

Russell K. Woo, M.D., FACS, FAAP
Curriculum Vitae

Contact Information:

Russell K. Woo, M.D.
Pediatric Surgery
Kapi'olani Medical Center for Women and Children

[REDACTED]

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[REDACTED]

Updated: 01/27/2025

POSITIONS, TRAINING, EDUCATION

Current Academic / Faculty Appointments:

- | | |
|--------------|--|
| 2024-current | Associate Dean for Clinical Programs
John A. Burns School of Medicine
University of Hawaii
Honolulu, HI
Chief Academic Officer, Hawaii Pacific Health Medical Group |
| 2023-current | Clinical Professor of Pediatrics
Department of Pediatrics, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2021-current | Professor of Surgery (<i>Primary Appointment</i>)
Division Chief for Pediatric Surgery
Department of Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2021-current | Director of Surgical Education
Kapiolani Medical Center for Women and Children
Department of Surgery, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2015-current | Graduate Faculty - Associate Cooperating Member
Department of Mechanical Engineering, College of Engineering
University of Hawai'i at Manoa |

Honolulu, HI

Previous Academic / Faculty Appointments:

- | | |
|-----------|--|
| 2018-2024 | Associate Chair for Research
Department of Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2021-2024 | Professor and Director of Medical Student Research
Office of the Associate Dean for Research
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2019-2023 | Associate Clinical Professor of Pediatrics
Department of Pediatrics, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2014-2021 | Associate Professor of Surgery
Department of Surgery, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2012-2019 | Assistant Clinical Professor of Pediatrics
Department of Pediatrics, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |
| 2009-2014 | Assistant Clinical Professor of Surgery
Department of Surgery, Division of Pediatric Surgery
John A. Burns School of Medicine
University of Hawai'i
Honolulu, HI |

Education:

- | | |
|---------------|---|
| 8/1992-5/1996 | University of Southern California
Los Angeles, CA
B.S. Biomedical Engineering |
| 8/1996-5/2000 | Yale University School of Medicine
New Haven, CT
Doctor of Medicine |

Postgraduate Training:

- 6/2000-6/2002 Stanford University Hospital and Clinics
Palo Alto, CA
Internship and Residency in General Surgery
- 7/2002-6/2003 Stanford University Hospital and Clinics
Palo Alto, CA
Postdoctoral Research Fellowship
Stanford – Intuitive Surgical, Surgical Robotics Fellowship
- 7/2003-6/2004 Stanford University Hospital and Clinics
Palo Alto, CA
Stanford University Department of Bioengineering, Biodesign Innovation Fellowship
- 7/2004-6/2006 Stanford University Hospital and Clinics
Palo Alto, CA
Residency in General Surgery (completion after research)
- 7/2006-6/2007 Stanford University Hospital and Clinics
Palo Alto, CA
Chief Residency in General Surgery
- 7/2007-6/2009 Children's Hospital Los Angeles
Los Angeles, CA
Chief Residency in Pediatric Surgery

Hospital Appointments

- 9/2009-current Active medical staff
Kapi'olani Medical Center for Women and Children (Hawai'i Pacific Health)
1319 Punahou Street, Honolulu, HI 96826
- 9/2009-current Active medical staff
Kaiser Permanente, Moanalua Medical Center and Clinic
3288 Moanalua Road, Honolulu, HI 96819
- 12/2009-current Affiliate medical staff
Tripler Army Medical Center
1 Jarrett White Road, Honolulu, HI 96859
- 8/2010-1/2024 Courtesy medical staff
The Queen's Medical Center
1301 Punchbowl Street, Honolulu, HI 96813

Licensing and Certification:

- Hawaii State medical license: # 15320
- American Board of Surgery – Certification in General Surgery (continuous certification)
- American Board of Surgery – Specialty certification in Pediatric Surgery (continuous certification)
- Advanced Cardiac Life Support

RESEARCH/SCHOLARSHIP

Google Scholar accessed 08/23/2024: [h-index 24, i10-index 35.](#)

Scientific Peer-Reviewed Journal Publications:

- 1) Stowers PN, Stickley E, **Woo R**, Bratincsak A. Supplement use among a diverse sample of perimenopausal and menopausal women in rural Hawai'i. *Rural Remote Health*. 2025 Mar;25(1):9490. doi: 10.22605/RRH9490. Epub 2025 Mar 24. PMID: 40123331.
- 2) Lee PM, Harvey C, Snyder E, Singh S, Desai K, Tabak B, Johnson S, Puapong D, **Woo R**. The Disproportionate Increase in Pediatric Laparoscopic Cholecystectomies During the COVID-19 Pandemic. *J Surg Res*. 2025 Feb 24;307:93-99. doi: 10.1016/j.jss.2025.01.008. Epub ahead of print. PMID: 39999510.
- 3) Snyder EM, Abella MK, Yoon IJ, Lee AY, Singh SA, Harvey CJ, Puapong DP, **Woo RK**. Effect of physician specialty training on pediatric appendectomy outcomes: an NSQIP-P analysis. *Pediatr Surg Int*. 2024 Nov 10;40(1):302. doi: 10.1007/s00383-024-05891-x. PMID: 39522112.
- 4) Singh SA, Balaraman KK, Johnson MI, Balaraman V, Puapong DP, Johnson SM, Tabak BD, **Woo RK**. The Assessment and Management of Biliary Atresia in Hawai'i, 2009-2023. *Hawaii J Health Soc Welf*. 2024 Oct;83(10):268-273. doi: 10.62547/NUOX8943. PMID: 39371585
- 5) Fujiwara S, Leibovitch E, Harada K, Nishimura Y, **Woo R**, Otsuka F, Bhagavathula AS. Trends in adverse effects of medical treatment in Paediatric populations in the United States: A global burden of disease study, 2000-2019. *Paediatr Perinat Epidemiol*. 2024 Sep 3. doi: 10.1111/ppe.13116. Online ahead of print. PMID: 39225176
- 6) Gutierrez JV, Johnson L, Desai K, Tabak B, **Woo RK**. Timing of Kasai Procedure for Biliary Atresia: An Analysis of the Pediatric National Surgical Quality Improvement Program Database. *J Surg Res*. 2024 Aug 19;301:681-685. doi: 10.1016/j.jss.2024.07.002. Online ahead of print. PMID: 39163800
- 7) González R, Poenaru D, **Woo R**, Trappey AF 3rd, Carter S, Darcy D, Encisco E, Gulack B, Miniati D, Tombash E, Huang EY; Pediatric Surgery ChatGPT Collaborative Group. ChatGPT: What Every Pediatric Surgeon Should Know About Its Potential Uses and Pitfalls. *J Pediatr Surg*. 2024 Jan 14:S0022-3468(24)00010-1. doi: 10.1016/j.jpedsurg.2024.01.007. Epub ahead of print. PMID: 38336588.
- 8) Daquioag K, Seidi E, **Woo R**, Miller S. Effect of Customized Ride on Car Experience on Development of Pediatric Patients. *Proceedings of the 2023 IEEE Asia-Pacific Conference on Computer Science and Data Engineering, CSDE 2023, December 2023*. DOI: 10.1109/CSDE59766.2023.10487750.
- 9) Ramos, AK.K.J., Teramae, T.R., Liang, C.G.Z., Brazer M.L., **Woo, R.K.** The complexities in diagnosing intradiaphragmatic extrapulmonary sequestration: a case report. *Ann Pediatr Surg* 19, 35 (2023). <https://doi.org/10.1186/s43159-023-00270-y>.

