

Shinjiro Hirose, M.D.

Clinical Interests

Dr. Hirose is pediatric surgeon specializing in minimally invasive and cancer-related procedures. He serves as chief of pediatric surgery at UC Davis Children's Hospital and is the director of pediatric surgery for the adjoining Shriners Hospitals for Children – Northern California.
Dr. Hirose specializes in minimally invasive surgery for gastro-intestinal, biliary, liver and thoracic disorders in fetuses and children, and is a nationally recognized children's cancer surgeon. He is an expert in the development and use of surgical robotics in children. His specific clinical interests also include chest wall deformities and hepatobiliary surgery.

Research/Academic Interests

Dr. Hirose's research interests include:

- clinical innovation
- use of robotics in fetal intervention
- fetal surgery
- surgical device development, and
- surgical education

Title

Vice-Chair, Department of Surgery
Chief, Division of Pediatric General, Thoracic and Fetal Surgery
Director of Pediatric Surgery, Shriners Hospitals for Children – Northern California
Medical Director of Pediatric Trauma
Professor, Department of Surgery

Specialty

Pediatric Surgery, Surgery - Pediatric, Fetal Intervention

Department

Surgery

Division

Pediatric Surgery
Fetal Care and Treatment Center

Center/Program Affiliation

UC Davis Children's Hospital

Address/Phone

UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817
Phone: 800-282-3284

Additional Phone

Clinic Phone: 916-734-7844
Clinic Phone: 916-734-3112
Clinic Phone: 916-453-2180
Clinic Fax: 916-453-2373

UCDAVIS HEALTH



Shinjiro Hirose, M.D.

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education
M.D., New York Medical College, Valhalla NY 1997
S.B.M.E. Massachusetts Institute of Technology, Cambridge MA 1990

Internships
General Surgery, UC Davis Medical Center, Sacramento CA 1997-1998

Residency
General Surgery, UC Davis Medical Center, Sacramento CA 1998-2001
General Surgery, UC San Francisco Medical Center, San Francisco CA 2001-2005

Fellowships
Pediatric Surgery, Columbia University, New York NY 2005-2007

Board Certifications
American Board of Surgery - General Surgery
American Board of Surgery - Pediatric Surgery

Professional Memberships
American Academy of Pediatrics - Specialty Fellow
American College of Surgeons - Fellow
American Pediatric Surgical Association
International Fetal Medicine and Surgical Society
International Pediatric Endosurgery Group
North American Fetal Treatment Network

Honors and Awards
UC Davis Department of Surgery Dean's Award of Excellence, 2018
UCSF Research Evaluation and Allocation Novel Clinical/Translational Methods Award, 2009
UCSF Department of Surgery Chief Resident Teaching Award, 2005
UC Davis Department of Surgery Resident Teaching Award, 2000
UC Davis Department of Surgery Outstanding Intern Award, 1998
Alpha Omega Alpha Honor Society, UC Daivs, 1997

Select Recent Publications

Galganski LA, Yamashiro KJ, Pivetti CD, Keller BA, Becker JC, Brown EG, Saadai P, Hirose S, Wang A, Farmer DA. A Decade of Experience with the Ovine Model of Myelomeningocele: Risk Factors for Fetal Loss. Fetal Diagn Ther. 2020:47(7):507-13. doi:10.1159/000505400. Epub 2020 Feb 25. PMID:32097922.

Iqbal CW, Derderian SC, Lusk L, Basta A, Filly RA, Lee H, Hirose S. Outcomes for Prenatally Diagnosed Right Congenital Diaphragmatic Hernia. Fetal Diagn Ther. 2020;47(1):1-6. doi:10.1159/000369385. Epub 2015 Mar 4. PMID:25765922.

UCDAVIS HEALTH



Shinjiro Hirose, M.D.

Theodorou CM, Hirose S. Necrotizing enterocolitis following diazoxide therapy for persistent neonatal hypoglycemia. J Pediatr Surg Case Rep. 2020 Jan;52:101356. doi:10.1016/j.epsc.2019.101356. Epub 2019 Nov 21. PMID:32161713.

Anderson J, Hirose S. Gastroschisis and Autism-Dual Canaries in the Californian Coalmine-Reply. JAMA Surg. 2019 Apr 1;154(4):367-368. doi:10.1001/jamasurg.2018.4697. PMID:30725105.

Trappey AF 3rd, Galganski L, Saadai P, Stephenson J, Stark R, Farmer DL, Langer JC, Hirose S. Surgical management of pediatric rectal prolapse: A survey of the American Pediatric Surgical Association (APSA). J Pediatr Surg. 2019 Oct;54(10):2149-2154. doi:10.1016/j.jpedsurg.2019.02.017. Epub 2019 Mar 18. PMID:30987759.

Joyeux L, De Bie F, Danzer E, Russo FM, Javaux A, Peralta CFA, De Salles AAF, Pastuszka A, Olejek A, Van Mieghem T, De Coppi P, Moldenhauer J, Whitehead WE, Belfort MA, Lapa DA, Acacio GL, Devlieger R, Hirose S, Farmer DL, Van Calenbergh F, Adzick NS, Johnson MP, Deprest J. Learning curves of open and endoscopic fetal spina bifida closure: a systematic review and meta-analysis. Ultrasound Obstet Gynecol. 2019 Jun;55(6):730-39. doi:10.1002/uog.20389. PMID: 31273862.

Yamashiro KJ, Galganski LA, Hirose S. Fetal myelomeningocele repair. Semin Pediatr Surg. 2019 Aug;28(4):150823. doi:10.1053/j.sempedsurg.2019.07.006. Epub 2019 Jul 18. PMID:31451171.

Yamashiro KJ, Galganski LA, Hirose S. What you need to know about maternal-fetal medicine. Semin Pediatr Surg. 2019 Aug;28(4):150822. doi:10.1053/j.sempedsurg.2019.07.005. Epub 2019 Jul 18. PMID:31451176.

Galganski LA, Hirose S, Saadai P. Resection of a thoracoabdominal ganglioneuroma via a retroperitoneal minimally invasive approach. J Pediatr Surg Case Rep. 2019 Jan;40:47-49. doi: 10.1016/j.epsc.2018.10.012. Epub 2018 Oct 25. PMID:31745453.

UCDAVIS HEALTH



Shinjiro Hirose, M.D.

Anderson JE, Cheng Y, Stephenson JT, Saadai P, Stark RA, Hirose S. Incidence of Gastroschisis in California. JAMA Surg. 2018 Nov 1;153(11):1053-1055. doi:10.1001/jamasurg.2018.1744. PMID: 30046825.

© 2024 UC Regents

UCDAVIS HEALTH