division of Pulmonology, Department of Internal Medicine, School of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA¹)

14:30 - 14:50 Coffee Break

14:50 - 16:00 일반연제발표

14:50 - 15:30

(Chairperson : Eun Taik Jeong)

68. The High Delta Ct Value of EGFR Exon 19 Deletion by PNA-Mediated PCR Clamping can Predict Longer Progression-free Survival

In-Jae Oh¹, Hong-Jun Shin¹, Chul-Kyu Park¹, Bo-Ram Lee¹, Hee-Jung Ban¹, Yong-Soo Kwon¹, Kyu-Sik Kim¹, Yu-Il Kim¹, Sung-Chul Lim¹, Young-Chul Kim¹, Yoo-Duk Choi²
(Department of Internal Medicine, Chonnam National University Medical School, REPUBLIC OF KOREA¹, Department of Pathology, Chonnam National University Medical School, REPUBLIC OF KOREA²)

69. Peroxiredoxin 4 as an independent prognostic marker for survival in patients with early-stage lung squamous cell carcinoma

Ji An Hwang¹, Joon Seon Song², Dae-Yeul Yu³, Jae Cheol Lee⁴, Hyeong Ryul Kim⁵, Hye Jin Park², Young Soo Park², Woo Sung Kim¹, Chang-Min Choi¹(Department of Pulmonary and Critical Care Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA¹, Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA², Disease Model Research Laboratory, Aging Research Center, Korea Research Institute of Bioscience and Biotechnology, Daejeon, REPUBLIC OF KOREA³, Department of Oncology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA⁴, Department of Thoracic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, REPUBLIC OF KOREA⁵)

70. Clinical correlation between EGFR, KRAS and ALK gene mutation frequency and GOLD stages in Non-small-cell Lung Cancer Patients with chronic obstructive pulmonary disease.

Jeong Uk Lim¹, Chang Dong Yeo¹, Sung-Kyoung Kim¹, Chan Kwon Park¹, Tae-Jung Kim², Ju Sang Kim¹, Yong Hyun Kim¹, Seung Joon Kim¹, Sang Haak Lee¹, Hyong-Kyu Yoon¹, Young Kyoon Kim¹, Chin Kook Rhee¹(Division of Pulmonology, Department of Internal Medicine, College of Medicine, Catholic University of Korea, Seoul, REPUBLIC OF KOREA¹, Department of Hospital Pathology, College of Medicine, Catholic University of Korea, Seoul, REPUBLIC

OF KOREA²)

- 71. Serum S100B protein as marker for detection and prediction of brain metastasis in lung cancer**
Jongmin Lee¹, Hye In Lee¹, In Kyoung Kim¹, Hyeon Hui Kang¹, Seung Joon Kim², Hwa Sik Moon¹, Sang Haak Lee¹(Division of Pulmonology, Department of Internal Medicine, St. Paul's Hospital, The College of Medicine, The Catholic University of Korea, Seoul, REPUBLIC OF KOREA¹, Division of Pulmonology, Department of Internal Medicine, Seoul St. Mary's Hospital, The College of Medicine, The Catholic University of Korea, Seoul, REPUBLIC OF KOREA²)

15:30 - 16:00

(Chairperson : Ju Ock Kim)

- 72. A randomized phase III study of docetaxel plus cisplatin versus pemetrexed plus cisplatin in first line non-squamous Non-Small Cell Lung cancer (NSq-NSCLC)**