- 10) Nguyen SH, Abella M, Gutierrez JV, Tabak B, Puapong D, Johnson S, **Woo RK**. Robotic Surgery for Pediatric Choledochal Cysts: An American Case Series and Literature Review. *J Surg Res*. 2023;291:473-479. doi:10.1016/j.jss.2023.06.034.
- 11) Abella, MKIL, Maka, P, Lee, AY, Yoshida, K, **Woo, RK**. Racial Disparities in General Surgical Outcomes. *J Surg Res*. 2023 Aug;288:261-268. doi: 10.1016/j.jss.2023.03.010. Epub 2023 Apr 6. PMID: 37030184.
- 12) Shirriff, A, Gragas, A, Tabak, B, Ahn, HJ, **Woo, R**. Efficacy of Telehealth in Preoperative Pediatric Surgery Consultations. *J Surg Res*. 2023 Aug;288:240-245. doi: 10.1016/j.jss.2023.03.009. Epub 2023 Apr 6. PMID: 37030181.
- 13) Abella MKIL, Lee AY, Kitamura RK, Ahn HJ, **Woo RK**. Disparities and Risk Factors for Surgical Complication in American Indians and Native Hawaiians. *J Surg Res*. 2023 Aug;288:99-107. doi: 10.1016/j.jss.2023.02.016. Epub 2023 Mar 22. PMID: 36963299.
- 14) Bram R, Bram J, Beaman A, Lee A, Lu M, Yheulon C, Tabak B, **Woo R**. High Rates of Pediatric Venous Thromboembolism After Elective Laparoscopic Splenectomy Suggest Need for Perioperative Prophylaxis. *J Surg Res*. 2023 Apr 27;289:135-140. doi: 10.1016/j.jss.2023.03.041. Online ahead of print. PMID: 37119614.
- 15) Lee WG, Evans LL, Johnson SM, **Woo RK**. The Evolving Use of Magnets in Surgery: Biomedical Considerations and a Review of Their Current Applications. *Bioengineering* (Basel). 2023 Apr 1;10(4):442. doi: 10.3390/bioengineering10040442. PMID: 37106629.
- 16) Shao C, Tsai S, **Woo R**, Dream S. Becoming a Sustainable Academic Surgeon. *J Surg Res*. 2022 Nov 25;283:606-610. doi: 10.1016/j.jss.2022.10.091. Online ahead of print. PMID: 36442260.
- 17) Mahoney RC, **Woo RK**, Puapong DP, Johnson SM. Surgical Management of an Intrahepatic Type II Choledochal Cyst. *ACS Case Reviews in Surgery*. 2022; 3(7):34-37.
- 18) Gaucher, D., Trimble, A. Z., Yamamoto, B., Seidi, E., Miller, S., Vossler, J., Mahoney, R., Bellomy, R., Heilbron, W., Harvey, S., Johnson, S., Puapong, D., Ahn, H. J., and **Woo, R**. (January 11, 2022). "The Multi Split Ventilator System: Performance Testing of Respiratory Support Shared by Multiple Patients." *ASME. J. Med. Devices*. doi: <https://doi.org/10.1115/1.4053499>.
- 19) Sakamoto R, Vossler J, **Woo R**. Predictors of Morbidity Following Enterostomy Closure in Infants: An American College of Surgeons Pediatric National Surgical Quality Improvement Program Database Analysis. *Hawaii J Health Soc Welf*. 2021 Nov;80(11 Suppl 3):27-30. PMID: 34820632.
- 20) Taylor L, Kimata C, Siu AM, Andrews SN, Purohit P, Yamauchi M, Bratinscak A, **Woo R**, Nakasone CK, Lim SY. Osteoporosis treatment rates after hip fracture 2011-2019 in Hawaii: Undertreatment of men after hip fractures. *Osteoporos Sarcopenia*. 2021 Sep;7(3):103-109. doi: 10.1016/j.afos.2021.08.002. Epub 2021 Sep 6. PMID: 34632113; PMCID: PMC8486619.
- 21) Marison SR Jr, Pati B, Laferriere NR, **Woo RK**, Ha A. Unexpected diagnosis of acute lymphoblastic leukemia in a 2-year-old with acute appendicitis - Case report. *Int J Surg Case Rep*. 2021 Jun 9;84:106077. doi: 10.1016/j.ijscr.2021.106077. PMID: 34167071.
- 22) Gaucher DJ, Trimble AZ, Yamamoto BE, Miller SF, Vossler JD, Mahoney RC, Bellomy RL, Heilbron WR, Harvey SA, Johnson SM, Puapong DP, **Woo RK**. The Multisplit Ventilator System: Design and Function of a Regulated, Shared Ventilator System. *Journal of Medical*

Devices. Jun 2021, 15(2): 021008. doi.org/10.1115/1.4049397. Published Online: January 8, 2021

- 23) **Woo RK**. Commentary on can complex surgical interventions be standardized? Reaching international consensus on Posterior sagittal anorectoplasty using a modified-Delphi method. *J Pediatr Surg*. 2021 Mar 2:S0022-3468(21)00193-7. doi: 10.1016/j.jpedsurg.2021.02.059. PMID: 33775403.
- 24) Johnson SM, Puapong DP, Peebles C, Ishihara KB, Bogenberger KJ, **Woo RK**. A combined medical.surgical appendicitis pathway decreases pediatric CT utilization, perforation, and negative appendectomy rates. *Annals of Pediatric Surgery*. 2020 Nov. 16(1). doi: 10.1186/s43159-020-00020-4.
- 25) Laferriere NR, Saruwatari M, Doan XL, Ishihara KB, Puapong DP, Johnson SM, **Woo RK**. Telehealth delivery of outpatient pediatric surgical care in Hawai'i: An opportunity analysis. *Hawaii J Health Soc Welf*. 2020 May 1;79(5 Suppl 1):19-23. PMID: 32490381; PMCID: PMC7260862.
- 26) Johnson SM, Lee WG, Puapong DP, **Woo RK**. The Pediatric Surgical Team: A model for increased surgeon index case exposure. *J Pediatr Surg*. 2019 Sep;54(9):1878-1883. doi: 10.1016/j.jpedsurg.2018.12.018. Epub 2019 Jan 21. PMID: 30765153.
- 27) Sceats LA, Morris AM, Narayan RR, Mezynski A, **Woo RK**, Yang GP. Lost in translation: Informed consent in the medical mission setting. *Surgery*. 2019 Feb;165(2):438-443. doi: 10.1016/j.surg.2018.06.010. Epub 2018 Jul 27. PMID: 30061041.
- 28) Morikawa N, Laferriere N, Koo S, Johnson S, **Woo R**, Puapong D. Cryoanalgesia in patients undergoing nuss repair of pectus excavatum: Technique modification and early results. *J Laparoendosc Adv Surg Tech A*. 2018 Sep;28(9):1148-1151. doi: 10.1089/lap.2017.0665. Epub 2018 Apr 19. PMID: 29672193.
- 29) Souther C, Puapong DP, **Woo R**, Johnson SM. Possible etiologies of increased incidence of gastroschisis. *Pediatr Surg Int*. 2017 Nov;33(11):1209-1213. doi: 10.1007/s00383-017-4166-4. Epub 2017 Sep 26. PMID: 28952022.
- 30) **Woo R**, Wong CM, Trimble Z, Puapong D, Koehler S, Miller S, Johnson S. Magnetic compression stricturoplasty for treatment of refractory esophageal strictures in children: Technique and Lessons Learned. *Surg Innov*. 2017 Oct;24(5):432-439. doi: 10.1177/1553350617720994. Epub 2017 Jul 26. PMID: 28745145.
- 31) Richards CR, Clark ME, Sutherland RS, **Woo RK**. Retrospective review of pediatric blunt renal trauma: A single institution's five-year experience. *Hawaii J Med Public Health*. 2017 May;76(5):119-122. PMID: 28484665; PMCID: PMC5418535.
- 32) Konh B, **Woo RK**, Miller S. Design and fabrication of a MirtaClip locator prototype for percutaneous transcatheter mitral valve repair system. *ASME. Frontiers in Biomedical Devices, 2017 Design of Medical Devices Conference* ();V001T01A011. doi:10.1115/DMD2017-3468.
- 33) Hennigan K, Miller S, Kabbur P, **Woo R**. (2017) The development of a novel positioning system to improve pulmonary outcomes in critically ill patients. *ASME. International Manufacturing Science and Engineering Conference, Volume 4: Bio and Sustainable Manufacturing* ();V004T05A009. doi:10.1115/MSEC2017-2992.

- 34) Ng J, Johnson J, Miller S, Newton K, Roe T, **Woo R**. Electromagnetic suspension system for control of limb volume in prosthetics. *Procedia CIRP*, Volume 65, 2017, Pages 180-183, ISSN 2212-8271, <http://dx.doi.org/10.1016/j.procir.2017.04.047>.
- 35) Esquivel MM, Chen JC, **Woo RK**, Siegler N, Maldonado-Sifuentes FA, Carlos-Ochoa JS, Cardona-Diaz AR, Uribe-Leitz T, Siegler D, Weiser TG, Yang GP. Why do patients receive care from a short-term medical mission? Survey study from rural Guatemala. *J Surg Res*. 2017 Jul;215:160-166. doi: 10.1016/j.jss.2017.03.056. Epub 2017 Apr 6. PMID: 28688642.
- 36) Isaac-Lowry OJ, Okamoto S, Pedram SA, **Woo R**, Berkelman P. Compact teleoperated laparoendoscopic single-site robotic surgical system: Kinematics, control, and operation. *Int J Med Robot*. 2017 Dec;13(4):10.1002/rcs.1811. doi: 10.1002/rcs.1811. Epub 2017 Mar 27. PMID: 28345294; PMCID: PMC5617806.
- 37) SECTION ON SURGERY; COMMITTEE ON BIOETHICS; AMERICAN PEDIATRIC SURGICAL ASSOCIATION NEW TECHNOLOGY COMMITTEE. Responsible innovation in children's surgical care. *Pediatrics*. 2017 Jan;139(1):e20163437. doi: 10.1542/peds.2016-3437. PMID: 28025237.
- 38) Johnson SM, Garnett GM, **Woo RK**. A technique for re-utilizing catheter insertion sites in children with difficult central venous access. *Pediatr Surg Int*. 2017 Jan;33(1):113-117. doi: 10.1007/s00383-016-3993-z. Epub 2016 Oct 14. PMID: 27743023.
- 39) Clark ME, **Woo RK**, Johnson SM. Thoracoscopic pleural clipping for the management of congenital chylothorax. *Pediatr Surg Int*. 2015 Dec;31(12):1133-7. doi: 10.1007/s00383-015-3760-6. Epub 2015 Aug 15. PMID: 26276425.
- 40) **Woo RK**, Skarsgard ED. Innovating for quality and value: Utilizing national quality improvement programs to identify opportunities for responsible surgical innovation. *Semin Pediatr Surg*. 2015 Jun;24(3):138-40. doi: 10.1053/j.sempedsurg.2015.02.013. Epub 2015 Mar 4. PMID: 25976151.
- 41) Koehler S, Jinbo A, Johnson S, Puapong D, de Los Reyes C, **Woo R**. Negative pressure dressing assisted healing in pediatric burn patients. *J Pediatr Surg*. 2014 Jul;49(7):1142-5. doi: 10.1016/j.jpedsurg.2014.02.040. Epub 2014 Feb 17. PMID: 24952804.
- 42) Garnett GM, Kimball S, Melish ME, Thompson KS, Puapong DP, Johnson SM, **Woo RK**. Appendicitis as the presenting manifestation of Kawasaki disease. *Pediatr Surg Int*. 2014 May;30(5):549-52. doi: 10.1007/s00383-013-3439-9. Epub 2013 Dec 7. PMID: 24317813.
- 43) Johnson SM, Itoga N, Garnett GM, Kilcommons M, Puapong DP, **Woo RK**. Increased risk of cardiovascular perforation during ECMO with a bicaval, wire-reinforced cannula. *J Pediatr Surg*. 2014 Jan;49(1):46-49; discussion 49-50. doi: 10.1016/j.jpedsurg.2013.09.029. Epub 2013 Oct 8. PMID: 24439579.
- 44) Garnett GM, Kang KH, Jaksic T, **Woo RK**, Puapong DP, Kim HB, Johnson SM. First STEPs: serial transverse enteroplasty as a primary procedure in neonates with congenital short bowel. *J Pediatr Surg*. 2014 Jan;49(1):104-7; discussion 108. doi: 10.1016/j.jpedsurg.2013.09.037. Epub 2013 Oct 5. PMID: 24439591.
- 45) Garnett GM, Kimball S, Kon K, **Woo RK**. Pulmonary artery pseudoaneurysm after MRSA septicemia in a pediatric patient. *J Pediatr Surg*. 2013 May;48(5):E33-6. doi: 10.1016/j.jpedsurg.2013.03.070. PMID: 23701806.

