

POSTER SYMPOSIUM

MECHANICAL VENTILATION

Monday, April 27, 1987; 3:30 - 6:00 P.M.

MARINA BALLROOM 3

(Hotel Convention Center)

Moderators: Stephen Boros and Ivan Frantz, III

1. TRACHEOBRONCHIAL INJURY WITH HIGH FREQUENCY OSCILLATORY VENTILATION AND HIGH FREQUENCY FLOW INTERRUPTION COMPARED WITH CONVENTIONAL POSITIVE PRESSURE VENTILATION. Thomas E. Wiswell, Reese H. Clark, Robert A. deLemos, Jacqueline J. Coalson. (Spon. by Gerald W. Fischer). Dept. of Pediatrics, Brooke Army Medical Center, San Antonio, TX. (Abstract 1778).
2. TRACHEAL INJURY FOLLOWING HIGH-FREQUENCY OSCILLATION IN LABORATORY ANIMALS. Mark C. Mammel, Janice P. Ophoven, Margaret J. Gordon, Susan Taylor, Stephen J. Boros. Children's Hosp. of St. Paul, and Univ. of Minnesota, Dept. of Pediatrics, Minneapolis, MN. (Abstract 1714).
3. CARDIOVASCULAR CHANGES DURING HYPERVENTILATION IN NEWBORN DOGS. John H. Reuter, Edward F. Donovan, Uma R. Kotagal. Univ. of Cincinnati Med. Ctr., Dept. of Pediatrics, Cincinnati, OH. (Abstract 1209).
4. CO<sub>2</sub> ELIMINATION DURING HIGH-FREQUENCY JET VENTILATION (HFJV). H. Korvenranta, W.A. Carlo, D.A. Goldthwait, A.A. Fanaroff. Case Western Reserve Univ., Dept. of Ped., Cleveland, OH. (Abstract 1703).
5. CARDIOVASCULAR IMPAIRMENT OCCURS DURING HIGH-FREQUENCY JET VENTILATION (HFJV) OF BOTH NORMAL AND SURFACTANT DEFICIENT LUNGS. H. Korvenranta, J.H. Traverse, M. Adams, D.A. Goldthwait, W.A. Carlo. Case Western Reserve Univ., Dept. Peds. and Surg. Res., Cleveland, OH. (Abstract 1704).
6. BOTH ARTERIAL PO<sub>2</sub> AND PCO<sub>2</sub> DEPEND UPON FREQUENCY AND TIDAL VOLUME DURING HIGH FREQUENCY OSCILLATORY VENTILATION (HFOV). Bruce R. Boynton, Jeffrey J. Fredberg, Barbara G. Buckley, Michael D. Hammond, Ivan D. Frantz, III. Tufts Univ. School of Medicine, New England Medical Center, Dept. of Pediatrics and The Biomechanics Institute, Boston, MA and Univ. of South Florida Medical Center, Tampa, FL. (Abstract 1959).
7. A COMPARISON OF HIGH FREQUENCY OSCILLATION VENTILATION AND INTERMITTENT MANDATORY VENTILATION ON THE DISTRIBUTION OF EXOGENOUS SURFACTANT. Frans J. Walther, Irene M. Kuipers, Corrie E.M. Gidding, Dirk Willebrand, Ruud T.F. Buchholtz, Edouard M. Bevers. (Spon. by PYK Wu). Univ. of Limburg, Maastricht, The Netherlands, Depts. of Peds., Pathology and Biochemistry and Univ. of So. Calif., LAC-USC Med. Ctr., Dept. of Peds., Los Angeles, CA. (Abstract 1770).

8. COMPARISON OF AIRWAY PRESSURES IN TWO MODES OF HIGH FREQUENCY VENTILATION. Jan M. Carter, A. Florentina Taylor, Koshiro Nose, Dale R. Gerstmann, Dean Winter, Keith S. Meredith, Donald M. Null, Jr. (Spon. by Gerald W. Fischer). Wilford Hall USAF Medical Center & SW Foundation for Biomedical Research, San Antonio, TX. (Abstract 1632).
9. SUSTAINED INFLATION (SI) IMPROVES PULMONARY MECHANICS AND OXYGENATION DURING HIGH FREQUENCY OSCILLATION (HFO). M. Walsh, W. Carlo, D. Goldthwait, R. Martin. Case Western Reserve Univ., Dept. Peds., Cleveland, OH. (Abstract 1768).
10. AIRWAY PRESSURES AND ARTERIAL BLOOD GASES AT INHIBITION OF INSPIRATORY ACTIVITY DURING POSITIVE PRESSURE VENTILATION. Anders Jonzon, Torgny Norsted, Gunnar Sedin. Dept. of Peds., Univ. Hosp., Uppsala and Dept. of Physiology and Medical Biophysics, Uppsala Univ., Sweden (Abstract 1694).