STANFORD UNIVERSITY - SCHOOL OF MEDICINE
Curriculum Vitae

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Felice Su, MD

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Education:

1993-97	B.S.	Northwestern University, Evanston, IL
1996-00	M.D.	Feinberg School of Medicine Northwestern University, Chicago, IL
2005-2008		Masters Program in Translational Research Institute of Translational Medicine and Therapeutics Perelman School of Medicine at the Univ. of Pennsylvania Philadelphia, PA

Postgraduate Training and Fellowship Appointments:

2000-01	Intern in Pediatrics University of Texas at Southwestern Children's Medical Center of Dallas, Dallas, TX
2001-03	Resident in Pediatrics University of Texas at Southwestern Children's Medical Center of Dallas, Dallas, TX
2003-06	Fellowship in Pediatric Critical Care Medicine The Children's Hospital of Philadelphia, Philadelphia, PA
2005-08	ITMAT Faculty Research Fellowship Institute of Translational Medicine and Therapeutics (ITMAT) Perelman School of Medicine at the University of Pennsylvania Philadelphia, PA

Faculty Appointments:

2006-2008	Assistant Professor of Anesthesia and Critical Care Medicine Perelman School of Medicine at the University of Pennsylvania
2006-2008	Assistant Professor of Pediatrics Perelman School of Medicine at the University of Pennsylvania
2008-present	Instructor of Pediatrics Division of Critical Care Medicine Stanford University School of Medicine

Hospital and Administrative Appointments:

2006-2008	Attending Physician Department of Anesthesia and Critical Care Medicine Division of Critical Care Medicine The Children's Hospital of Philadelphia
2006-2008	Attending Physician Department of Pediatrics Division of Clinical Pharmacology and Therapeutics The Children's Hospital of Philadelphia
2008-present	Attending Physician Department of Pediatrics Division of Critical Care Medicine Lucile Packard Children's Hospital Stanford University
2009-present	Medical Director, Pediatric Critical Care Trauma Program Lucile Packard Children's Hospital

Specialty Certification:

2004-14	American Board of Pediatrics Board Certified in Pediatrics
2006-16	American Board of Pediatrics Board Certified in Pediatric Critical Care Medicine
2002-12	Advanced Trauma Life Support (ATLS)
2000-14	Pediatric Advanced Life Support (PALS)

Licensure:

2003-2008	Pennsylvania
2008-present	California

Awards, Honors and Membership in Honorary Societies:

1993-2000	Honors Program in Medical Education Feinberg School of Medicine, Northwestern University
1997	Medical Student Research Scholarship Feinberg School of Medicine, Northwestern University
2006	Fellows' Research Poster Award The Joseph Stokes, Jr. Research Institute The Children's Hospital of Philadelphia
2005-2008	Institute of Translational Medicine and Therapeutics Scholar Perelman School of Medicine at the University of Pennsylvania
2011	Recognition of Service Excellence (R.O.S.E.) Award Lucile Packard Children's Hospital at Stanford
2012	Recognition of Service Excellence (R.O.S.E.) Award Lucile Packard Children's Hospital at Stanford

Memberships in Professional and Scientific Societies:

National Societies: Society of Critical Care Medicine
Clinical Pharmacy and Pharmacology Section
Pediatric Section

American Academy of Pediatrics (FAAP)
Section on Clinical Pharmacology and Therapeutics
Section on Critical Care

Editorial Positions

2010 – present	Reviewer, Pediatric Anesthesia
2012	Ad hoc reviewer, Clinical Ophthalmology
2013	Ad hoc reviewer, Clinical Pharmacology: Advances and Applications
2013 – present	Review Editor, Frontiers in Obstetric and Pediatric Pharmacology