- 46) Kosut JS, Johnson SM, King JL, Garnett G, **Woo RK**. Successful treatment of rare-earth magnet ingestion via minimally invasive techniques: a case series. *J Laparoendosc Adv Surg Tech A*. 2013 Apr;23(4):405-8. doi: 10.1089/lap.2012.0461. PMID: 23573888.
- 47) Johnson SM, Grace N, Edwards MJ, **Woo R**, Puapong D. Thoracoscopic segmentectomy for treatment of congenital lung malformations. *J Pediatr Surg*. 2011 Dec;46(12):2265-9. doi: 10.1016/j.jpedsurg.2011.09.012. PMID: 22152862.
- 48) Chandra V, Nehra D, Parent R, **Woo R**, Reyes R, Hernandez-Boussard T, Dutta S. A comparison of laparoscopic and robotic assisted suturing performance by experts and novices. *Surgery*. 2010 Jun;147(6):830-9. doi: 10.1016/j.surg.2009.11.002. Epub 2009 Dec 31. PMID: 20045162.
- 49) Petrosyan M, Estrada J, Hunter C, **Woo R**, Stein J, Ford HR, Anselmo DM. Esophageal atresia/tracheoesophageal fistula in very low-birth-weight neonates: improved outcomes with staged repair. *J Pediatr Surg*. 2009 Dec;44(12):2278-81. doi: 10.1016/j.jpedsurg.2009.07.047. PMID: 20006009.
- 50) Jackson SR, Guner YS, **Woo R**, Randolph LM, Ford H, Shin CE. L1CAM mutation in association with X-linked hydrocephalus and Hirschsprung's disease. *Pediatr Surg Int*. 2009 Sep;25(9):823-5. doi: 10.1007/s00383-009-2420-0. Epub 2009 Jul 30. PMID: 19641926; PMCID: PMC2734257.
- 51) Dutta S, Nehra D, **Woo R**, Cohen I. Laparoscopic resection of a benign liver tumor in a child. *J Pediatr Surg*. 2007 Jun;42(6):1141-5. doi: 10.1016/j.jpedsurg.2007.01.045. PMID: 17560238.
- 52) Dutta S, **Woo R**, Albanese CT. Minimal access portoenterostomy: advantages and disadvantages of standard laparoscopic and robotic techniques. *J Laparoendosc Adv Surg Tech A*. 2007 Apr;17(2):258-64. doi: 10.1089/lap.2006.0112. PMID: 17484663.
- 53) Krummel TM, Gertner M, Makower J, Milroy C, Gurtner G, **Woo R**, Riskin DJ, Binyamin G, Connor JA, Mery CM, Shafi BM, Yock PG. Inventing our future: training the next generation of surgeon innovators. *Semin Pediatr Surg*. 2006 Nov;15(4):309-18. doi: 10.1053/j.sempedsurg.2006.07.011. PMID: 17055962.
- 54) **Woo R**, Le D, Albanese CT, Kim SS. Robot-assisted laparoscopic resection of a type I choledochal cyst in a child. *J Laparoendosc Adv Surg Tech A*. 2006 Apr;16(2):179-83. doi: 10.1089/lap.2006.16.179. PMID: 16646713.
- 55) Amin Z, **Woo R**, Danford DA, Froemming SE, Reddy VM, Lof J, Overman D. Robotically assisted periventricular closure of perimembranous ventricular septal defects: preliminary results in Yucatan pigs. *J Thorac Cardiovasc Surg*. 2006 Feb;131(2):427-32. doi: 10.1016/j.jtcvs.2005.10.034. Epub 2006 Jan 18. PMID: 16434274.
- 56) Le DM, **Woo RK**, Sylvester K, Krummel TM, Albanese CT. Laparoscopic resection of type 1 choledochal cysts in pediatric patients. *Surg Endosc*. 2006 Feb;20(2):249-51. doi: 10.1007/s00464-005-0151-4. Epub 2005 Dec 28. PMID: 16391960.
- 57) Peters CA, **Woo R**. Intravesical robotically assisted bilateral ureteral reimplantation. *J Endourol*. 2005 Jul-Aug;19(6):618-21; discussion 621-2. doi: 10.1089/end.2005.19.618. PMID: 16053348.
- 58) Mariano ER, Furukawa L, **Woo RK**, Albanese CT, Brock-Utne JG. Anesthetic concerns for robot-assisted laparoscopy in an infant. *Anesth Analg*. 2004 Dec;99(6):1665-7, table of contents. doi: 10.1213/01.ANE.0000137394.99683.66. PMID: 15562050.

- 59) Walsh MF, **Woo RK**, Gomez R, Basson MD. Extracellular pressure stimulates colon cancer cell proliferation via a mechanism requiring PKC and tyrosine kinase signals. *Cell Prolif*. 2004 Dec;37(6):427-41. doi: 10.1111/j.1365-2184.2004.00324.x. PMID: 15548175; PMCID: PMC6495684.
- 60) **Woo R**, Le D, Krummel TM, Albanese C. Robot-assisted pediatric surgery. *Am J Surg*. 2004 Oct;188(4A Suppl):27S-37S. doi: 10.1016/j.amjsurg.2004.08.017. PMID: 15476649.
- 61) Luebke B, **Woo R**, Wolf S, Irish M. Robotically assisted minimally invasive surgery in a pediatric population: initial experience, technical considerations, and description of the da Vinci® Surgical System. *Pediatric Endosurgery and Innovative Tech*. 2003, 7(4), 384-408.
- 62) **Woo R**, Kavic S, Sanders M, Yu C, Basson M. Pressure stimulates proliferation in human colon cancer cells *in vitro*. *Yale Journal of Biology and Medicine*. 2000 Nov; 74: 69.
- 63) Khoo M, Berry R, Shin J, Asyali M, **Woo R**, Sadowsky P. Ventilator dynamics of arousal in obstructive sleep apnea syndrome (OSAS) during CPAP application. *American Journal of Critical Care Medicine*. 1996, 153(4): A568.

Book Chapters:

- 1) Slater B, **Woo RK**. The use of magnets in the treatment of congenital disorders. In Gegner M (ed): *Magnetic Surgery*. Springer Nature Switzerland AG, Cham, Switzerland. Pp85-94, 2021.
- 2) Dutta S, **Woo R**, Krummel T. Advanced and emerging surgical technologies and the process of innovation. In Coran A, Adzick S, Krummel T, Laberge J, Shamberger R, Caldamone A (eds): *Pediatric Surgery, 7th Edition*. Elsevier Inc., Philadelphia, PA, pp37-76, 2012.
- 3) **Woo R**, Le D, Gertner M. Robotic surgery. In Norton JA, Barie PS, Bollinger RR, Chang AE, Lowry SF, Mulvihill SJ, Pass HI, Thompson RW (eds): *Surgery: Basic Science and Clinical Evidence, 2nd Edition*. Springer-Verlag, New York, NY, pp 2355-2371, 2008.
- 4) **Woo R**, Albanese CT. Pediatric surgery. In Norton JA, Barie PS, Bollinger RR, Chang AE, Lowry SF, Mulvihill SJ, Pass HI, Thompson RW (eds): *Surgery: Basic Science and Clinical Evidence, 2nd Edition*. Springer-Verlag, New York, NY, pp 649-696, 2008.
- 5) **Woo R**, Krummel T. Advanced and emerging surgical technologies and the process of innovation. In Grosfeld J, O'Neill J, Coran A, Fonkalsrud E (eds): *Pediatric Surgery, 6th Edition*. Elsevier Inc., Philadelphia, PA, pp31-76, 2006.
- 6) **Woo R**, Albanese CT. Preoperative and postoperative management of the neonate and child. In Spitz L, Coran A (eds): *Operative Pediatric Surgery, 6th edition*. Arnold Health Sciences, London, England, pp 3-14, 2006.
- 7) Le D, **Woo R**, Albanese CT. Robotically assisted pediatric surgery. In Langer JC, Albanese CT (eds): *Pediatric Minimal Access Surgery: A Principle and Evidence-Based Approach*. Marcel Dekker, Inc. NY, NY, pp 479-493, 2005.
- 8) **Woo R**, Schulz R, Yang P, Adler J, Krummel T. Robotic radiosurgery for the general surgeon. In Mould RF (ed): *Robotic Radiosurgery: Volume 1*. The Cyberknife Society Press, Sunnyvale, CA, pp 375-392, 2005.

