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Yale-New Haven Children's Hospital, Yale University School of Medicine

Zeev N Kain, MD, MBA

Section of Pediatric Anesthesia, Yale-New Haven Children's Hospital, New Haven, Connecticut, USA

History: New Haven Children's Hospital (YNHCH) opened in 1993. It has 201 beds and is the primary pediatric teaching hospital for Yale University School of Medicine. The section of pediatric anesthesia at Yale was established by Dr. Tae Oh, who is considered one of the founding fathers of pediatric anesthesia. Dr. S. Rimar was the first chief of pediatric anesthesia at YNHCH and under his outstanding and exceptional leadership the section became independent and free standing. In 1996, Dr. Z. Kain became the chief of the section. During his tenure there was a dramatic increase in the clinical volume and a significant growth in research activities, scientific publications and external funding (NIGMS, NICHD, FAER, Donghue, Arthur Vining Davis).

Faculty Members: ZN Kain, MD (Anesthesiologist-in-Chief), D Gaal MD, S Kahn, MD, P Leith, MD, I Maranets, MD, B McClain, MD, H Saadat, MD, R Schoenfelder, MD, SM Wang, MD.

Clinical Services: The section provides about 6000 anesthetics per year at YNHCH. The type of surgical procedures ranges from PE tube placement to open heart, craniofacial reconstruction and craniotomies.

Fellowship Program: This program has been accredited by the ACGME since 1999. Ample research opportunities are available and *encouraged* to assist those interested in a career in academic medicine.

Pediatric Pain Management Services (PPMS): This multidisciplinary program consists of acute and chronic pain services and complementary medical consultations. In addition to patient care activities, the PPMS is actively involved both in residents, fellows and nursing educational and research activities.

Pediatric Preadmission Program: The goals of this unique program are to help the child and parent become familiar with the OR surroundings, and to address the issues related to the preoperative period. About 60% of all children undergoing surgery at YNHCH participate in this program.

Medical Acupuncture Program: This program was established in 1999. Since its establishment, there is an increase clinical referral within the hospital and the community. It provides not only medical acupuncture treatment to both children and adult but also has served as the regional consulting center.

Sedation Service: This is a relative new service just established in 2002, mainly covered all sedations perform in Children's Hospital at Yale. It is consist of a pediatric anesthesiologist supervising several nurse practitioners. Thus far the service is well received by all the departments in the hospital.

Pediatric Research Program Overview: The Yale Perioperative Stress and Children Study Group was founded in 1993. This multidisciplinary study group consists of investigators from Yale and other academic institutions in United States. Disciplines such as anesthesiology, pediatrics, child psychiatry, psychology, psychoimmunology and psychoendocrinology are all represented in this group. To date, this group has published more than 100 papers in the area of perioperative stress in children. Funding for this group currently exceeds \$3,000,000. This funding is both from the NICHD as well as foundations. In addition, several research protocols are executed in the area of pharmacological pain management, acupuncture medicine, and sedation.

Children's Clinical Research Center: Section of Anesthesiology: The Yale University Children's Clinical Research Center (CCRC) at YNHCH was established in 1963. The CCRC is an institutional resource funded by the NIH National Center for Research Resources to facilitate research in childhood diseases at the Yale School of Medicine and YNHCH. It is important to note that CCRC originally was limited to researches conducted by a Department of Pediatrics. Over the years CCRC has extended its service to the Section of Pediatric Anesthesia because of its outstanding research tract record. This collaboration is unique to Yale.