Young Chul Kim¹, In-Jae Oh¹, Kyu-Sik Kim¹, Tae-Won Jang², Yoo Duk Choi¹, Youn Seup Kim³, Kwan-Ho Lee⁴, Kyung-Chul Shin⁴, Chi Young Jung⁵, Sei-Hoon Yang⁶, Seung-Hun Jang⁷, Jeong-Seon Ryu⁸, Seung-Soo Yoo⁹, Suk-Joong Yong¹⁰, Kye-Young Lee¹¹, Kwang-Ho In¹², Min-Ki Lee¹³(Chonnam National University Hwasun Hospital, REPUBLIC OF KOREA¹, Kosin University, REPUBLIC OF KOREA², Dankook University, REPUBLIC OF KOREA³, Yeungnam University, REPUBLIC OF KOREA⁴, Keimyung University, REPUBLIC OF KOREA⁵, Wonkwang University, REPUBLIC OF KOREA⁶, Hallym University, REPUBLIC OF KOREA⁷, Inha University, REPUBLIC OF KOREA⁸, Kyungpook National University, REPUBLIC OF KOREA⁹, Yonsei University, REPUBLIC OF KOREA¹⁰, Konkuk University, REPUBLIC OF KOREA¹¹, Korea University, REPUBLIC OF KOREA¹², Pusan National University, REPUBLIC OF KOREA¹³)

- 73. Surgical Resection of Nodular Ground-Glass Opacities without Percutaneous Needle Aspiration or Biopsy**

Jaeyoung Cho^{1,2}, Sung-Jun Ko^{1,2}, Se Joong Kim^{1,2}, Yeon Joo Lee^{1,2}, Jong Sun Park^{1,2}, Young-Jae Cho^{1,2}, Ho Il Yoon^{1,2}, Sukki Cho^{3,4}, Kwghanmien Kim^{3,4}, Sanghoon Jheon^{3,4}, Jae Ho Lee^{1,2}, Choon-Taek Lee^{1,2}(Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA¹, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA², Department of Thoracic and Cardiovascular Surgery, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA³, Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA⁴)

- 74. Factors associated with improved pulmonary function in non-small cell lung cancer patients after video-assisted thoracic surgery**

Se Joong Kim¹, Jinsoo Min¹, Jisoo Park¹, Yeon Joo Lee¹, Jong Sun Park¹, Young-Jae Cho¹, Ho Il Yoon¹, Jae Ho Lee¹, Choon-Taek Lee¹
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Gyeonggi-do, REPUBLIC OF KOREA¹)

- Grand Ball Room 103 (연제 75 - 94, 연구회 특강) -

08:30 - 10:10 연구회 특강, 일반연제발표

08:30 – 09:20

(Chairperson : Yang Keun Rhee)

· 천식연구회 특강

“2014 천식 가이드라인”

– Yong Beom Park(Hallym University)

· 일반연제 발표

75. NLRP3 inflammasome is regulated by phosphoinositide 3-kinase δ isoform in *Aspergillus fumigatus*-induced severe allergic inflammation of mice

Yong Chul Lee¹, So Ri Kim¹, Yun Hee Ko¹, Soon Ha Kim², Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹(Chonbuk National University Hospital, REPUBLIC OF KOREA¹, LG Life Sciences Ltd., REPUBLIC OF KOREA²)

76. Endoplasmic reticulum stress is implicated in the development of allergic airway remodeling via the induction of VEGF expression

Yong Chul Lee¹, So Ri Kim¹, Yun Hee Ko¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹
(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

09:20 – 10:10

(Chairperson : Byoung Whui Choi)

77. Recurrent exacerbation of asthma: characteristics of the patients and risk factors

Tae-Hyung Kim¹, Yeon-mok Oh², Kwang Ha Yoo³, Ji-Hyun Lee⁴
(Hanyang University Guri Hospital, Hanyang University College of Medicine, REPUBLIC OF KOREA¹, Asan Medical Center, University of Ulsan College of Medicine, REPUBLIC OF KOREA², Konkuk University Hospital, Konkuk University School of Medicine, REPUBLIC OF KOREA³, CHA Bundang Medical Center, CHA University, REPUBLIC OF KOREA⁴)

78. Effect of Roflumilast on Airway Remodeling in a Murine Model of Chronic Asthma

Sei Won Kim¹, Chin Kook Rhee², Hea Yon Lee², Hwa Young Lee², Ji Young Kang², Sook Young Lee², Young Kyoon Kim², Soon Suk Kwon³, Hyoung Kyu Yoon¹(Department of Internal Medicine, Yeouido St. Mary's Hospital, College of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA², Department of Internal Medicine, Bucheon St. Mary's Hospital, College of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA³)