- 9) Jenkins D, **Woo R**, Greco R. The host response to implantable devices. In Greco RS, Prinz FB, Smith RL (eds): Nanoscale Technology in Biological Systems. CRC Press. Boca Raton, FL, pp 25-38, 2005.
- 10) **Woo R**, Jenkins D, Greco R. Biomaterials: Historical overview and current directions. In Greco RS, Prinz FB, Smith RL (eds): Nanoscale Technology in Biological Systems. CRC Press. Boca Raton, FL, pp 1-24, 2005.
- 11) Le D, **Woo R**, Kim D. Robotic endoscopic spine surgery. In Kim DH, Fessler RG and Regan JJ (eds): Endoscopic Spine Surgery and Instrumentation. Thieme Medical Publishers. New York, NY, pp 379-289, 2004.

Invited Publications:

- 1) Woo, R. Barber, A. Cooke, D. Evans, H. Keswani, S. Kirby, J. Martin, A. Sawyer, M. Sharma, J. Published 7/1/2022. *ACS Bulletin*. "Telemedicine in the COVID Era and Beyond: Overcoming Barriers to Improve Access to Care."

World Wide Web:

- 1) Johnson S, Bothamley D, Woo RK. Hacking Ventilators in a Pandemic. Published 8/13/2020. Published in: Covid-19, Hastings Bioethics Forum, Health Care Reform & Policy. Available online at: <https://www.thehastingscenter.org/hacking-ventilators-in-a-pandemic>.

National and International Refereed Conference and Symposium Presentations:

- 1) "The Disproportionate Increase in Pediatric Laparoscopic Cholecystectomies During the COVID-19 Pandemic." Lee, P, Harvey, H, Snyder, E, Singh, S, Desai, K, Tabak, B, Johnson, S, Puapong, D, **Woo R**. Society of Asian Academic Surgeons 2024 Annual Meeting, New Orleans, LA, September 2024.
- 2) "Effect of Physician Specialty Training on Pediatric Appendectomy Outcomes: A National Analysis." Snyder, E, Abella, M, Yoon, I, Lee, A, **Woo, R**. American College of Surgeons Clinical Congress 2023, Boston MA, October 2023.
- 3) "Timing of Kasai Procedure for Biliary Atresia: An Analysis of the Pediatric NSQIP Database." Gutierrez, J, Johnson, L, Tabak, B, Puapong, D, Johnson, S, **Woo, R**. Society of Asian Academic Surgeons 2023 Annual Meeting, Baltimore, MD, September 2023.
- 4) "Trends of Pediatric Disease Burden Due to Adverse Effects of Medical Treatment from 1990 to 2019 in the United States." Leibovitch, E, Nishimura, Y, Lew, R, **Woo, R**. Society of Asian Academic Surgeons 2023 Annual Meeting, Baltimore, MD, September 2023.
- 5) "Racial and Ethnic Disparities in Pediatric Cancer Incidence among Children and Adolescents in Hawaii from 1990 to 2014." Liao, L, Hirata, T, Beaman, A, **Woo, R**, Lim S. 54th Congress of the International Society of Paediatric Oncology (SIOP 2022), Barcelona, Spain, October 2022.
- 6) "Efficacy of Preoperative Pediatric Telehealth Consultations: Diagnostic Accuracy and Cancellation Rates Compared to In-Person Visits." Shirriff, A, Gragas, A, Tabak, B, Ahn, HJ, **Woo, R**. Society of Asian Academic Surgeons 2022 Annual Meeting, Honolulu, HI, September 2022.

- 7) "High Rates of Pediatric Venous Thromboembolism After Elective Laparoscopic Splenectomy Suggest Need for Perioperative Prophylaxis. Brām, R, Bram, J, Beaman, A, Lee, A, Lu, M, Tabak, B, **Woo, R**. Society of Asian Academic Surgeons 2022 Annual Meeting, Honolulu, HI, September 2022.
- 8) "Robot-assisted Laparoscopic Surgery in Pediatric Choledochal Cysts: A North American Case Series." Nguyen SH, Abella M, Tabak B, Puapong D, Johnson S, **Woo RK**. Society of Asian Academic Surgeons 2022 Annual Meeting, Honolulu, HI, September 2022.
- 9) "Racial Disparities in General Surgical Outcomes for American Indians/Alaska Natives and Native Hawaiians/Pacific Islanders." Abella, M, Maka, P, Lee, A, Yoshida, K, **Woo, R**. Society of Asian Academic Surgeons 2022 Annual Meeting, Honolulu, HI, September 2022.
- 10) "Factors Contributing to Adverse Surgical Outcomes in American Indians/Alaska Natives and Native Hawaiians/Pacific Islanders." Abella, M, Maka, P, Lee, A, Yoshida, K, **Woo, R**. Society of Asian Academic Surgeons 2022 Annual Meeting, Honolulu, HI, September 2022.
- 11) "Robot-assisted Laparoscopic Surgery in Pediatric Choledochal Cysts: A North American Case Series." Nguyen SH, Abella M, Tabak B, Puapong D, Johnson S, **Woo RK**. 17th Annual Academic Surgical Congress in Orlando, FL. February 2022.
- 12) "Telehealth Delivery of Outpatient Pediatric Surgical Care in Hawai'i: An Opportunity Analysis." Laferriere N, Saruwatari, M., Doan, X., Ishihara, K., Puapong, D., Johnson, S. **Woo, R**. 14th Annual Academic Surgical Congress, Houston, TX, Feb 2019.
- 13) "Using External Measurements to Assess Severity of Pectus Excavatum." Puapong DP, Apana AL, Matsumoto M, Dihn T, Johnson SM, **Woo RK**. Society of Asian Academic Surgeons 2018 Annual Meeting, Milwaukee, WI, September 2018.
- 14) "Using External Measurements to Assess Severity of Pectus Excavatum." Puapong DP, Apana AL, Matsumoto M, Dihn T, Johnson SM, **Woo RK**. Pacific Association of Pediatric Surgeons 51st Annual Meeting, Sapporo, Japan, May 2018.
- 15) "Lost in Translation: A Mixed Methods Pilot Study of Informed Consent in the Medical Mission Setting." Sceats L, Narayan R, Mezynski A, **Woo R**, Morris A, Yang G. 13th Annual Academic Surgical Congress, Jacksonville, FL Jan 2018.
- 16) "A Pediatric Surgical Team Improves Surgeon Volume and Exposure to Index Pediatric Surgery Cases." Lee W, Puapong D, **Woo R**, Johnson S. 13th Annual Academic Surgical Congress, Jacksonville, FL Jan 2018.
- 17) "A pediatric appendicitis pathway that includes antibiotic therapy and/or surgery results in improved perforation and negative appendectomy rates while decreasing the rates of unnecessary CT and surgery." Johnson S, Puapong D, **Woo R**. American Pediatric Surgical Association 48th Annual Meeting, Hollywood, FL, May 2017.
- 18) "Ipsilateral Cryoanalgesia for Patients Undergoing Nuss Repair: Technique Modification and Early Results." Puapong D, **Woo R**, Johnson S. Pacific Association of Pediatric Surgeons 50th Annual Meeting, Seattle, Washington, May 2017.
- 19) "NSQIP Based Case Review versus Traditional Peer Review at a Single Children's Hospital." **Woo R**, Parker A, Puapong D, Martyniuk D, Lum E, Phomsopha L, Kennedy-Smith S, Johnson S. 2016 ACS NSQIP Conference. San Diego, CA, July 2016.