Academic and Institutional Committees

2006 – present	Fellowship Scholastic Oversight Committee
2009 – present	Trauma Committee on Performance Improvement and Patient Safety
2009 – present	Trauma Professional Practice Evaluation Committee
2009 – present	Blood Wastage Committee
2010 – present	Pediatric Trauma Task Force
2012 – present	Therapeutic Hypothermia following Cardiopulmonary Arrest Task Force
2013 – present	Pulmonary/Critical Care Professional Practice Evaluation Committee

Major Teaching and Clinical Responsibilities at Stanford University and Affiliated Hospitals:

a. Pediatric Intensive Care Unit Attending (10 weeks/year, 4 calls/month): Delivery of patient care in a 24 bed pediatric intensive care unit including transport of critically ill children to Lucile Packard Children's Hospital
b. Teaching and supervision of pediatric critical care, anesthesia, and emergency medicine fellows and residents. Teaching also includes medical students and visiting fellows
c. Conference attendance and participation including Fellows Conference, Critical Care Case Conference, Journal Club, and Grand Rounds
d. Mentor fellows and organize monthly Critical Care Case Conference
e. Scholastic Oversight Committee member/research mentor for 5 current fellows

Lectures by Invitation:

February 23, 2005	"The Pharmacokinetics of Dexmedetomidine in Infants Post-operative from Cardiac Surgery" General Clinical Research Center & Cardiac Center The Children's Hospital of Philadelphia, Philadelphia, PA
January 8, 2006	"The Pharmacokinetics and Pharmacodynamics of Dexmedetomidine in Infants Following Open Heart Surgery" 35th Critical Care Congress, Society of Critical Care Medicine San Francisco, CA

February 28, 2006	"The Pharmacokinetics of Dexmedetomidine in Infants Post-operative from Cardiac Surgery – An Update" General Clinical Research Center & Cardiac Center The Children's Hospital of Philadelphia, Philadelphia, PA
November 5, 2007	"Academic Medicine" Pediatric Critical Care Fellow's Conference The Children's Hospital of Philadelphia, Philadelphia, PA
November 12, 2007	"Ethical Conduct of Research" Pediatric Critical Care Fellow's Conference The Children's Hospital of Philadelphia, Philadelphia, PA
September 15, 2008	"Pharmacotherapy for Critically Ill Children. From Academia to Industry to Regulatory Guidance: An Investigator Initiated Perspective" 37th Annual Meeting, American College of Clinical Pharmacology Philadelphia, PA
February 10, 2009	"Management of Pediatric Trauma" Pediatric Critical Care Conference Lucile Packard Children's Hospital at Stanford University
April 14, 2009	"Traumatic Brain Injury" Pediatric Critical Care Conference Lucile Packard Children's Hospital at Stanford University
October 6, 2009	"Trauma Resuscitation for the Pediatric Intensivist: The Golden Hour" Pediatric Critical Care Conference Lucile Packard Children's Hospital at Stanford University
November 18, 2010	"Pediatric Pharmacology Research: An investigator-initiated perspective" Pediatric Critical Care Research Conference Lucile Packard Children's Hospital at Stanford University
March 13, 2012	"Pediatric Acute Kidney Injury in Critical Care Medicine" Pediatric Critical Care Series Lucile Packard Children's Hospital at Stanford University
January 15, 2013	"Improving Drug Delivery to Critically Ill Children" Pediatric Critical Care Research Conference The Children's Hospital of Philadelphia
March 26, 2013	"Delivering Sedation and Analgesia to Critically Ill Children" Pediatric Critical Care Series Lucile Packard Children's Hospital at Stanford University

Ongoing Research Support

Stanford NIH/NCRR CTSA UL1RR025744 Felice Su (PI) 03/14-02/15
Drug Disposition during Pediatric Continuous Renal Replacement Therapy
The major goal of this project is to understand the impact of continuous renal replacement therapy on drug disposition with respect to drug-circuit interactions.
Role: Principal Investigator

