

The 32nd Annual Conference of International Lung Sounds Association

November 1st-2nd, 2007 / International House of Japan

Program

Wednesday, October 31

- 17:00 Registration
18:00 Ice Melting Party (International House of Japan)

Thursday, November 1

- 8:30- Registration
8:55- Opening remarks

Session A : Sound Generation & Transmission

Chairmen: Hans Pasterkamp / Yongyudh Ploysongsang

- 9:00-9:15 Duration of forced Expiratory Tracheal Noises increases with gas mixture density
Alexander I. D'yachenko, Russia
- 9:15-9:30 Simulation of sound transmission in humans from trachea to chest wall
Alexander I. D'yachenko, Russia
- 9:30-9:45 Effect of Lung Volume on Acoustic Transmission in Normal Subjects
John Earis, England
- 9:45-10:00 Sound Transmission (Transit Time) in the Lung in Normal Subjects appears to be Independent
of Gravity.
Sadamu Ishikawa, USA

-----Coffee Break (15minutes) -----

Session B: Signal Processing & Sound Acquisition

Chairmen: Akifumi Suzuki / Alexander I. D'yachenko

- 10:15-10:30 An examination of a method to detect abnormal sounds from the lung sounds recorded in
different environments.
Katsuya Yamauchi, Japan
- 10:30-10:45 Detection of crackles using an analytic signal representation
Atsushi Fuchita, Japan

- 10:45-11:00 Further Developments in Microphone-based Contact Stethoscopic Sensors, and Reduction of Lead-transmitted Noises
Fujihiko Sakao, Japan
- 11:00-11:15 Auscultation of the chest may be easier when patients are wearing under shirts than on the bare chest
Yukio Nagasaka, Japan
- 11:15-11:30 Evaluation of the swallowing sound recorded in the auditory canal
Tsunemi Kitagawa, Japan
- 11:30-13:00 Photo & Lunch

Session C: Clinical Application

Chairmen: Raymond Murphy / Sadamu Ishikawa

- 13:00-13:15 Assessment of Lung Auscultation in COPD (Emphysema)
Yongyudh Ploysongsang, Thailand
- 13:15-13:30 The evaluation of the efficacy of fast Fourier transformation of inspiratory lung sounds by phonopneumograph in a diagnosis of interstitial pneumonia
Hiroshi Ono, Japan
- 13:30-13:45 Multichannel lung sound analysis before and after mechanically induced lung injury
Raymond Murphy, USA
- 13:45-14:00 Acoustic analysis of breath sounds before and after chest physical therapy
Toshimitsu Suga, Japan
- 14:00-14:15 Snoring sound intensity and obstructive sleep apnea
Hiroshi Nakano, Janan

-----Coffee Break (15minutes) -----

Special Lecture I

Chair: Masashi Mori

- 14:30-15:30 Diffuse Panbronchiolitis and Anti-Inflammatory Action of Macrolide Antibiotics
Shoji Kudoh

-----Coffee Break (15minutes) -----

15:45-17:45 Business Meeting

18:00- Bus Transfer

19:00- Banquet (Wadakura Fountain Restaurant)

Friday, November 2

Session D: New Technology & Lung Sounds Nomenclature

Chairmen: Steve Kraman / John Earis

- 9:00-9:15 Vibration response imaging of lung—dynamic images and lung function findings in normal Japanese men
Masamichi Mineshita, Japan
- 9:15-9:30 Non-contact stethoscope for auscultation of neonatal patients
Raymond Murphy, USA
- 9:30-9:45 Changes of lung sound nomenclature in Japan since 1985 World Congress of Lung Sound
Yukio Nagasaka, Japan
- 9:45-10:00 Nomenclature on lung sounds in the world
Tadashi Abe, Japan

-----Coffee Break (15minutes) -----

Special Lecture II

Chair: Shoji Kudoh

- 10:15-11:15 The basis of mechanomyography and its application
Katsumi Mita, Japan
- 11:15 Closing Remarks
- 11:20-13:00 Lunch
- 13:00 Half-day tour of Tokyo (free)