- 20) "Possible etiologies of increased incidence of gastroschisis". Souther C, Puapong P, **Woo R**, Johnson S. Pacific Association of Pediatric Surgeons 49th Annual Meeting, Kaua'i, Hawai'i, April 2016.
- 21) "Thoracoscopic pleural clipping for the management of congenital chylothorax." Clark ME, **Woo RK**, Johnson SM. American Pediatric Surgical Association 46th Annual Meeting, Fort Lauderdale, Florida, May 2015.
- 22) "Cardiovascular perforations during ECMO: are all cannulas the same?" Johnson S, Itoga N, Garnett G, Kilcommons M, Puapong D, **Woo R**. American Pediatric Surgical Association 44th Annual Meeting, Marco Island, Florida, May 2013.
- 23) "A novel neonatal positioning system for ECMO cannulation and therapy". Trimble A, Miller S, Puapong D, Hijirida J, Lee Choy M, Ling S, Neill B, Vo M, Tyree M, Johnson S, **Woo RK**. American Pediatric Surgical Association 44th Annual Meeting, Marco Island, Florida, May 2013.
- 24) "First STEPS: serial transverse enteroplasty as a primary procedure in neonates with congenital short bowel." Garnett G, Kang K, Jaksic T, **Woo R**, Puapong D, Kim H, Johnson S. American Pediatric Surgical Association 44th Annual Meeting, Marco Island, Florida, May 2013.
- 25) "Magnetic compression stricturoplasty for treatment of refractory esophageal strictures in children: technique and lessons learned." **Woo RK**, Trimble Z, Puapong D, Koehler S, Miller S, Johnson S. Pacific Association of Pediatric Surgeons 46th Annual Meeting, Hunter Valley, Australia, April 2013.
- 26) "Wound Vacuum Assisted Healing in Pediatric Burn Patients." Koehler S, Johnson S, Puapong D, de Los Reyes C, Jinbo A, and **Woo RK**. Pacific Association of Pediatric Surgeons 45th Annual Meeting, Shanghai, China, June 2012.
- 27) "Minimally invasive surgical management of rare-earth magnet ingestion in children." Kosut J, Garnett G, King J, Puapong D, Johnson S, **Woo RK**. Pacific Association of Pediatric Surgeons 45th Annual Meeting, Shanghai, China, June 2012.
- 28) "Appendicitis as the presenting manifestation of Kawasaki disease". Garnett G, Kimball S, Puapong D, Melish M, Johnson S, **Woo RK**. Pacific Association of Pediatric Surgeons 45th Annual Meeting, Shanghai, China, June 2012.
- 29) "Clinically Driven Design and Development Course at the University of Hawai'i." Miller S, Steinemann S, **Woo R**. Thinking out of the Box Luncheon presentation. Association for Surgical Education Annual Meeting, San Diego, CA, March 2012.
- 30) "Application of single-pass albumin dialysis to treat hyperbilirubinemia in a neonate on ECMO." Garnett GM, Kuo S, Tyree MM, Tanaka LY, Harrington JJ, Kilcommons M, Costales K, Johnson SM, **Woo RK**. 28th Annual CNMC Symposium: ECMO & the Advanced Therapies for Respiratory Failure, Keystone, CO, February 2012.
- 31) "Thoracoscopic segmentectomy for treatment of congenital lung malformations." Johnson SM, Grace N, Edwards MJ, **Woo R**, Puapong D. Pacific Association of Pediatric Surgeons 44th Annual Meeting, Cancun, Mexico, April 2011.
- 32) "Esophageal atresia/tracheoesophageal fistula in very low-birth-weight neonates: improved outcomes with staged repair." Petrosyan M, Estrada J, Hunter C, **Woo R**, Stein J, Ford HR, Anselmo DM. 42nd Annual Meeting of the Pacific Association of Pediatric Surgeons, Hong Kong, China, May 10-14, 2009.

- 33) "Outcome of venovenous ECMO is comparable to venoarterial ECMO for congenital diaphragmatic hernia (CDH)." Guner Y, Qureshi F, Chokshi N, Choo P, **Woo R**, Dorey F, Ford H. 39th American Pediatric Surgical Association Annual Meeting. Phoenix, AZ. May 2008.
- 34) "Novel, ergonomic handle designs for laparoscopic instrumentation." **Woo R**, Summers P, Dutta S et al. 16th Annual Congress for Endosurgery in Children, Buenos Aires, Argentina, September 2007.
- 35) "Robot-assisted Ladd's procedure." **Woo R**, Caffarelli A, Dutta S. 15th Annual Congress for Endosurgery in Children, Dallas, TX, April 2006.
- 36) "Advanced and emerging technologies: the surgeon's role in the process of innovation." **Woo R**, Krummel T, Albanese C. 14th Annual Congress for Endosurgery in Children, Venice, Italy, June 2005.
- 37) "Robot-assisted periventricular closure of perimembranous ventricular septal defects: initial experience in Yucatan pigs." Amin Z, **Woo R**, Danford D, Froemming S, Reddy V, Overman D. American Association for Thoracic Surgery 85th Annual Meeting, San Francisco, CA, April 13, 2005.
- 38) "The effect of sleep deprivation experienced in a simulated on-call period on surgical performance." **Woo R**, Greco R, Wapnir I, Colrain I. Associated Professional Sleep Societies 18th Annual Meeting, Philadelphia, PA, June 8, 2004.
- 39) "Laparoscopic resection of type 1 choledochal cysts in infants". Albanese C, Le D, **Woo R**, Sylvester K, Krummel T. 13th Annual Congress for Endosurgery in Children, Maui, HI, May 2004.
- 40) "Robot-assisted Kasai portoenterostomy in an infant with biliary atresia." **Woo R**, Le D, Krummel T, Furikawa L, Albanese C. 13th Annual Congress for Endosurgery in Children, Maui, HI, May 8th, 2004.
- 41) "Robot (DaVincitm)-assisted intravesical cross-trigonal ureteral reimplantation: feasibility study in a porcine model." **Woo R**, Yeung C, Hsu T, Saenz Y, Shortliffe L. Western Section American Urologic Association 79th Annual Meeting, Lake Las Vegas, NV, November 5, 2003.
- 42) "Totally endoscopic robotic assisted aortic valve replacement: initial technical feasibility studies." Sweezer W, Colburn B, **Woo R**. International Society of Minimally Invasive Cardiac Surgery 6th Annual Scientific Meeting, San Francisco, CA, June 19, 2003.
- 43) "Robotically assisted minimally invasive surgery in a pediatric population: initial experience, technical considerations, and description of the da Vinci[®] Surgical System." Luebbe B, **Woo R**, Wolf S, Irish M. 12th Annual Congress for Endosurgery in Children, Los Angeles, CA, March 2003.
- 44) "Pressure stimulates proliferation in human SW620 colon cancer cells via ERK activation." Walsh MF, **Woo R**, Grotelneschen R, Basson MD. American Gastroenterological Association Clinical Congress. San Francisco, CA. May 2002

National and International Invited Conference and Symposium Presentations:

- 1) Meet the Expert Tumor Board: "Pediatric Colon Cancer." Kyono, W, Kon, K, **Woo, R**, Killeen, J, Nakasone, E. 56th Congress of the International Society of Paediatric Oncology. Honolulu, HI. October 18, 2024.
- 2) "Current and Future Use of Wearables for Diagnostics and Collection of Data in Surgical Patients." **Woo RK**. American College of Surgeons Quality and Safety Conference. Minneapolis, Minnesota. July 12, 2023.
- 3) "The Use of Magnets in the Treatment of Congenital Disorders." **Woo R**, Berkelman P. 6th International Conference of Magnetic Surgery and Life Sciences. Xi'an, China. June 9th, 2023.
- 4) "Being a Good Citizen and Leader in your Institution." **Woo R**. Association for Academic Surgery / University of Hawaii: Pacific Rim Fundamentals of Surgical Research Course. Honolulu, HI. March 10-11, 2022.
- 5) "Magnet Based Treatments for Esophageal Disorders in Children: Clinical Considerations and Lessons Learned." **Woo, R**. Invited speaker. 5th International Conference of Magnetic Surgery and Minimally Invasive Interventional Medicine. Virtual. June 11, 2022.
- 6) "Telemedicine in Surgery: What's New" **Woo, R**. Invited Panel Session organizer and moderator. ACS Clinical Congress. Virtual. October 26, 2021.
- 7) "Telemedicine." Invited Discussant. Education APSAsode. American Pediatric Surgical Association Annual Meeting 2021. Virtual. May 2021.
- 8) "Neonatal Surgical Emergencies." **Woo, R**. 11th National Advanced Practice Neonatal Nurses Conference. Honolulu, HI. April 15, 2021.
- 9) "Surgical Innovation." **Woo R**. Association for Academic Surgery / University of Hawaii: Pacific Rim Fundamentals of Surgical Research Course. Honolulu, HI. April 14, 2021.
- 10) "Minimally Invasive Surgery in the Neonate." **Woo, R**. 14th National Advanced Practice Neonatal Nurses Conference. Honolulu, HI. April 22, 2017.
- 11) "Sustainable, quality-based innovation." **Woo RK**, Wall J. American Pediatric Surgical Association 47th Annual Meeting, San Diego, CA, May 2016.
- 12) "Neonatal Surgical Emergencies." **Woo, R**. 11th National Advanced Practice Neonatal Nurses Conference. Honolulu, HI. April 26, 2014.

Local and Regional Refereed Conference and Symposium Presentations:

- 1) "Successful Use of Indocyanine Green in a Pediatric Patient with Metastatic Hepatoblastoma: The First in Hawaii." Hirata, T, Liao, L, Si-Lim, S, Woo, R, Hutchins, K. University of Hawaii, John A. Burns School of Medicine, Biomedical Symposium, 2022.
- 2) "Predictors of morbidity following enterostomy closure in infants: An American College of Surgeons Pediatric National Quality Improvement Program database analysis." Sakamoto R, Vossler J, Woo R. Hawaii Chapter, American College of Surgeons 2020 Resident Research Competition.
- 3) "Pressure stimulates proliferation in human colon cancer cells *in vitro*." **Woo R**, Kavic S, Sanders M, Yu C, Basson M. Yale School of Medicine Student Research Day. New Haven, CT. May 2000.

