



Special Issue: Chest Imaging 2021

Reviewing over the journals published every month from the world on topics in chest imaging, we may feel like more than 60 % of the articles are dealing with COVID-19 issue, the most pressing threat to human life and social activities in the world. As of the beginning of December 2020, EJR Open has already published 8 articles on COVID-19 pneumonia and one article in mammography for the second wave of COVID-19. However, it is probably also important to continue to work on diverse research activities broadly including topics outside of COVID-19. One thing seems to be clear to all of us is the fact that the year 2020 will be remembered in history as an epoch-making year, when the human life has drastically and irreversibly changed, even with postponing the Olympic Games since 1916 (Berlin), 1940 (Tokyo/Helsinki), and 1944 (London).

In this Special Issue for Chest Imaging 2021, 4 review articles and 7 original articles have been contributed. Dr. Yoo and Professor Kyung Soo Lee at Samsung Medical Center and Sungkyunkwan University contributed the review article on Connective Tissue Disease Related Lung Disease (CTL-ILD), very hot and evolving topic in pulmonary medicine [1]. Dr. Barile at University of Massachusetts contributed the review article on Pulmonary Edema, the most common diffuse lung disease entity in our daily practice of Radiology [2]. Dr. Hammer at Brigham and Women's Hospital and Harvard Medical School contributed the review article on Subsolid Pulmonary Nodules, the hottest topic on pulmonary nodules [3]. Dr. Araki now at University of Pennsylvania contributed the review article on Populational CT-based Phenotyping in the lungs and mediastinum from Framingham Heart Study [4].

Two scientific articles have been contributed by Dr. Sumikawa and Dr. Egashira on the topic of Pleuroparenchymal Fibroelastosis, a relatively new entity of Idiopathic Interstitial Pneumonias (IIPs) [5,6]. Dr. Barile contributed a scientific article on CT quantification of pulmonary edema [7]. Professor Uetani and Professor Niki at Japan Synchrotron Radiation Research Institute and Tokushima University reported on synchrotron radiation micro-CT visualization of secondary pulmonary lobule [8]. Dr. Hino at Brigham and Women's Hospital reported on a new technique of measuring lung areas using dynamic x-ray (DXR) [9]. Dr. Murota reported on Influenza H1N1 pneumonia, another important pneumonia caused by RNA virus [10]. Dr. Shashi and Dr. Gerbaudo reported on the importance of FDG-PET/CT in the management of esophageal cancer at the boundary of chest and GI imaging [11].

I strongly wish this Special Issue serves to expand your scope of Thoracic Imaging at the beginning of the year 2021.

References

- [1] Yoo H., Lee K.S. et al. Connective tissue disease-related interstitial lung disease (CTD-ILD) and interstitial lung abnormality (ILA): Evolving Concept of CT Findings, Pathology and Management. Article 100311.
- [2] M. Barile, Pulmonary edema: a pictorial review of imaging manifestations and current understanding of mechanisms of disease, *Eur. J. Radiol. Open* 7 (October (30)) (2020) 100274, <https://doi.org/10.1016/j.ejro.2020.100274>, eCollection 2020.PMID: 33163585.
- [3] M.M. Hammer, H. Hatabu, Subsolid pulmonary nodules: controversy and perspective, *Eur. J. Radiol. Open* 7 (September (4)) (2020) 100267, <https://doi.org/10.1016/j.ejro.2020.100267>, eCollection 2020.PMID: 32944597.
- [4] T. Araki, G.R. Washko, M.L. Schiebler, G.T. O'Connor, H. Hatabu, The Framingham Heart Study: populational CT-based phenotyping in the lungs and mediastinum, *Eur. J. Radiol. Open* 7 (September (11)) (2020) 100260, <https://doi.org/10.1016/j.ejro.2020.100260>, eCollection 2020.PMID: 32984450.
- [5] H. Sumikawa, et al., Pleuroparenchymal fibroelastosis-like lesions in patients with interstitial pneumonia diagnosed by multidisciplinary discussion with surgical lung biopsy, *EJR Open* 11 (7) (2020) 100298, <https://doi.org/10.1016/j.ejro.2020.100298>, eCollection 2020. PMID: 33354595.
- [6] R. Egashira, et al., Pleuroparenchymal fibroelastosis (PPFE)-like finding on CT in daily practice—prevalence and serial changes, *EJR Open* (2020) 100296, published online on December 2.
- [7] M. Barile, T. Hida, M. Hammer, H. Hatabu, Simple quantitative chest CT for pulmonary edema, *Eur. J. Radiol. Open* 7 (October (30)) (2020) 100273, <https://doi.org/10.1016/j.ejro.2020.100273>, eCollection 2020.PMID: 33163584.
- [8] K. Umetani, T. Okamoto, K. Saito, Y. Kawata, N. Niki, 36M-pixel synchrotron radiation micro-CT for whole secondary pulmonary lobule visualization from a large human lung specimen, *Eur. J. Radiol. Open* 7 (September (12)) (2020) 100262, <https://doi.org/10.1016/j.ejro.2020.100262>, eCollection 2020.PMID: 32984451.
- [9] T. Hino, A. Hata, T. Hida, Y. Yamada, M. Ueyama, T. Araki, T. Kamitani, M. Nishino, A. Kurosaki, M. Jinzaki, K. Ishigami, H. Honda, H. Hatabu, S. Kudoh, Projected lung areas using dynamic X-ray (DXR), *Eur. J. Radiol. Open* 7 (2020) 100263, <https://doi.org/10.1016/j.ejro.2020.100263>. Epub 2020 Sep 12.PMID: 32953949.
- [10] M. Murota, et al., Influenza H1N1 virus-associated pneumonia often resembles rapidly progressive interstitial lung disease seen in collagen vascular diseases and COVID-19 pneumonia; CT-pathologic correlation in 24 patients, *EJR Open* 28 (7) (2020) 100297, <https://doi.org/10.1016/j.ejro.2020.100297>, eCollection 2020. PMID: 33318970.
- [11] V.H. Gerbaudo, et al., Contribution of FDG-PET/CT to the management of esophageal cancer patients at multidisciplinary tumor board conferences, *EJR Open* 1 (7) (2020) 100291, <https://doi.org/10.1016/j.ejro.2020.100291>, eCollection 2020. PMID: 33304940.

Hiroto Hatabu
Harvard Medical School, United States
E-mail address: hatabu@bwh.harvard.edu.

<https://doi.org/10.1016/j.ejro.2020.100309>