79. Associations of Obesity with Asthma and Atopy in Korean adults

Ji-Yong Moon¹, Sang-Heon Kim¹, Ji Young Yhi¹, Dong Won Park¹, Hyun Jung Kwak¹, Tae Hyung Kim¹, Jang Won Sohn¹, Dong Ho Shin¹, Sung Soo Park¹, Ho Joo Yoon¹
(Department of Internal Medicine, Hanyang University College of Medicine, Seoul, Korea, REPUBLIC OF KOREA¹)

80. Acute exacerbations in subjects with asthma vs asthma combined with COPD feature

Hea Yon Lee¹, Hwa Young Lee¹, Ji Young Kang¹, Seung Joon Kim¹, Seok Chan Kim¹, Sook Young Lee¹, Young Kyoon Kim¹, Chin Kook Rhee¹(Division of Respiratory Medicine, Department of Internal Medicine, College of Medicine, Catholic University of Korea, Seoul, Korea, REPUBLIC OF KOREA¹)

81. IGFBP-3 inhibits endoplasmic reticulum stress in severe neutrophilic bronchial asthma

So Ri Kim¹, Yong Chul Lee¹, Dong Im Kim¹, Kyung Bae Lee¹, Yang Keun Rhee¹, Heung

Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹
(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

10:10 – 10:30 Coffee Break

10:30 – 10:50

(Chairperson : Kwan Hyoung Kim)

82. The role of mitochondrial fusion in the pathogenesis of Aspergillus fumigatus-induced allergic asthma

Yong Chul Lee¹, So Ri Kim¹, Yun Hee Ko¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹

(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

83. Activation of phosphoinositide 3-kinase δ pathway contributes to Aspergillus fumigatus-induced severe allergic asthmatic inflammation via the regulation of ER stress in mice

Yong Chul Lee¹, So Ri Kim¹, Yun Hee Ko¹, Soon Ha Kim², Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹, Jae Seok Jeong¹

(Chonbuk National University Hospital, REPUBLIC OF KOREA¹, LG Life Sciences Ltd., REPUBLIC OF KOREA²)

13:10 – 13:50 연구회 특강, 일반연제 발표

13:10 – 13:50

(Chairperson : Soo Jeon Choi)

· The Korean Study Group for Sleep Disordered Breathing

“Sleep Breathing Disorder and Cancer”

– Se Joong Kim(Seoul National University Hospital)

· 일반연제 발표

84. Prevalence and clinical characteristics of obstructive sleep apnea in Korean women population

Hyeon Hui Kang¹, Jongmin Lee¹, Sang Haak Lee¹, Hwa Sik Moon¹(St. Paul's Hospital, College Of Medicine, The Catholic University Of Korea, REPUBLIC OF KOREA¹)

13:50 – 14:30

(Chairperson : Hee Soon Chung)

85. Correlation with Handgrip Strength in Chronic Obstructive Lung Disease and the Systemic Inflammatory Biomarkers

Eun Na Cho¹, Yoon Soo Chang¹, Hyung Jung Kim¹, Chul Min Ahn¹, Min Kwang Byun¹
(Gangnam Severance Hospital, REPUBLIC OF KOREA¹)

86. Clinical characteristics and effects of depression in Korean chronic obstructive pulmonary disease patients

Sei Won Kim¹, Tae Eun Kim², Kwang Ha Yoo², Chin Kook Rhee⁴, Jin Hwa Lee³, Ki Suck Jung⁵, Yong Bum Park⁶, Yong Il Hwang⁵, Kyeong Cheol Shin⁷, Tae Hyung Kim⁸, Hyoung Kyu Yoon¹(Department of Internal Medicine, Yeouido St. Mary's Hospital, The Catholic

