Stanford



Lorry Frankel

Professor of Pediatrics (Critical Care) at the Lucile Salter Packard Children's Hospital at Stanford, Emeritus

Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **California Pacific Medical Center Pacific Campus**

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Bio

CLINICAL FOCUS

- Intensive Care, Pediatric
- Pediatric Critical Care Medicine

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Anesthesiology, Perioperative and Pain Medicine

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (1990)
- Board Certification: Pediatrics, American Board of Pediatrics (1983)
- Fellowship: Community Medical Center- University Medical Center California (1982) CA
- Internship: Iowa Methodist Medical Center (1979) IA
- Medical Education: University of Antwerp (1978) Belgium
- Residency: Community Medical Center- University Medical Center California CA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I conduct clinical studies into the cases of children with RSV bronchiolitis. In addition, I collaborate with Dr. Dale Umetsu in the evaluation of alveolar macrophage behavior and presentation of antigen.

Additional publication:

The Pediatric Intensive Care Unit for the Medical Student in Textbook of Pediatrics for Medical Students, Bernstein D. and Shelov S. eds. January, 1996.

Kim K, Frankel LR, The need for inotropic support in a subgroup of infants with severe life-threatening respiratory syncitial viral infection, J. Investig Med 1997;45:1-5.

Frankel, LR, Ford R, Der Yeghiaian M, The role for ECMO combined with aggressive fiberopitc bronchoscpy in 2 infants with severe pertusis pneumonia, in preparation.

Andrus J, Frankel LR, Ford R, et al: bronchopleural fistula (BPF) treated with asychronous lung ventilation, in preaparation.

Publications

PUBLICATIONS

- **Improving communication in a pediatric intensive care unit using daily patient goal sheets** *JOURNAL OF CRITICAL CARE*
  Agarwal, S., Frankel, L., Tourner, S., McMillan, A., Sharek, P. J.
  2008; 23 (2): 227-235
- **Effect of a rapid response team on hospital-wide mortality and code rates outside the ICU in a children's hospital** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Sharek, P. J., Parast, L. M., Leong, K., Coombs, J., Earnest, K., Sullivan, J., Frankel, L. R., Roth, S. J.
  2007; 298 (19): 2267-2274
- **The hemophagocytic syndrome: Titrating continuous hemofiltration to the degree of lactic acidosis** *PEDIATRIC HEMATOLOGY AND ONCOLOGY*
  DiCarlo, J., Lui, W. Y., Frankel, L., Howell, W., Schiffman, J., Alexander, S.
  2006; 23 (7): 599-610
- **Food, toys, and love: pediatric palliative care.** *Current problems in pediatric and adolescent health care*
  Sourkes, B., Frankel, L., Brown, M., Contro, N., Benitz, W., Case, C., Good, J., Jones, L., Komejan, J., Modderman-Marshall, J., Reichard, W., Sentivany-Collins, S., Sunde, et al
  2005; 35 (9): 350-386
- **Identification of Epstein-Barr virus-specific CD8(+) T lymphocytes in the circulation of pediatric transplant recipients** *TRANSPLANTATION*
  Falco, D. A., Nepomuceno, R. R., Krams, S. M., Lee, P. P., DAVIS, M. M., Salvatierra, O., Alexander, S. R., Esquivel, C. O., Cox, K. L., Frankel, L. R., Martinez, O. M.
  2002; 74 (4): 501-510
- **Group A streptococcal meningitis: Report of a case and review of literature since 1976** *PEDIATRIC EMERGENCY CARE*
  Shetty, A. K., Frankel, L. R., Maldonado, Y., Falco, D. A., Lewis, D. B.
  2001; 17 (6): 430-434
- **Human alveolar macrophages induce functional inactivation in antigen-specific CD4 T cells** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
  Blumenthal, R. L., Campbell, D. E., Hwang, P., DeKruyff, R. H., Frankel, L. R., Umetsu, D. T.
  2001; 107 (2): 258-264
- **The need for inotropic support in a subgroup of infants with severe life-threatening respiratory syncytial viral infection** *JOURNAL OF INVESTIGATIVE MEDICINE*
  Kim, K. K., Frankel, L. R.
  1997; 45 (8): 469-473
- **Mechanical ventilation for pediatric patients** *INTERNATIONAL ANESTHESIOLOGY CLINICS*
  Hammer, G. B., Frankel, L. R.
  1997; 35 (1): 139-167
- **Identifying early predictors of mortality in pediatric patients with acute leukemia and pneumonia** *CHEST*
  RANDLE, C. J., Frankel, L. R., Amylon, M. D.
  1996; 109 (2): 457-461

- **Venous catheter thrombus formation and pulmonary embolism in children** *PEDIATRIC PULMONOLOGY*
  Derish, M. T., Smith, D. W., Frankel, L. R.
  1995; 20 (6): 349-354

- **CARDIAC TRANSPLANTATION FOR HYPERTROPHIC CARDIOMYOPATHY ASSOCIATED WITH SENGERS-SYNDROME** *ANNALS OF THORACIC SURGERY*
  Robbins, R. C., Bernstein, D., Berry, G. J., VanMeurs, K. P., Frankel, L. R., Reitz, B. A.
  1995; 60 (5): 1425-1427

