



Alvin Hackel

Professor (Clinical) of Anesthesia and Pediatrics, Emeritus
Anesthesiology, Perioperative and Pain Medicine

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Hackel is Professor (Clinical) of Anesthesiology, Perioperative and Pain Medicine, and Pediatrics, Emeritus, at the Stanford School of Medicine. A graduate of Stanford University and its School of Medicine, he was the Chief of the Division of Pediatric Anesthesia at Stanford for 25 years. He is Board Certified in Pediatrics and Anesthesiology.

A member of numerous medical societies, Dr. Hackel was the Principal Author of the American Academy of Pediatrics' Guidelines for the Pediatric Perioperative Anesthesia Environment and the Co-Principal author of a parallel document adopted by the American Society of Anesthesiologists and the Society for Pediatric Anesthesia, documents that have led to improvements in the quality of anesthesia care for infants and children at the national and international levels and the development of subspecialty care in the United States. Dr. Hackel has served as a medico-legal with the intent of advancing the high quality of care required for the care of infants and older children.

Other medical fields of interest include the Interfacility Transport of Critically Ill Patients and Regional Neonatal Disaster Preparedness. Dr. Hackel was the principal author of the American Academy of Pediatrics' Guidelines for the Interfacility Transport of Pediatric Patients and the co-developer of a unique infant transport incubator system. Along with his colleagues, he created the Stanford Critical Care Transport and Life Flight Systems. He led the battle to create the California Perinatal Transport System (www.perinatal.org), a state-wide program that transports more than 7,000 critically ill infants annually between community hospitals and regional centers. He was the Director of its Northern Division until last year.

For these endeavors, Dr. Hackel was awarded the Robert M. Smith Award, a life-time achievement award, by the American Academy of Pediatrics Section on Anesthesiology and Pain Medicine.

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Chief, Division of Pediatric Anesthesia, (1969-1994)
- Director, Northern Division, California Perinatal Transport System, (1978-2013)
- Member, Executive Committee, California Perinatal Quality Care Collaborative, (2002- present)
- Associate Medical Director, Office of Service Continuity and Disaster Preparedness, Stanford Medical Center, (2006-2009)

- Director, Critical Care and Life Flight Transport Programs, Stanford Medical Center, (1970-1987)

HONORS AND AWARDS

- Special recognition article, "Baby Movers", Stanford Alumni Association (1992)
- Robert M. Smith Award, Section on Anesthesiology and Pain Medicine, American Academy of Pediatrics (2006)
- Life-Time Member, Stanford Hospital Medical Staff (2012)

PROFESSIONAL EDUCATION

- A.B., Stanford University , Biological Sciences (1954)
- M.D., Stanford University , Medicine (1957)
- Certified, American Board of Pediatrics (1963)
- Certified, American Board Anesthesiologists (1970)
- Intern, Kings County Hosp, Brooklyn, NY (1958)
- Resident, NYU-Bellevue Med Ctr, NY , Pediatrics (1960)
- Sr. Resident, Childrens Hosp Los Angeles , Pediatrics (1961)
- Fellow, Childrens Hospital Los Angeles , Cardiac pathology (1963)
- Fellow, Inst.Med Sciences,San Francisco , Clinical cardiology (1964)
- Fellow, Cardiovascular surgery, Stanford , ECMO,Intensive care (1967)
- Resident, Pres. Med Ctr, San Francisco , Anesthesiology (1967)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Pediatric Perioperative Anesthesia Environment-demography, performance-based credentialing, outcome measurement;

Regional Pediatric Transport Systems-organization, resource management, data collection and management, patient care equipment, team composition, outcome measurement.

Disaster preparedness for hospitalized pediatric, neonatal and perinatal patients, incorporation into the statewide California program.

Affordable simulation for small-scale and assessment.

Publications

PUBLICATIONS

- **Estimating the quality of neonatal transport in California.** *Journal of perinatology*
Gould, J. B., Danielsen, B. H., Bollman, L., Hackel, A., Murphy, B.
2013; 33 (12): 964-970
- **Therapeutic hypothermia during neonatal transport: data from the California Perinatal Quality Care Collaborative (CPQCC) and California Perinatal Transport System (CPeTS) for 2010** *JOURNAL OF PERINATOLOGY*
Akula, V. P., Gould, J. B., DAVIS, A. S., Hackel, A., Oehlert, J., Van Meurs, K. P.
2013; 33 (3): 194-197
- **Regional disaster planning for neonatology** *JOURNAL OF PERINATOLOGY*
Cohen, R., Murphy, B., Ahern, T., Hackel, A.
2010; 30 (11): 709-711
- **Affordable Simulation for Small-Scale Training and Assessment** *SIMULATION IN HEALTHCARE*
Edler, A. A., Chen, M., Honkanen, A., Hackel, A., Golianu, B.
2010; 5 (2): 112-115