University Of Korea, REPUBLIC OF KOREA¹, Department of Internal Medicine, Konkuk University College of Medicine, REPUBLIC OF KOREA², Department of Internal Medicine, Ewha Womans University, Seoul, REPUBLIC OF KOREA³, Department of Internal Medicine, Seoul St. Mary's Hospital, The Catholic University Of Korea, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Hallym University Sacred Heart Hospital, Anyang, REPUBLIC OF KOREA⁵, Department of Internal Medicine, Kang-Dong Sacred Heart Hospital, Hallym University College of Medicine, Seoul, REPUBLIC OF KOREA⁶, Department of Internal Medicine, Yeungnam University, Daegu, REPUBLIC OF KOREA⁷, Hanyang University College of Medicine, Seoul, REPUBLIC OF KOREA⁸)

87. Plasma adiponectin/leptin Ratio and chronic obstructive pulmonary disease progression (KOLD Study Group)

Hye Yun Park¹, Byeong-Ho Jeong¹, Won-Jung Koh¹, Eun Kyung Kim², Seong Yong Lim³, Ji-Hyun Lee², Yeon-Mok Oh⁴, Sang-Do Lee⁴(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA¹, Department of Internal Medicine, Bundang CHA Medical Center, CHA University College of Medicine, REPUBLIC OF KOREA², Department of Medicine, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA³, Department of Pulmonary and Critical Care Medicine, Clinical Research Center for Chronic Obstructive Airway Diseases, Asan Medical Center, University of Ulsan College of Medicine, REPUBLIC OF KOREA⁴)

88. A Relationship Between Vitamin D Receptor Gene BsmI, TaqI, Apal and FokI Polymorphisms and Bone Mineral Density in COPD patients

Sei Won Kim¹, Jong Min Lee², Jick Hwan Ha⁵, Hyeon Hui Kang², Chin Kook Rhee³, Jin Woo Kim⁴, Hwa Sik Moon², Sang Haak Lee²(Department of Internal Medicine, Yeouido St. Mary's Hospital, The Catholic University Of Korea, REPUBLIC OF KOREA¹, Department of Internal Medicine, St. Paul's Hospital, The Catholic University of Korea, REPUBLIC OF KOREA², Department of Internal Medicine, Seoul St. Mary's Hospital, The Catholic University Of Korea, REPUBLIC OF KOREA³, Department of Internal Medicine, Uijeongbu St. Mary's Hospital, The Catholic University of Korea, REPUBLIC OF KOREA⁴, Department of Internal Medicine, Samsung Medical Center, Sungkyunkwan University, REPUBLIC OF KOREA⁵)

14:30 – 14:50 Coffee Break

14:50 – 15:30

(Chairperson : Ki Suck Jung)

89. Clinical heterogeneity of Asthma-COPD overlap syndrome

Ji-Hyun Lee¹, Eun-Kyung Kim¹, Mi-Ae Kim², Tae-Hyung Kim³, Jung Hyun Chang⁴, Yon Ju Ryu⁴, Seo Woo Kim⁴, Sei Won Lee⁵, Yeon-Mok Oh⁵, Suk Joong Yong⁶, Won-Il Choi⁷, Kwang Ha Yoo⁸(Department of Pulmonary and Critical Care Medicine, CHA Bundang Medical Center, CHA University, REPUBLIC OF KOREA¹, Department of Allergy and Clinical Immunology, CHA Bundang Medical Center, CHA University, REPUBLIC OF KOREA², Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Hanyang University Guri Hospital, REPUBLIC OF KOREA³, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Ewha Womans University College of Medicine, REPUBLIC OF KOREA⁴, Department of Pulmonary and Critical Care Medicine, Asan Medical

Center, University of Ulsan College of Medicine, REPUBLIC OF KOREA⁵, Department of Internal Medicine, Wonju Severance Christian Hospital, Wonju College of Medicine, Yonsei University, REPUBLIC OF KOREA⁶, Dongsan Hospital, Keimyung University School of Medicine, REPUBLIC OF KOREA⁷, Department of Pulmonary and Critical Care Medicine, Konkuk University School of Medicine, REPUBLIC OF KOREA⁸)