Local and Regional Invited Conference and Symposium Presentations:

- 1) "So, you have an idea? The clinician's role in biomedical technology innovation." **Woo, R.**, Miller, S. Teaming Up for Hawai'i's Future: 12th Annual Collaborative Nurses Conference. Honolulu, HI. September 2016.
- 2) "Initial Resuscitation of the Injured Child." **Woo R.** Hawaiian Islands Trauma Symposium, Honolulu, HI, July 2015.
- 3) "Pediatric Surgical Emergencies: What is wrong with that baby?" **Woo, R.** Teaming Up for Hawai'i's Future: 10th Collaborative Nurses Conference. September 2014.
- 4) "Surgical Robotics and Medical Device Design." Miller S, Berkelman P, **Woo R.** Biomedical Engineering Symposium. University of Hawai'i College of Engineering and John A. Burns School of Medicine. Honolulu, Hawai'i, February 2012.
- 5) "Pediatric Burns." **Woo R.** 7th Collaborative Neonatal and Pediatric Nurses Conference, Honolulu, HI, September 2011.
- 6) "Pediatric Falls" **Woo R.** Hawaiian Islands Trauma Symposium, Honolulu, HI, July 2011.
- 7) "Stealth Surgery: Pediatric MIS without a Laparoscope." **Woo R.** The Queen's Medical Center Minimally Invasive Surgery Symposium, Honolulu, HI, February 2011.
- 8) "Zarynx: a novel device to prevent aspiration." **Woo R.**, Anderson E, Johnson J, Walke A, Richardson K. Stanford University Biodesign Program Final Presentations, Palo Alto, CA, June 2004.
- 9) "A novel device to perform cardiac resynchronization therapy to treat congestive heart failure." **Woo R.**, Anderson E, Johnson J, Walke A, Richardson K. Stanford University Biodesign Program Final Presentations, Palo Alto, CA, June 2004.
- 10) "An improved method of performing deep brain stimulation for the treatment of Parkinson's disease." **Woo R.**, Anderson E, Johnson J, Walke A, Richardson K. Stanford University Biodesign Program Final Presentations, Palo Alto, CA, June 2004.

Local Seminars Presented:

- 1) "Resident Didactic Conference: Lots of Pediatric Surgery in 1 hour." **Woo, R.** Department of Surgery Resident Didactic Session. Department of Surgery, John A. Burns School of Medicine. Honolulu, Hawai'i, May 2016.
- 2) "Pediatric Surgical Disorders/Diseases for the General Surgery Resident, Part 1." **Woo, R.** Department of Surgery Resident Didactic Session. Department of Surgery, John A. Burns School of Medicine. Honolulu, Hawai'i, May 2013.
- 3) "Pediatric Surgical Disorders/Diseases for the General Surgery Resident, Part 2." **Woo, R.** Department of Surgery Resident Didactic Session. Department of Surgery, John A. Burns School of Medicine. Honolulu, Hawai'i, May 2013.

Curriculum Development and Implementation:

- 1) Faculty Director: Hawaii Pacific Health Medical Group Clinical Research Training Program. 2020 – present.
- 2) Faculty Director: University of Hawaii, Department of Surgery, Resident Research Curriculum. 2018-present.
- 3) Certificate of Distinction program supervisor: Dean's Certificate of Distinction for Medical Innovation and Design. 2018 – present.
- 4) Faculty Director – MIND – Medical Innovation and Design -- Hawai'i Program (University wide collaborative health technology development program). 2017 – present.
- 5) Course director - Biomedical Technology: Clinically Driven Design and Development (undergraduate and graduate level, semester long engineering course). 2012 – 2016.

Editorial Appointments:

- 1) *Journal of Surgical Research* (Elsevier), Associate Editor. 2022 – present.

Ad-Hoc Peer Reviewer:

- 1) *Surgery*. 2014 – present.
- 2) *Journal of Surgical Research*. 2016 – present.
- 3) *Hawai'i Journal of Health and Social Welfare*. 2019 – present.
- 4) *Journal of Pediatric Surgery*. 2020 – present.
- 5) *ACS Case Reviews in Surgery*. 2020 – present.
- 6) *Epilepsy and Behavior*. 2020 – present.
- 7) *Children*. 2021 – present.
- 8) *Bioengineering*. 2022 – present.
- 9) *International Journal of Environmental Research and Public Health*. 2022 - present

Research and other External Support:

Current Funded Grants:

- 1) Title: Novel disease-electrocardiogram associations in inherited arrhythmia syndromes:
Funding Source: NIH, NLM R21 (1R21LM013818-01A1)
Monetary Amount: \$167, 040
Dates: 3/16/22 to 7/31/24
Role of Faculty Member: Co-Investigator
Principle Investigator: Andras Bratincsak, MD, PhD.
- 2) Title: Reducing Health Disparities for women and children in our community. Programmatic grant for the Biomedical Research and Innovation Center at HPH.
Funding Source: Myra W. and Jean Kent Angus Foundation
Monetary Amount: \$150,000
Dates: 1/1/24 to 12/31/26 (3 years)
Role of Faculty Member: Co-Principal Investigator

Principal Investigator: Andras Bratincsak, MD, PhD.

Grants in Revision or in Preparation:

- 1) NIH R25: iCARE (Implementation of Cancer Rehabilitation Curriculum Assessment: Educating University Students about Quality Survivorship Care). Role: PI in preparation with Dr. Paulette Yamada.
- 2) Hawaii Community Foundation Medical Research Grant: Research Infrastructure: A clinically relevant biomedical engineering laboratory for rapid development of strategic medical technologies. Role: Co-PI with Dr. Scott Miller.
- 3) NIH PA-20-195 (NLM): Exploratory/developmental research grant program (R21, no clinical trial). Title: Novel disease-electrocardiogram associations in inherited arrhythmia syndromes. Role: Co-PI with Dr. Andras Bratincsak.
- 4) NIH R21: Electromagnetic Motion Control for Endoscope Capsules through the Gastrointestinal Tract. Role: Co-PI with Dr. Peter Berkelman

Grants Completed:

05/2019 to 11/2020	"Compact Single-Port Teleoperated Robotic Surgery System Improvements and Validation." (Co-PI) Hawai'i Community Foundation Medical Research. (\$49,709.00 total support).
10/2014 to 10/2017	NIH R03 (5R03EB018593-02: Co-PI), 2014-2017, Title: Electromagnetic motion control for wireless endoscope capsules. (\$140,000 total support).
4/2014 to 10/2015	"The development of a novel positioning system to improve pulmonary outcomes in critically ill children." Leahi Fund to Treat and Prevent Pulmonary Diseases of the Hawai'i Community Foundation. (\$37,816 total support). Principle Investigator.
3/2014 – 8/2015	NCHIA (Co-PI), 2014-2015, Title: Biotechnology Venture Program Planning Grant. (\$8000 total support)
1/2012 – 12/20012	"Compact Single-Port Teleoperated Robotic Surgery". (Co-PI.) Intuitive Surgical Inc. Technology Grant. (\$45,000 total support).
6//2004 - 5/2005	"A novel device to perform cardiac resynchronization therapy to treat congestive heart failure". National Collegiate Inventors and Innovators Alliance Advanced E-Team Grant. (\$25,000 total support).
1/2004 -12/2005	"A novel device to perform cardiac resynchronization therapy to treat congestive heart failure". Stanford University Office of Technology Licensing Bird Seed Funding Grant. (\$24,400 total support).

Patents:

5/10/2016	Shim, Walton; Martin, Larry; Salle, John; Miller, Scott; Woo, Russell ; Berg, Benjamin; Yamakawa, Todd; So, Vincent; Hastings, Karl F. "Dynamically programmable abdominal simulator system."
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US Patent 20140272878, filed April 24, 2015, and issued May 10, 2016.

9/18/2014

Shim, Walton; Martin, Larry; Salle, John; Miller, Scott; **Woo, Russell**; Berg, Benjamin; Yamakawa, Todd; So, Vincent; Hastings, Karl F.
"Dynamically changeable abdominal simulator system."
US Patent 20140272878, filed August 12, 2013, and issued September 18, 2014.

TEACHING, TRAINING, MENTORING

International Teaching Activities:

Course Director:

1. Course Director, Association for Academic Surgery & University of Hawaii, Pacific Rim Fundamentals of Surgical Research Course, March 2022.
2. Course Director, Association for Academic Surgery & University of Hawaii, Pacific Rim Fundamentals of Surgical Research Course, April 2021.

Invited Speaker/Lecturer:

1. "Promotion and Tenure." Association for Academic Surgery & University of Hawaii, Pacific Rim Fundamentals of Surgical Research Course, March 2022.
2. "Citizenship and Leadership." "Promotion and Tenure." Association for Academic Surgery & University of Hawaii, Pacific Rim Fundamentals of Surgical Research Course, March 2022.
3. "Innovation Research." Association for Academic Surgery & University of Hawaii, Pacific Rim Fundamentals of Surgical Research Course, April 2021.

Undergraduate and Graduate Student Teaching Activities:

2017 – present: Faculty Director. Department of Mechanical Engineering. College of Engineering. MIND – Medical Innovation and Design -- Hawai'i Program (University wide collaborative health technology development program). *50+ students over 3 academic years.*

2012 – 2016. Course director. Department of Mechanical Engineering. College of Engineering. ME 696: Biomedical Technology: Clinically Driven Design and Development. 4-unit semester long course. *75+ students over 7 semesters.*

Medical Student Teaching Activities:

2017 – present: Faculty Director. Department Surgery. John A. Burns School of Medicine. MIND – Medical Innovation and Design -- Hawai'i Program (University wide collaborative health technology development program).

2018 – present: Faculty Director. Department Surgery. John A. Burns School of Medicine. MIND – Medical Innovation and Design -- Hawai'i Program. Dean's Certificate of Distinction Program on graduation.

2018 – present: 6L clinical preceptor. Department Surgery. John A. Burns School of Medicine.
 2012 – 2016. Course director. Department Surgery. John A. Burns School of Medicine. SURG 545: Biomedical Technology: Clinically Driven Design and Development. 4-unit semester long course.

Resident Physician Teaching Activities:

2018 – present: Faculty Director. Department Surgery. John A. Burns School of Medicine.
 General Surgery Resident Research Curriculum.
 2009 – present: Clinical faculty for the pediatric surgery rotation at Kapiolani Medical Center for Women and Children. Department Surgery. John A. Burns School of Medicine.
 2016 - present: Clinical faculty for the pediatric surgery rotation at Kapiolani Medical Center for Women and Children. Department Surgery. Tripler Army Medical Center.