- **HUMAN ALVEOLAR MACROPHAGES PRESENT ANTIGEN INEFFECTIVELY DUE TO DEFECTIVE EXPRESSION OF B7 COSTIMULATORY CELL-SURFACE MOLECULES** *JOURNAL OF CLINICAL INVESTIGATION*
  CHELEN, C. J., Fang, Y., Freeman, G. J., Secrist, H., Marshall, J. D., Hwang, P. T., Frankel, L. R., DeKruyff, R. H., Umetsu, D. T.
  1995; 95 (3): 1415-1421

- **FREQUENCY AND PROGNOSTIC-SIGNIFICANCE OF HRX REARRANGEMENTS IN INFANT ACUTE LYMPHOBLASTIC-LEUKEMIA - A PEDIATRIC-ONCOLOGY-GROUP STUDY** *BLOOD*
  Rubnitz, J. E., Link, M. P., Shuster, J. J., Carroll, A. J., Hakami, N., Frankel, L. S., Pullen, D. J., Cleary, M. L.
  1994; 84 (2): 570-573

- **HIGH-FREQUENCY JET VENTILATION IN CHILDREN WITH THE ADULT RESPIRATORY-DISTRESS SYNDROME COMPLICATED BY PULMONARY BAROTRAUMA** *PEDIATRIC PULMONOLOGY*
  Smith, D. W., Frankel, L. R., Derish, M. T., Moody, R. R., Black, L. E., Chipps, B. E., Mathers, L. H.
  1993; 15 (5): 279-286

- **VALUE OF BRONCHOALVEOLAR LAVAGE IN DIAGNOSING SEVERE RESPIRATORY SYNCYTIAL VIRUS-INFECTIONS IN INFANTS** *JOURNAL OF PEDIATRICS*
  Derish, M. T., KULHANJIAN, J. A., Frankel, L. R., Smith, D. W.
  1991; 119 (5): 761-763

- **A CONTROLLED TRIAL OF AEROSOLIZED RIBAVIRIN IN INFANTS RECEIVING MECHANICAL VENTILATION FOR SEVERE RESPIRATORY SYNCYTIAL VIRUS-INFECTION** *NEW ENGLAND JOURNAL OF MEDICINE*
  Smith, D. W., Frankel, L. R., Mathers, L. H., TANG, A. T., Ariagno, R. L., Prober, C. G.
  1991; 325 (1): 24-29

- **PULMONARY-FUNCTION TESTING IN INFANTS WITH RESPIRATORY SYNCYTIAL VIRUS BRONCHIOLITIS REQUIRING MECHANICAL VENTILATION** *PEDIATRIC INFECTIOUS DISEASE JOURNAL*
  Smith, D. W., Rector, D. M., Derish, M. T., Frankel, L. R., Ariagno, R. L.
  1990; 9 (9): S108-S111

- **SEVERE METABOLIC-ACIDOSIS AFTER ACUTE NAPROXEN SODIUM INGESTION** *ANNALS OF EMERGENCY MEDICINE*
  Martinez, R., Smith, D. W., Frankel, L. R.
  1989; 18 (10): 1102-1104

- **RETINAL FOLDS IN THE SHAKEN BABY SYNDROME** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
  Gaynon, M. W., Koh, K., Marmor, M. F., Frankel, L. R.
  1988; 106 (4): 423-425

- **BRONCHOALVEOLAR LAVAGE FOR DIAGNOSIS OF PNEUMONIA IN THE IMMUNOCOMPROMISED CHILD** *PEDIATRICS*
  Frankel, L. R., Smith, D. W., LEWISTON, N. J.
  1988; 81 (6): 785-788

- **DISSOCIATION OF MEAN AIRWAY PRESSURE AND LUNG-VOLUME DURING HIGH-FREQUENCY OSCILLATORY VENTILATION** *CRITICAL CARE MEDICINE*
  Smith, D. W., Frankel, L. R., Ariagno, R. L.
  1988; 16 (5): 531-535

- **A TECHNIQUE FOR THE ADMINISTRATION OF RIBAVIRIN TO MECHANICALLY VENTILATED INFANTS WITH SEVERE RESPIRATORY SYNCYTIAL VIRUS-INFECTION** *CRITICAL CARE MEDICINE*
  Frankel, L. R., Wilson, C. W., Demers, R. R., Parker, J. R., LEWISTON, N. J., Stevenson, D. K., Smith, D. W.
  1987; 15 (11): 1051-1054

- **RAPID ASSESSMENT OF VENTILATION BY MEASUREMENT OF CARBON-DIOXIDE ELIMINATION DURING HIGH-FREQUENCY VENTILATION OF KITTENS** *PEDIATRIC PULMONOLOGY*
  Smith, D. W., Frankel, L. R., Walker, J. G., Cheng, E. Y., MEREDITH, K. S., Mihm, F. G., Ariagno, R. L.
  1987; 3 (6): 406-412

- **Metabolic emergencies of the newborn: hypoxemia and hypoglycemia.** *Comprehensive therapy*
  Frankel, L., Stevenson, D. K.
  1987; 13 (10): 14-19

- **Immediate management of the asphyxiated infant: facilitating the cardiorespiratory transition from fetus to newborn.** *Journal of perinatology*
  Stevenson, D. K., Frankel, L. R., Benitz, W. E.
  1987; 7 (3): 221-225