- **Disaster Planning - Triaging resource allocation in neonatology.** *J. Investigative Medicine*
Cohen RS, Murphy B, Ahern T, Hackel A
2010; 58: 188
- **Anesthesia-related cardiac arrest in children** *71st Annual Meeting of the International-Anesthesia-Research-Society*
Murray, J. P., Geiduschek, J. M., Ramamoorthy, C., Haberkern, C. M., Hackel, A., Caplan, R. A., Domino, K. B., Posner, K., Cheney, F. W.
LIPPINCOTT WILLIAMS & WILKINS.2000: 6-14
- **Guidelines for the pediatric perioperative anesthesia environment** *PEDIATRICS*
Hackel, A., Badgwell, J. M., Binding, R. R., Dahm, L. S., Dunbar, B. S., Fischer, C. G., Geiduschek, J. M., Gunter, J. B., Gutierrez-Mazorra, J. F., Kain, Z., Liu, L., Means, L., Meyer, et al
1999; 103 (2): 512-515
- **The pediatric sedation unit: A mechanism for safe pediatric sedation** *PEDIATRICS*
Means, L. J., Ferrari, L., Mancuso, T. J., Davidson, P., Hackel, A., Deshpande, J. K., Davis, P., Brown, R., Bailey, A., Cote, C.
1999; 103 (1): 199-200
- **Tourniquet release: Systemic and metabolic effects** *ACTA ANAESTHESIOLOGICA SCANDINAVICA*
Townsend, H. S., Goodman, S. B., Schurman, D. J., Hackel, A., BROCKUTNE, J. G.
1996; 40 (10): 1234-1237
- **Anaesthesia and the respiratory system in paediatrics** *BAILLIERES CLINICAL ANAESTHESIOLOGY*
Sandoval, N. F., Hackel, A.
1996; 10 (1): 99-122
- **THE DEMOGRAPHICS OF INPATIENT PEDIATRIC ANESTHESIA - IMPLICATIONS FOR CREDENTIALING POLICY** *JOURNAL OF CLINICAL ANESTHESIA*
Macario, A., Hackel, A., Gregory, G. A., FORSETH, D.
1995; 7 (6): 507-511
- **CARE OF PATIENTS DURING LONG-DISTANCE TRANSPORT** *INTERNATIONAL ANESTHESIOLOGY CLINICS*
MERLONE, S., Hackel, A.
1987; 25 (2): 105-116
- **AN ORGANIZATIONAL SYSTEM FOR CRITICAL CARE TRANSPORT** *INTERNATIONAL ANESTHESIOLOGY CLINICS*
Hackel, A.
1987; 25 (2): 1-11
- **TRANSPORT OF CRITICALLY ILL ADULTS** *CRITICAL CARE MEDICINE*
Ehrenwerth, J., Sorbo, S., Hackel, A.
1986; 14 (6): 543-547
- **SELECTION CRITERIA FOR PEDIATRIC CRITICAL CARE TRANSPORT TEAMS** *CRITICAL CARE MEDICINE*
Smith, D. F., Hackel, A.
1983; 11 (1): 10-12
- **AIR-TO-GROUND COMMUNICATIONS - VALUABLE AID IN THE TRANSPORT OF CRITICALLY ILL PATIENTS** *IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY*
Ehrenwerth, J., Hackel, A.
1979; 28 (4): 303-306
- **NEONATAL HYPOXIA AND PULMONARY VASOSPASM - RESPONSE TO TOLAZOLINE** *JOURNAL OF PEDIATRICS*
Goetzman, B. W., Sunshine, P., Johnson, J. D., Wennberg, R. P., Hackel, A., Merten, D. F., BARTOLETTI, A. L., Silverman, N. H.
1976; 89 (4): 617-621
- **PERCUTANEOUS CATHETERIZATION OF INTERNAL JUGULAR VEIN IN INFANTS AND CHILDREN** *ANESTHESIOLOGY*
Prince, S. R., SULLIVAN, R. L., Hackel, A.
1976; 44 (2): 170-174
- **COSMETIC NASAL DEFORMITIES COMPLICATING PROLONGED NASOTRACHEAL INTUBATION IN CRITICALLY ILL NEWBORN-INFANTS** *PEDIATRICS*

Baxter, R. J., Johnson, J. D., Goetzman, B. W., Hackel, A.
1975; 55 (6): 884-887

● **MEDICAL TRANSPORT-SYSTEM FOR NEONATE** *ANESTHESIOLOGY*

Hackel, A.
1975; 43 (2): 258-267

● **RADIANT HEAT UNIT FOR TRANSPORTATION OF NEONATES** *ANESTHESIA AND ANALGESIA CURRENT RESEARCHES*

Hackel, A., Sunshine, P.
1971; 50 (4): 548-?

● **Laboratory and clinical studies during prolonged partial extracorporeal circulation using the Bramson membrane lung.** *Circulation*

Hill, J. D., BRAMSON, M. L., Hackel, A., DEAL, C. W., Sanchez, P. A., Osborn, J. J., GERBODE, F.
1968; 37 (4): II139-45

● **ENDOCARDITIS COMPLICATING OPEN-HEART SURGERY** *CIRCULATION*

LORD, J. W., Doyle, E. F., Imparato, A. M., Hackel, A.
1961; 23 (4): 489-?

● **Neonatal narcotic addiction.** *GP*

VINCOW, A., Hackel, A.
1960; 22: 90-93