Faculty Teaching Activities:

2020 – present: Director. Hawaii Pacific Health Medical Group Clinical Research Training Program. *Annual faculty development program.*

Thesis, Dissertation Committee Participation:

2018 – 2019 Senior Honor's Thesis. University of Hawaii at Manoa. Adam Guzman.
Understanding the injuries that are affecting surfers: a retrospective case study of surfers on the Hawaiian Islands.
 2016-2017 Master's Degree Thesis. Department of Mechanical Engineering, College of Engineering, University of Hawaii at Manoa. Kylie Hennigan. *The Development of a Novel Positioning System to Improve Pulmonary Outcomes in Critically Ill Patients.*

Select Undergraduate, Graduate, and Medical Student Mentorship:

	<u>Time period</u>	<u>Mentorship role</u>	<u>Project/Program</u>
Eli Snyder	2022-present	Medical student research assistant	National Analysis of Pediatric Appendectomies by Subspecialty Training
Emily Leibovitch	2022-present	Medical student research assistant	Bracing Effects on External Measurements for Pectus Carinatum
Eileen Chen	2019-2023	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Royce Kwon	2019-2023	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Enze Ma	2019-2023	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Amanda Beaman	2021-	Medical student research	High rates of pediatric venous

	present	assistant	thromboembolism after elective laparoscopic splenectomy suggest need for perioperative prophylaxis.
Michelle Lu	2021-present	Medical student research assistant	High rates of pediatric venous thromboembolism after elective laparoscopic splenectomy suggest need for perioperative prophylaxis.
Anson Lee	2021-present	Medical student research assistant	High rates of pediatric venous thromboembolism after elective laparoscopic splenectomy suggest need for perioperative prophylaxis.
Maveric Abella	2020-present	Medical student research assistant	Robot-assisted laparoscopic surgery in pediatric choledochal cysts: a north American case series.
Ashley Shirriff	2020-present	Medical student research assistant	Preoperative Telemedicine Consultation: Safety and Efficacy in Lieu of In-Person Evaluations Before Pediatric Surgeries
Vera Ong	2020-present	Medical student research assistant	Pediatric ECMO VA femoral artery cannulation outcome analysis.
Bryce Chang	2019-2021	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Jana Wieland	2019-2021	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Micah Hansen	2019-2021	MIND Hawaii Student Director (Business)	MIND Hawaii Certificate of Distinction Recipient.
William Lee	2017-2019	Medical student research assistant MIND Hawaii Student Director (medicine)	The pediatric surgical team: a model for increased surgeon index case exposure. MIND Hawaii Certificate of Distinction Recipient.
Kelly Huang	2017-2019	MIND Hawaii Student Director (medicine)	MIND Hawaii Certificate of Distinction Recipient.
Lansing Sugita	2017-2019	MIND Hawaii Student Director (engineering)	MIND Hawaii Certificate of Distinction Recipient.
Sylvia Koo	2016-2019	Undergraduate student research assistant MIND Hawaii Student Director (medicine)	Cryoanalgesia in patients undergoing nuss repair of pectus excavatum: technique modification and early results. MIND Hawaii Certificate of Distinction Recipient.
Michelle Saruwatari	2018	Medical student research assistant	Telehealth delivery of outpatient pediatric surgical care.
Xuan-Lan Doan	2018	Medical student research assistant	Telehealth delivery of outpatient pediatric surgical care.
Tran Dinh	2018	Undergraduate student research assistant	External measure index for pectus excavatum deformities.
Forrest Martin	2017-2018	MIND Hawaii Student Director (engineering)	MIND Hawaii Certificate of Distinction Recipient.
Freddie Wheeler	2017-2018	MIND Hawaii Student	MIND Hawaii Certificate of

		Director (engineering)	Distinction Recipient.
Nicole Morikawa	2016-2017	Medical student research assistant	Cryoanalgesia in patients undergoing nuss repair of pectus excavatum: technique modification and early results.
Kylie Hennigan	2016-2017	Graduate student research assistant	The development of a novel positioning system to improve pulmonary outcomes in critically ill patients.
Christopher Wong	2016-2017	Medical student research assistant MIND Hawaii Student Director	Magnetic compression stricturoplasty for treatment of refractory esophageal strictures in children.
Jed Johnson	2016	Undergraduate research assistant	Electromagnetic Suspension System for Control of Limb Volume in Prosthetics.
Nate Itoga	2014	Medical student research assistant	Increased risk of cardiovascular perforation during ECMO with a bicaval, wire-reinforced cannula.
Sarah Kimball	2012-2013	Medical student research assistant	Pulmonary artery pseudoaneurysm after MRSA septicemia in a pediatric patient. Appendicitis as the presenting manifestation of Kawasaki disease.
Nalani Grace	2010	Medical student research assistant	Thoracoscopic segmentectomy for treatment of congenital lung malformations.

Select Post-graduate Resident Physician Mentorship:

	<u>Time period</u>	<u>Mentorship role</u>	<u>Project</u>
William Lee	2023-present	Cedars Sinai GS Resident research collaborator	The evolving use of magnets in surgery: biomedical considerations and review of their current applications.
Scott Nguyen, MD	2020-2023	TAMC General Surgery Research Resident	Robot-assisted laparoscopic surgery in pediatric choledochal cysts: a north American case series.
Reid Mahoney, MD	2020-2022	UH General Surgery Resident Research Assistant	Pediatric ECMO VA femoral artery cannulation outcome analysis.
Scott Marison, MD	2019-2020	UH General Surgery Resident Research Assistant	Unexpected diagnosis of acute lymphoblastic leukemia in a 2-year-old with acute appendicitis – Case report.
Brooke Pati, MD	2019-2020	TAMC General Surgery Resident Research Assistant	Unexpected diagnosis of acute lymphoblastic leukemia in a 2-year-old with acute appendicitis – Case report.

Ally Ha, MD	2019-2020	TAMC General Surgery Resident Research Assistant	Unexpected diagnosis of acute lymphoblastic leukemia in a 2-year-old with acute appendicitis – Case report.
Reid Sakamoto, MD	2019-2020	UH General Surgery Resident Research Assistant	Predictors of morbidity following enterostomy closure in infants.
Nicole Laferriere, MD	2018-2020	TAMC General Surgery Resident Research Assistant	Telehealth delivery of outpatient pediatric surgical care.
Kelly Ishihara, MD	2018-2020	TAMC General Surgery Resident Research Assistant	Telehealth delivery of outpatient pediatric surgical care.
John Vossler, MD	2019-2020	UH General Surgery Resident Research Assistant	Development and testing of a regulated shared ventilator system.
Margaret Clark, MD	2016-2017	TAMC General Surgery Resident Research Assistant	Retrospective review of pediatric blunt renal trauma: a single institution's five-year experience.
Carly Richards, MD	2016-2017	TAMC General Surgery Resident Research Assistant	Retrospective review of pediatric blunt renal trauma: a single institution's five-year experience.
Christina Souther, MD	2016-2017	UH General Surgery Resident Research Assistant	Possible etiologies of increased incidence of gastroschisis.
Shannon Koehler, MD	2013-2016	UH General Surgery Resident Research Assistant	Negative pressure dressing assisted healing in pediatric burn patients. Magnetic compression stricturoplasty for treatment of refractory esophageal strictures in children.
Gwendolyn Garnett, MD	2012-2016	UH General Surgery Resident Research Assistant	Pulmonary artery pseudoaneurysm after MRSA septicemia in a pediatric patient. Appendicitis as the presenting manifestation of Kawasaki disease. First STEPs: Serial transverse enteroplasty as a primary procedure in neonates with congenital short bowel.

Select Faculty Mentorship:

	<u>Time period</u>	<u>Mentorship role</u>	<u>Project</u>
Sian Yik Lim, MD	2020-2021	BRIC Clinical Research Training Program	Osteoporosis treatment rates after hip fracture 2011-2019 in Hawaii: Undertreatment of men after hip fractures.
Barry Mizuo, MD	2020-2021	BRIC Clinical Research Training Program	The impact of rater training on pediatric simulation assessment of medical students

Prashant Purohit, MD	2020-2021	BRIC Clinical Research Training Program	Cerebral injury in pediatric diabetic ketoacidosis patients
Melissa Yamauchi, MD	2018-2020	TAMC General Surgery Resident Research Assistant	The detection of critical congenital heart disease in Hawaii

Grand Rounds Presented

- 1) "Update on Pediatric Surgical Services at Kapiolani." **Woo, R.** University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI May 19, 2022.
- 2) "Innovation and the Mind @ UH-Manoa." **Woo, R.,** Miller, S, Walton, C. University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI December 21, 2017.
- 3) "MIND Hawai'i: Biomedical Engineering Collaboration at the University of Hawai'i." **Woo, R.** University of Hawai'i, Department of Surgery Grand Rounds, Honolulu, HI September 20, 2017.
- 4) "Pediatric Vascular Anomalies." **Woo, R,** Bratincsak, A. University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI August 10, 2017.
- 5) "Acute Traumatic Coagulopathy." **Woo R.** University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI March 2015.
- 6) "Pediatric Constipation." Thompson K, **Woo R.** University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI, January 2012.
- 7) "Just Another Hyperbilirubinemia." De Silva T, King J, **Woo R.** University of Hawai'i, Department of Pediatrics Grand Rounds, Honolulu, HI, April 2010.
- 8) "Surgical Management of Pediatric Gynecologic Malignancies." **Woo R.** University of Hawai'i, Department of Obstetrics and Gynecology Grand Rounds, Honolulu, HI, November 2009.
- 9) "Biodesign program at Stanford University." **Woo R,** Riskin D, Gertner M, Yock P, Krummel T. Stanford University Department of Surgery Grand Rounds, Palo Alto, CA, January 2005.
- 10) "The effect of sleep deprivation experienced in a simulated on-call period on surgical performance." **Woo R,** Greco R, Wapnir I, Colrain I. Stanford University Department of Surgery Grand Rounds, Palo Alto, CA, October 2004.