90. Emphysema is a risk factor for severe pneumonia in patients with chronic obstructive pulmonary disease

Won Jun Song¹, Jung Seop Eom², Hongseok Yoo¹, Byeong-Ho Jeong¹, Ho Yun Lee³, Won-Jung Koh¹, Kyeongman Jeon¹, Hye Yun Park¹(Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA¹, Department of Internal Medicine, Pusan National University School of Medicine, REPUBLIC OF KOREA², Department of Radiology and Center for Imaging Science, Samsung Medical Center, Sungkyunkwan University School of Medicine, REPUBLIC OF KOREA³)

91. Impact of GOLD Subgroups of COPD on Postoperative Complications

Hyung Jun Kim¹, Jinwoo Lee¹, Young Sik Park¹, Chang-Hoon Lee¹, Sang-Min Lee¹, Jae-Joon Yim¹, Chul-Gyu Yoo¹, Young Whan Kim¹, Sung Koo Han¹, Sun Mi Choi¹
(Seoul National University Hospital, REPUBLIC OF KOREA¹)

15:30 - 16:00

(Chairperson : Hyung Jung Kim)

92. Clinical Characteristics of Patients with Bronchiectasis

Chan Kwon Park¹, Soon Seog Kwon², Joong Hyun Ahn³, Chi Hong Kim⁴, Sook Young Lee⁵, Sang Hak Lee⁶, Seung Su Kim⁷, Chin Kook Rhee⁵, Hyoung Kyu Yoon¹
(The Catholic University Of Korea, Yeouido St. Mary's Hospital, REPUBLIC OF KOREA¹, The Catholic University of Korea, Bucheon St. Mary's Hospital, REPUBLIC OF KOREA², University of Korea, Incheon St. Mary's Hospital, REPUBLIC OF KOREA³, University of Korea, St. Vincent's Hospital, REPUBLIC OF KOREA⁴, University of Korea, Seoul St. Mary's Hospital, REPUBLIC OF KOREA⁵, University of Korea, St. Paul's Hospital, REPUBLIC OF KOREA⁶, University of Korea, Daejeon St. Mary's Hospital, REPUBLIC OF KOREA⁷)

93. Microbiology of parapneumonic effusion and predictive factors for mortality in South Korea

Cheolkyu Park¹, Yongsoo Kwon¹, Hongjoon Shin¹, Boram Lee¹, Heejung Ban¹, Injae Oh¹, Kyusik Kim¹, Yuil Kim¹, Sungchul Lim¹, Youngchul Kim¹
(Chonnam National University Hospital, REPUBLIC OF KOREA¹)

94. Risk factors and outcome of primary graft dysfunction after lung transplantation in Korea

Sung Woo Moon¹, Ji Ye Jung¹, Young Ae Kang¹, Moo Suk Park¹, Young Sam Kim¹, Se Kyu Kim¹, Joon Chang¹, Hyo Chae Park², Chang Young Lee², Song Yee Kim¹
(Division of Pulmonology, Department of Internal Medicine, Severance Hospital, Institute of Chest Diseases, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA¹, Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, REPUBLIC OF KOREA²)

- Grand Ball Room 104-105 (연제 95 - 118, 연구회 특강) -

08:30 - 10:10 연구회 특강, 일반연제발표

08:30 – 09:20

(Chairperson : Youn Suck Koh)

- Korean ExtraCorporeal Lung Support

“Past, present and future of ECMO”

– Sang Bum Hong(Ulsan University Hospital)

- 일반연제 발표

95. Unplanned Extubation in Mechanically Ventilated Patients in the Medical Intensive Care Unit: Experience in a Single Tertiary Hospital

Tae Won Lee¹, Ho Cheol Kim¹, Young Sil Hwang¹, Jong Deog Lee¹, Yi Yeong Jeong¹, Yu Ji Cho¹, Seung Jun Lee¹, Seung Hun Lee¹, Sunmi Ju¹, Jeong Woo Hong¹
(Gyeongsang National University Hospital, REPUBLIC OF KOREA¹)

96. Utility of high-flow nasal cannula oxygen therapy for acute respiratory failure in patients with hematologic malignancies: A retrospective study in a single center

