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Wednesday, October 2, 1991 Scientific Programme
(AFTERNOON)

MEDICAL CENTER - VERUNO

SESSION D: Crackles - Clinical significance

Chairmen: L. Allegra (Milano, Italy)
D. Cugell (Chicago, USA)

- 16.00-16.20 The clinical diagnosis of adult pneumonia. Relative importance of typical symptoms and abnormal chest signs evaluated against a radiographic reference standard
(H. Melbye, B. Straume, U. Aasebø, K. Dale - Tromsø, Norway)
- 16.20-16.40 Changes in crackle characteristics during the clinical course of pneumonia
(P. Piirilä, A. Sovijärvi, K. Kallio, E. Paajanen, T. Rosqvist, T. Katila - Helsinki, Finland)
- 16.40-17.00 Preferential detection of high pitched crackles by auscultation of the dependent lung in lateral decubitus in congestive heart failure. Prospective study of 38 patients
(G. Postiaux, E. Lens, P. Portelange - Charleroi, Belgium)
- 17.00-17.20 Video-audio case report of crackling sounds from diffuse interstitial fibrosis and spontaneous emphysema of the same patient
(G. Righini, F. Dalmaso, M. Ono, M. Sirkka, R. Prota - Torino, Italy)
- 17.20-17.40 The effect of «crackle overlap» on crackle counts
(F. Davidson, F. Davidson, R. Murphy - Boston, MA, USA)
- 17.40-18.00 Ten-year follow-up of patients after recovery from acute myocardial infarction. Prognostic significance of the posturally inducible crackles
(T. Sawa, K. Gotoh, Y. Yagi, S. Ohshima, N. Yamamoto, M. Iida, F. Deguchi, M. Nawada, H. Tanaka, S. Hirawaka - Gifu, Japan)
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General Information

Location of the Conference	Medical Center of Rehabilitation VERUNO (Novara) - Italy
Official language	English
Secretariat	The secretariat will operate with the following opening hours: CONCORDE HOTEL (Arona) September 30: 15.00-18.00 MEDICAL CENTER (Veruno) October 1: 8.00-17.00 October 2: 8.30-18.00
Certificate of attendance	Participants, duly registered, will receive a certificate of attendance upon request
Hotel accommodation	People who have not yet arranged their hotel accommodation are kindly requested to contact HOTEL CONCORDE Via Verbano 1 I-28041 ARONA (Novara) Phone (0322) 249321 Fax (0322) 249372
Posters	Scientific Information Posters will be displayed in the Conference Hall of Veruno Medical Center throughout the symposium from October 1, 8.00 a.m. Presentation of video-posters will be possible. The best poster will be awarded a personal grant of Lit 1.000.000 by Dr. F. Dalmasso.

Wednesday, October 2, 1991 Scientific Programme
(MORNING)

MEDICAL CENTER - VERUNO

SESSION C: Crackles

Chairmen: R.L.H. Murphy (Boston, USA)
 W.T. Ball (Baltimore, USA)

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| 9.00- 9.20 | Original waveform of lung sound crackles in one patient with silicoasbestosis. Effect of highpass filtration (T. Katila, P. Piirilä, K. Kallio, E. Paajanen, T. Rosqvist, A. Sovijärvi - Helsinki, Finland) |
| 9.20- 9.40 | Analysis of the timing of crackles by a digital filtering system in fibrosing alveolitis and chronic obstructive lung diseases (M. Ono, G. Benedetto, F. Dalmaso, C. Guglielmo, G. Righini, R. Spagnolo - Torino, Italy) |
| 9.40-10.00 | Crackles during repeated lavage for pulmonary alveolar proteinosis (R.G. Loudon, M.E.Y. Koster, J. Reising, D.T. Porembka - Cincinnati, OH, USA and Leiden, The Netherlands) |
| 10.00-10.20 | Modifications induced by the respiration of a He 80%-O ₂ 20% mixture in recording pulmonary sounds (M. Rossi, A. Perinti, G. Pasquali, R. Palatresi, R. Barnabè - Siena, Italy) |
| 10.20-11.00 | Coffee break |
| 11.00-11.20 | The effect of He inhalation on the waveforms of crackles (H. Hazama, H. Hara, M. Iguchi, T. Nagata, T. Horiuchi, T. Sugimoto - Tokyo, Japan) |
| 11.20-11.40 | The auscultatory effects of clothing on lung sounds (M.G. Connolly, R.G. Loudon - Cincinnati, OH, USA) |
| 11.40-12.00 | Cervical auscultation of deglutition (S. Ishikawa, R. Aranson, L. Kenney, K.F. Mac Donell - Boston, MA, USA) |
| 12.00-12.30 | Guest Speaker: L. Allegra
Director, Institute of Pulmonary Disease
University of Milano |
| 12.45 | Lunch |
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Tuesday, October 1, 1991
(MORNING)

Scientific Programme

	MEDICAL CENTER - VERUNO
8.00	Registration
8.30	Welcome: F. Dalmasso (Torino, I) E. Pozzi (Torino, I) Director, Institute of Pulmonary Disease University of Torino
	SESSION A: Breath sounds
	Chairmen: G. Charbonneau (Paris, France) H. Pasterkamp (Winnipeg, Canada)
9.00- 9.20	Phase-gated and averaged serial spectra of lung sound cycles (E. Paajanen, A. Sovijärvi, P. Malmberg, S. Haltsonen, K. Kallio, T. Katila, P. Piirilä, T. Rosqvist - Helsinki, Finland)
9.20- 9.40	Spectral analysis of lung sounds in emphysema (R. Spiegel, N. Gavriely - Haifa, Israel)
9.40-10.00	Pattern classification of the phonopulmogram in amplitude domain (A.K. Majumder - East Lansing, MI, USA)
10.00-10.40	Coffee break
10.40-11.00	Lung sound analysis using digital signal processing techniques (G. Jamieson, B.M.G. Cheetham, J.L. Moruzzi, J. Earis - Liverpool, United Kingdom)
11.00-11.20	The variability of spectral content of normal lung sounds (M. Mahajna, N. Gavriely - Haifa, Israel)
11.20-11.40	Evaluation of phonopneumographic measurement of lung sounds (N. Gavriely, M. Nissan, D.W. Cugell, A.H.E. Rubin - Haifa, Israel and Chicago, IL, USA)
11.40-12.00	Findings from a pulmonary dig (D. Cugell - Chicago, IL, USA)
12.00-12.30	Photo
12.45	Lunch