Cadence Pharmaceuticals, Inc. Gregory Hammer (PI) 08/12 – 07/14
A Randomized, Placebo Controlled, Multi-Center Study of the Efficacy, Pharmacokinetics and Pharmacodynamics of Intravenous Acetaminophen for the Treatment of Acute Pain in Pediatric Patients
The major goal of this project is to determine the pharmacokinetics, tolerability and safety of oral morphine sulfate for the treatment of post-operative pain in children.
Role: Investigator

Roxane Laboratories, Inc. Gregory Hammer (PI) 01/10 – 12/14
A Multicenter, Open Label, Safety and Pharmacokinetic Study of Oral Morphine Sulfate Administration in Pediatric Subjects 2 years old through 17 years old with Postoperative Pain
The major goal of this project is to determine the pharmacokinetics, tolerability and safety of oral morphine sulfate for the treatment of post-operative pain in children.
Role: Investigator

PALISI Network Scott Weiss (PI) 04/13 – 12/14
SPROUT: Sepsis PRevalence, OUtcomes and Therapies
The major goal of this international multi-center study is to investigate the epidemiology, therapies and outcomes of critically ill children with severe sepsis and septic shock.
Role: Investigator, Site Protocol Director

Completed Research Support

LPCH Heart Center Research Program C. Michelle Zebrack 07/11 – 06/14
Pharmacokinetics of Etomidate in Pediatric Patients Undergoing Cardiac Surgery
The major goal of this project is to determine the pharmacokinetics of etomidate in children with complex congenital heart disease.
Role: Investigator

Ernest & Amelia Gallo Award Mihaela Damian (PI) 07/11 – 12/12
The Pharmacokinetics of Dexmedetomidine in Infants and Children following Orthotopic Liver Transplantation
The major goal of this project is to determine the pharmacokinetic profile of dexmedetomidine in pediatric patients in the immediate post-operative period following liver transplantation.
Role: Investigator/co-Mentor

Hospira, Inc. Gregory Hammer (PI) 01/10 – 01/12
A Phase III, Randomized, Double-Blind, Dose-Controlled, Multicenter, Study Evaluating the Safety and Efficacy of Dexmedetomidine in Intubated and Mechanically Ventilated Pediatric ICU Subjects
The major goal of this project is to determine whether the administration of dexmedetomidine results in a reduction in the need for midazolam for sedation of critically ill infants and children.
Role: Investigator

NIH NO1-HD-4-3386 Gregory Hammer (PI) 08/04 – 07/11
Pharmacokinetics and pharmacodynamics of sodium nitroprusside in pediatric subjects
The major aim of this project is to characterize the PK and PD of nitroprusside as well as the occurrence of tolerance and rebound hypertension to facilitate FDA labeling in this population.
Role: Investigator

NICHD PPRU HD037255-09 Peter Adamson (PI) 07/07-06/10
Pediatric Pharmacology Research Unit (PPRU)
Pharmacokinetic and Pharmacodynamic Study of Dexmedetomidine in Neonates Following Open Heart Surgery
The major goal of this study was to determine the PK/PD of dexmedetomidine in neonates with congenital heart disease following corrective or palliative open-heart surgery
Role: Project PI

AstraZeneca, PLC Felice Su (PI) 11/07-9/08
A Phase I, Randomised, Open-Label, Multi-National Study to Evaluate the Pharmacokinetics of Repeated Once-Daily Intravenous Doses of Esomeprazole in Paediatric Patients 0 to 17 Years Old, Inclusive
The major goal of this study was to evaluate the PK of esomeprazole in children.
Role: Site PI

ITMAT Faculty Research Fellowship Felice Su (PI) 09/05-06/08
University of Pennsylvania
The goal of this salary supported research fellowship was to facilitate the development of a solid foundation for clinical and translational research for young faculty via participation in Masters Program in Translational Research. Thesis project: A population pharmacokinetic study of dexmedetomidine in neonates and infants post-operative from cardiac surgery.
Role: PI / Research Fellow