Hwa Young Lee¹, Hea Yon Lee¹, Ji Young Kang¹, Seung Joon Kim¹, Young Kyoon Kim¹, Sook Young Lee¹, Seok Chan Kim¹, Chin Kook Rhee¹(Division of Respiratory, Allergy and Critical care, The Catholic University Of Korea, Seoul St. Mary's Hospital, REPUBLIC OF KOREA¹)

09:20 – 10:10

(Chairperson : Se Kyu Kim)

97. The clinical value of neutrophil extracellular traps in pneumonia sepsis

So Young Park¹, Chang-Won Hong², Changhwan Kim¹, Young Bum Park¹, Dong-Keun Song², Eun Kyung Mo¹, Ki Suck Jung³, Lung research institute of Hallym university⁴
(Division of Pulmonary, Allergy and Critical Care Medicine, Department of internal medicine, Kangdong sacred heart hospital, Hallym University Kangdong Sacred Heart Hospital, REPUBLIC OF KOREA¹, Department of Pharmacology, Institute of Natural Medicine, Infectious Diseases Medical Research Center, Hallym University College of Medicine, REPUBLIC OF KOREA², Division of Pulmonary, Allergy and Critical Care Medicine, Department of Medicine, Hallym University Sacred Heart Hospital, Hallym University Medical School, REPUBLIC OF KOREA³, Lung research center, Hallym University, REPUBLIC OF KOREA⁴)

98. Diagnostic and prognostic value of serum activin-A in the management of sepsis in the intensive care unit

Jung-Kyu Lee¹, Hee-Jung Choi¹, Sun Mi Choi¹, Jinwoo Lee¹, Young Sik Park¹, Chang Hoon Lee¹, Jae-Joon Yim¹, Chul-Gyu Yoo¹, Young Whan Kim¹, Sung Koo Han¹, Sang-Min Lee¹
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, REPUBLIC OF KOREA¹)

99. Diagnostic Role and Safety of Surgical Lung Biopsy in Patients with Acute Respiratory Distress Syndrome (ARDS)

Jimyung Park^{1,4}, Yeon Joo Lee^{2,4}, Jinwoo Lee^{1,4}, Sung Soo Park^{3,4}, Young-Jae Cho^{2,4}, Sang-Min Lee^{1,4}, Young Whan Kim^{1,4}, Sung Koo Han^{1,4}, Chul-Gyu Yoo^{1,4}
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang

Hospital, Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA², Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Seoul, REPUBLIC OF KOREA³, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA⁴)

100. Prevalence of Multi-drug Resistant Organism Colonization with Pulmonary Tuberculosis in Critically ill Patients

Eun Sun Kim¹, Eun Young Heo², Deog Kyeom Kim², Hee Soon Chung², Sung Soo Park²
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Seoul, REPUBLIC OF KOREA²)

101. Comparison of clinical outcomes between patients initiated with peramivir and those with osteltamivir hospitalized to intensive care unit due to severe influenza infection

Jung-Wan Yoo¹, Sang-Ho Choi², Jin Won Huh¹, Chae-Man Lim¹, Younsuck Koh¹, Sang-Bum Hong¹(Department of Pulmonary and Critical Care Medicine, Asan Medical Center, REPUBLIC OF KOREA¹, Department of Infectious Diseases, Asan Medical Center, REPUBLIC OF KOREA²)

10:10 – 10:30 Coffee Break

10:30 – 10:50

(Chairperson : Young Kyoon Kim)

102. Factors Influencing Medical ICU admission of elderly patients

Junghyun Kim^{1,2}, Sun Mi Choi^{1,2}, Young Sik Park^{1,2}, Chang-Hoon Lee^{1,2}, Sang-Min Lee^{1,2}, Jae-Joon Yim^{1,2}, Chul-Gyu Yoo^{1,2}, Young Whan Kim^{1,2}, Sung Koo Han^{1,2}, Jin-Woo Lee^{1,2}
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, Republic of Korea, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea, REPUBLIC OF KOREA²)

