

V. Mohan Reddy, M.D.



Professor of Surgery
Chief, Division of Pediatric Cardiothoracic Surgery
Co-Director, UCSF Pediatric Heart Center

Contact Info

(415) 476-0451 Academic assistant
(415) 476-3501 Appointments

Curriculum Vitae

Education

- 1979 - 1983 Kakatiya Medical College, Warangal Andhra Pradesh, India MB, BS
- 1983 - 1986 All India Institute of Medical Sciences, New Delhi, India Master of Surgery, General Surgery
- 1986 - 1990 All India Institute of Medical Sciences, New Delhi, India MCh (Magister Chirurgery), Cardiothoracic and Vascular Surgery

Residencies

- 1982 - 1983 MGM Hospital, Andhra Pradesh, India; Intern, Surgery
- 1983 - 1986 All India Institute of Medical Sciences. New Delhi, India; Resident, General Surgery
- 1986 - 1986 All India Institute of Medical Sciences, New Delhi, India; Senior Registrar, General Surgery (Emergency Section)
- 1987 - 1989 All India Institute of Medical Sciences, New Delhi, India; Resident, Cardiothoracic and Vascular Surgery
- 1990 - 1991 Children's Hospital, Boston, MA; Senior Resident, Pediatric Cardiac Surgery

Fellowships

- 1991 - 1992 Miami Children's Hospital, Miami, FL; Fellow, Pediatric Cardiovascular Surgery

- 1992 - 1996 UCSF Medical Center, San Francisco, CA; Postdoctoral Fellow (combined clinical and research), Pediatric Cardiac Surgery

Program Affiliations

UCSF Benioff Children's Hospital Pediatric Heart Center ^[1]

Clinical Expertise

- Cardiac Surgery
- Cardiothoracic Surgery
- Cardiovascular Surgery
- Congenital Cardiac Surgery
- Congenital Cardiothoracic Surgery
- Congenital Cardiovascular Surgery
- Fetal Cardiac Surgery
- Neonatal Cardiac Surgery
- Neonatal Cardiothoracic Surgery
- Neonatal Cardiovascular surgery
- Pediatric Cardiac Surgery
- Pediatric Cardiothoracic Surgery
- Pediatric Cardiovascular Surgery

Research Interests

- Cerebral protection during cardiac surgery
- Fetal bypass
- Fetal cardiac structure models
- Neonatal bypass
- Neonatal cardiac structure models

Biography

V. Mohan Reddy, MD, is Chief of the Division of Pediatric Cardiothoracic Surgery at UCSF and Co-Director of the Pediatric Heart Center at the UCSF Benioff Children's Hospital - San Francisco.

Dr. Reddy earned his master's degree from the Institute of Medicine in New Delhi and his medical degree from Kakatiya Medical College in Warngal, India. He completed general surgical and cardiothoracic and vascular surgical residencies in India and then came to the United States, where he served for a year as Chief Pediatric Heart Surgery Resident at Boston Children's Hospital. Dr. Reddy then went on to a clinical fellowship in pediatric cardiovascular surgery at Miami Children's Hospital and a combined clinical and research fellowship in pediatric cardiac surgery here at UCSF. After completing that fellowship, he was appointed to the Pediatric Cardiothoracic Surgery faculty and remained here until 2001.

Prior to his return to UCSF, Dr. Reddy was Chief of Pediatric Cardiac Surgery at Lucile Packard Children's Hospital and Associate Professor of Cardiothoracic Surgery at the Stanford School of Medicine, where he performed pioneering, successful cardiac surgeries on

premature and extremely low birth weight neonates previously thought to be inoperable. He brings a tremendous fund of knowledge, experience and innovation back to UCSF.

Dr. Reddy's research and clinical interests focus on complex neonatal repairs, including on premature and extremely low birth weight babies; fetal heart surgery; and cerebral protection during heart surgery.

Since 2003, Dr. Reddy has been an active volunteer surgeon with Children's HeartLink, an international nonprofit that provides complex cardiac care to children in remote regions around the world, with yearly surgical clinics in India and China.

Dr. Reddy is a member of many professional societies, including the American Association for Thoracic Surgeons, the American Heart Association, and the Society of Thoracic Surgeons. He serves on the editorial boards of the journals Pediatric Cardiology and Cardiology in the Young and has published more than 150 peer-reviewed articles.

Research Overview

Since 1993, Dr. Reddy has maintained a strong interest in research related to congenital heart disease. He has developed several fetal models for research. The fetal bypass models he developed have resulted in NIH grants for which he was the co-investigator (PI: Frank Hanley). His fetal shunt model resulted in multiple grants for which he was the co-investigator (PI: Jeffrey Fineman). Other models Dr. Reddy has developed, namely the fetal single ventricle model and the neonatal pulmonary arteriovenous model, have resulted in several important publications.

Currently, apart from the continuing fetal bypass project, Dr. Reddy is focusing on cerebral protection during neonatal cardiac surgery. This project has resulted in several publications and presentations and he is planning to apply for an NIH grant once the clinical data from an internally funded study is completed. Dr. Reddy has also investigated the use of extracellular matrix membrane for reconstructive purposes in congenital heart surgery, in an industry-funded study. With his return to UCSF, he is renewing his collaborative work on fetal circulatory models with Dr. Fineman.

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Links

[1] https://www.ucsfbenioffchildrens.org/clinics/heart_center/