GCRC 5-MO1-RR-000240 Felice Su (PI) 03/06-06/07
NIH Clinical Research Feasibility Fund (CReFF) Pilot Award
Pharmacokinetic and Pharmacodynamic Study of Dexmedetomidine in Neonates Following Open Heart Surgery
The major goal of this study was to determine the PK/PD of dexmedetomidine in neonates with congenital heart disease following open-heart surgery
Role: PI

Bibliography:

Research Publications (Peer reviewed):

1. **Su F**, Nicolson SC, Zuppa AF. A dose-response study of dexmedetomidine administered as the primary sedative in infants following open heart surgery. Pediatr Crit Care Med 2013: 14(5);499-507.
2. **Su F**, Hammer GB. Dexmedetomidine: pediatric pharmacology, clinical uses and safety. Expert Opin Drug Saf 2011: 10(1);55-66.

3. **Su F,** Nicolson SC, Barrett JS, Adamson PC, Kang DS, Godinez RI, Zuppa AF. Population pharmacokinetics of dexmedetomidine in infants following open heart surgery. Anesth Analg 2010. 110(5):1383-1392.
4. **Su F*,** Lee J*, Shi H, Zuppa A. Sensitive and specific liquid chromatography-tandem mass spectrometric method for the quantitation of dexmedetomidine in pediatric plasma. J Chromatogr B 2007. 852(1-2):195-201. *Share first authorship.
5. **Su F**, Schwab S, Lin R, Henretig F, Osterhoudt KC. A toddler with obtundation and miosis. Pediatr Emerg Care. 2005. 21(3):211-213.
6. Patterson BK, Czerniewski M, Andersson J, Sullivan Y, **Su F**, Jiyamapa D, Burki Z, Landay A. Regulation of CCR5 and CXCR4 expression by type 1 and type 2 cytokines: CCR5 expression is downregulated by IL-10 in CD4-positive lymphocytes. Clin Immunol 1999. 91(3):254-262.

Abstracts:

1. **Su F**, Nicolson S, Barrett J, Adamson P, Kang D, Godinez R, and Zuppa A. Population pharmacokinetics of dexmedetomidine in infants following open heart surgery. J Clin Pharmacol 2008. 48:1122.
   37th Meeting of the American College of Clinical Pharmacology, September 2008 (Poster)
2. **Su F**, Nicolson SC, Adamson PC, Kang D, Barrett JS, Zuppa AF. Phase 1 trial and pharmacokinetic study of dexmedetomidine in neonates following open heart surgery. Crit Care Med 2007. 35(12):A117.
   37th Critical Care Congress, Society of Critical Care Medicine, February 2008 (Poster)
   37th Meeting of the American College of Clinical Pharmacology, September 2008 (Poster)
3. **Su F**, Nicolson S, Adamson P, Godinez R, Roth Bayer C, Barrett J, and Zuppa A. The pharmacokinetics and pharmacodynamics of dexmedetomidine in infants following open heart surgery. Crit Care Med 2005. 33(12):A6.
   35th Critical Care Congress, Society of Critical Care Medicine, January 2006 (Oral)
   9th Annual Update on Pediatric Cardiovascular Disease, February 2006 (Poster)

Editorials, Reviews, Chapters, including participation in committee reports:

1. **Su F**, Zuppa AF. Developmental Pharmacology. In Pediatric Anesthesiology Review Topics, Book 2: Pharmacology for the Pediatric Anesthesia Provider. Lockman JL (Ed). Kindle Edition. Naerthwyn Press, 2013.
2. **Su F**, Zuppa AF, Adamson PC. Untying the Gordian knot (Letter to the Editor). Anesth Analg 2007. 104(4):993.

Alternative Media:

1. **Su F**, Raghupathi R, Huh JW. Neurointensive care for traumatic brain injury in children. eMedicine from WebMD. March 2004.

2. **Su F**, Raghupathi R, Huh JW. Traumatic Brain Injury in Children. Medscape Reference. March 19, 2013. Available at: http://emedicine.medscape.com/article/909105-overview.