103. Clinical characteristics and outcomes of very elderly critically ill patients in a medical intensive care unit of a single tertiary hospital in Korea

Seung Hun Lee¹, Tae Won Lee¹, Wan Chul Kim¹, Sunmi Ju¹, Seung Jun Lee¹, Yu Ju Cho¹, Yi Yeong Jeong¹, Jong Doeg Lee¹, Young Sil Hwang¹, Ho Cheol Kim¹
(Gyeongsang National University Hospital, REPUBLIC OF KOREA¹)

13:10 – 13:50 일반연제발표

13:10 – 13:50

(Chairperson : Kwang Ho In)

· 일반연제 발표

104. The amount of visceral adipose tissue quantitatively measured by abdominal computed tomography is dose-dependently associated with mortality in patients with sepsis in intensive care unit.

Sung-Jun Ko¹, Sun Mi Choi¹, Jinwoo Lee¹, Young Sik Park¹, Chang-Hoon Lee¹, Jae-Joon Yim¹, Chul-Gyu Yoo¹, Young Whan Kim¹, Sung Koo Han¹, Sang-Min Lee¹
(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, REPUBLIC OF KOREA¹)

105. Body mass index as a predictor of acute kidney injury in critically ill patients

Sunmi Ju¹, Tae Won Lee¹, Wan Chul Kim¹, Seung Hun Lee¹, Seung Jun Lee¹, Yu Ji Cho¹, Yi Yeong Jeong¹, Jong Deog Lee¹, Young Sil Hwang¹, Ho Cheol Kim¹
(Division Pulmonology and Allergy, Department of Internal Medicine, Gyeongsang National University Hospital, Jinju, REPUBLIC OF KOREA¹)

106. Who dies after ICU discharge? Prognostic factors for in-hospital mortality of ICU survivors.

Jungsil Lee^{1,2}, Young-Jae Cho^{1,2}, Se Joong Kim^{1,2}, Ho Il Yoon^{1,2}, Jong Sun Park^{1,2}, Choon-Taek Lee^{1,2}, Jae Ho Lee^{1,2}, Jinsoo Min^{1,2}, Jisoo Park^{1,2}, Yeon Joo Lee^{1,2}
(Department of Internal Medicine, Seoul National University College of Medicine, REPUBLIC OF KOREA¹, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital, REPUBLIC OF KOREA²)

107. Prognostic factors in patients requiring prolonged acute mechanical ventilation

Sang Hee Lee¹, Min Ji Kim¹, Eun jung Jo¹, Jung Seop Eom¹, Jeong Ha Mok¹, Mi Hyun Kim¹, Ki Uk Kim¹, Hye-Kyung Park¹, Min Ki Lee¹, Kwangha Lee¹
(Pusan National University Hospital, REPUBLIC OF KOREA¹)

13:50 – 14:30

(Chairperson : Chul Gyu Yoo)

108. Infections during Extracorporeal Membrane Oxygenation Use in Adult Patients

Dong Wan Kim¹, Woo Hyun Cho¹, Yun Seong Kim¹, Doo Soo Jeon¹, Do Hyung Kim¹, Bong Soo Son¹(Pusan National University YangSan Hospital, REPUBLIC OF KOREA¹)

109. Lung transplantation in patients with acute vs. chronic respiratory failure with extracorporeal membrane oxygenator.

Dong Hyun Lee¹, Sang Oh Lee², Tae Sun Shim¹, Sae Hoon Choi³, Hyung Ryul Kim³, Yong Hee Kim³, Dong Kwan Kim³, Seung Il Park³, Sang-Bum Hong¹
(Department of Pulmonary and Critical Care Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, REPUBLIC OF KOREA¹, Department of Infectious Disease, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, REPUBLIC OF KOREA², Department of Chest Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, REPUBLIC OF KOREA³)

110. Comparison of Clinical Outcomes between Conventional and Conservative Anticoagulation Strategy for Extracorporeal Membrane Oxygenation in Adults: a Single-center Experiences

Hye Ju Yeo¹, Dong Wan Kim¹, Seong Hoon Yoon¹, Seung Eun Lee¹, Woo Hyun Cho¹, Bong Soo Son¹, Do Hyung Kim¹, Doo Soo Jeon¹, Yun Seong Kim¹
(Pusan National University YangSan Hospital, REPUBLIC OF KOREA¹)

111. The Effects of Dexmedetomidine for Sleep in Critically Ill Patients: Pilot Study

Se Joong Kim¹, Jinsoo Min¹, Jisoo Park¹, Yeon Joo Lee¹, Jong Sun Park¹, Ho Il Yoon¹, Jae Ho Lee¹, Choon-Taek Lee¹, Young-Jae Cho¹(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Gyeonggi-do, Republic of K, REPUBLIC OF KOREA¹)

14:30 – 14:50 Coffee Break

14:50 – 15:30

(Chairperson : Choon Taek Lee)

112. Phosphoinositide 3-kinase δ pathway is related to the generation of mitochondrial ROS and NLRP3 inflammasome in house dust mite-induced asthma

So Ri Kim¹, Yong Chul Lee¹, Kyung Bae Lee¹, Dong Im Kim¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹

(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

113. Neutrophil Elastase Inhibition Contributes to Attenuation of Lipopolysaccharide-Induced Acute Lung Injury During Neutropenia Recovery in Mice

Jongmin Lee¹, Chang Dong Yeo², Sang Haak Lee¹, Jin Woo Kim²(Division of Pulmonology, Department of Internal Medicine, St. Paul's Hospital, The College of Medicine, The Catholic University of Korea, Seoul, REPUBLIC OF KOREA¹, Division of Pulmonology,

Department of Internal Medicine, Uijeongbu St. Mary's Hospital, The College of Medicine, The Catholic University of Korea, Seoul, REPUBLIC OF KOREA²)

114. Chronic intermittent hypoxia accelerates hepatic inflammation through TLR4 signaling in diet induced obesity

Hyeon Hui Kang¹, In Kyoung Kim¹, Hye In Lee¹, Jongmin Lee¹, Sang Haak Lee¹, Hwa Sik Moon¹(St. Paul's Hospital, College of Medicine, The Catholic University of Korea, REPUBLIC OF KOREA¹)

115. The interplay between mitochondrial ROS and SIRT1 in LPS-induced lung injury of mice

Yong Chul Lee¹, So Ri Kim¹, Hee Jung Kim¹, Yang Keun Rhee¹, Heung Bum Lee¹, Seoung Ju Park¹, Yeong Hun Choe¹, Seung Yong Park¹

(Chonbuk National University Hospital, REPUBLIC OF KOREA¹)

15:30 – 16:00

(Chairperson : Jin Hong Chung)

116. Response of interleukin-33 to cigarette smoke extract in BEAS-2B cells.

Chin Kook Rhee¹, Hyung Kyu Yoon²

(The Catholic University of Korea, Seoul St. Mary's Hospital, REPUBLIC OF KOREA¹, The Catholic University of Korea, Yeouido St. Mary's Hospital, REPUBLIC OF KOREA²)

117. Neutrophil elastase suppresses cigarette smoke extract-induced activation of anti-oxidative pathway by Nrf2 down-regulation in normal human bronchial epithelial cells

Tae Yun Park^{1,2}, Kyoung-Hee Lee^{1,2}, Jiyeong Jeong^{1,2}, Chang-Hoon Lee^{1,2}, Chul-Gyu Yoo^{1,2}

(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)

118. Cigarette smoke extract enhances IL-17A-induced IL-8 production in Normal human bronchial epithelial cells, which is mediated in part by up-regulation of IL-17RA and IL-17RC

Eun Sun Kim^{1,2}, Kyoung-Hee Lee¹, Jiyeong Jeong¹, Chang-Hoon Lee^{1,2}, Chul-Gyu Yoo^{1,2}

(Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Hospital, Seoul, REPUBLIC OF KOREA¹, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, REPUBLIC OF KOREA²)