SERVICE

University Service:

Search Advisory Committee Chair – Chair, Department of Surgery, University of Hawaii, John A. Burns School of Medicine

Search Advisory Committee Member – Chair, Department of Pediatrics, University of Hawaii, John A. Burns School of Medicine

Search Advisory Committee Member – Health Sciences Institute Director, University of Hawaii at Manoa

Faculty Director – MIND – Medical Innovation and Design -- Hawai'i Program (University wide collaborate health technology development program) 2017 - present.

Course director - Biomedical Technology: Clinically Driven Design and Development (undergraduate and graduate level, semester long engineering course) 2012 - 2016

Professional National and International Service:

Member, Owen H. Wangenstein Scientific Forum Committee, American College of Surgeons, October 2024 – October 2027

Chair, Membership Committee, Society of Asian Academic Surgeons 2024 – current.

Counselor, Society of Asian Academic Surgeons 2024 – current.

Chair, Telehealth Sub-Committee, Education Committee, American Pediatric Surgical Association. 4/24 – current.

Chair, Telehealth Workgroup, American College of Surgeons Board of Governors. 11/1/23 – current.

Vice-Chair, Telehealth Workgroup, American College of Surgeons Board of Governors. 11/1/22 – 11/1/23.

Vice-Chair, Telehealth Sub-Committee, Education Committee, American Pediatric Surgical Association. 9/22 – 4/24.

Chair, Program Committee, Society of Asian Academic Surgeons 2022 – 2024.

Member, Publications Committee, Society of Asian Academic Surgeons 2022 – current

Co-Course Director. Association for Academic Surgery / University of Hawaii: Pacific Rim Fundamentals of Surgical Research Course. Honolulu, HI. March 10-11, 2022.

Moderator: Scientific Session, October 2021. American College of Surgeons Clinical Congress 2021. San Francisco, California.

Moderator: Scientific Session, September 2021. Association for Asian Academic Surgeons Annual Meeting 2021. Chicago, IL.

Co-Course Director. Association for Academic Surgery / University of Hawaii: Pacific Rim Fundamentals of Surgical Research Course. Honolulu, HI. April 14, 2021.

Moderator: Quickshot Session, February 2020. 15th Annual Academic Surgical Congress. Orlando, FL.

Moderator: Scientific Session, October 2019. American College of Surgeons Clinical Congress 2019. San Francisco, California.

Moderator: Scientific Session, May 2018. 51st Annual Meeting of the Pacific Association of Pediatric Surgeons, Sapporo, Japan.

Moderator: Scientific Session. February 2016. 11th Annual Academic Surgical Congress, Jacksonville, Florida.

Moderator: Scientific Session. February 2015. 10th Annual Academic Surgical Congress, Las Vegas Nevada.

Examination Consultant for the Pediatric Surgery Qualifying Examination. Pediatric Surgery Board of the American Board of Surgery (PSB-ABS). 2020 – current

Member, Board of Governors, American College of Surgeons. Governor for the Hawaii Chapter of the ACS. 2020 -- current

Vice-Chair, Program Committee, Society of Asian Academic Surgeons 2021 – current

Member, Membership Committee, Society of University Surgeons 2021 – current

Member Education Committee, American Pediatric Surgical Association 2021 - current

Counselor, Executive Council Member representing 2009 Class, Association for Academic Surgery. 2000 -- current

Member, Program Committee, Society of Asian Academic Surgeons 2019 -- current

Member Publications Committee, Society of University Surgeons 2019 – 2021

Member Publications Committee, Association for Academic Surgery 2018 – current

Member Informatics and Telemedicine Committee, American Pediatric Surgical Association 2019 - 2020

Member New Technology Committee, American Pediatric Surgical Association 2013 – 2016

Member Liaison Committee, Section on Surgery, American Academy of Pediatrics 2012 – 2015

Professional Regional Service:

Secretary, Hawai'i Chapter, American College of Surgeons. 2/2020 - present

Executive Council, Hawai'i Chapter, American College of Surgeons. 5/2014 - present

Invited Member, HMSA Appeals Panel, 4/2014 – 2018.

Hawai'i Pacific Health Young Physician's Leadership Program. 2014 to 2015 program

Hospital Service:

Medical Director for Children's Surgery, American College of Surgeons Children's Surgery

Verification Program, Kapiolani Medical Center for Women and Children, 2021 -- present

Vice Chief of Staff, Medical Executive Committee, Kapi'olani Medical Center for Women and Children, 2020 – present

Chair, Quality Council, Kapi'olani Medical Center for Women and Children, 2017 – 2020

Director, Multidisciplinary Vascular Anomalies Clinic, 2017 - present

Vice-Chair, Perioperative Services Committee, Kapi'olani Medical Center for Women and Children, 2012 – 2020

Surgeon Champion, American College of Surgeons Pediatric National Surgical Quality Improvement Program, Kapi'olani Medical Center for Women and Children, 2012 – present

Leader, Surgical Unit Safety Program, Kapi'olani Medical Center for Women and Children, 2013 – present

Member, Infection Control Committee, Kapi'olani Medical Center for Women and Children 2011 – 2014

Community Service:

2023-2026 USC Viterbi School of Engineering, Department of Biomedical Engineering, Los Angeles, CA.
Member, Advisory Board

2014–2020 Ronald McDonald House Charities, Honolulu, HI
Member, Board of Directors
Vice Chair, Board of Directors (2017 -- 2020)

2009-2017 Hospital de la Familia, Nuevo Progreso, Guatemala
Member of a biannual volunteer multidisciplinary surgical team.

2003 Hospital Albert Schweitzer, Des Chapelles, Haiti
Served as a volunteer physician at a missionary hospital.

Professional Societies:

American Pediatric Surgical Association (Member)

American Academy of Pediatrics, Surgical Section (Fellow)

American College of Surgeons (Fellow)

Association for Academic Surgery (Member)

Pacific Association of Pediatric Surgeons (Member)

Society of Asian Academic Surgeons (Member)

Society of University Surgeons (Member)

CLINICAL ACTIVITIES

9/2009-current Active medical staff. *One of three pediatric surgeons who provide comprehensive surgical services including ambulatory, inpatient, and emergency services. Active engagement and leadership in multiple clinical and quality improvement areas (see Hospital Service section).*
Kapi'olani Medical Center for Women and Children (Hawai'i Pacific Health)
1319 Punahou Street, Honolulu, HI 96826

9/2009-current Active medical staff. *One of three pediatric surgeons who provide comprehensive surgical services including inpatient and emergency services.*
Kaiser Permanente, Moanalua Medical Center and Clinic
3288 Moanalua Road, Honolulu, HI 96819

12/2009-current Affiliate medical staff. *Share emergency coverage responsibilities with the one, active-duty Army pediatric surgeon.*

Tripler Army Medical Center
1 Jarrett White Road, Honolulu, HI 96859

8/2010-current Courtesy medical staff. *One of three pediatric surgeons who provide consultative services for pediatric trauma.*
The Queen's Medical Center
1301 Punchbowl Street, Honolulu, HI 96813

PROFESSIONAL GROWTH

Honors and Awards:

2020	Selection to Hawaii Pacific Health, Healthcare Heroes
2020	Faculty Teaching Award – Department of Surgery, University of Hawaii, John A. Burns School of Medicine
2013-2023	Selected by his peers for inclusion in The Best Doctors in America® from 2013 to 2023.
2006-7	Administrative Chief Resident -- Stanford University School of Medicine, Department of Surgery
2006	John Henry Smith Award – Outstanding resident award, Stanford University School of Medicine, Department of Surgery
2006	General Surgery Resident Teaching Award -- Stanford University School of Medicine, Department of Surgery
2005	General Surgery Resident Teaching Award -- Stanford University School of Medicine, Department of Surgery
2005	Outstanding Resident Award: Surgical Critical Care -- Stanford University School of Medicine, Department of Surgery, Division of Trauma/Surgical Critical Care
2004	Runner up -- BASES E-Challenge (Engineering) Competition, Stanford University
1999	Yale University School of Medicine Medical Student Research Fellowship -- Yale School of Medicine
1997	NIH Cancer Education Grant/Yale Cancer Center Medical Student Research Fellowship -- Yale School of Medicine
1996	Magna cum laude – USC School of Engineering, B.S. in Biomedical Engineering
1996	Dorris M. Gilliland Award -- USC School of Engineering (outstanding service)
1996	Phi Kappa Phi Honor Society -- USC School of Engineering
1995	Tau Beta Pi Honor Society – USC School of Engineering
1995	Golden Key Honor Society – USC
1994	Alpha Epsilon Delta Honor Society – USC
1992-6	Merit research award – USC School of Engineering

1992-6	Trustee scholarship -- USC School of Engineering
1992	Valedictorian -- Mater Dei High School, Santa Ana, CA
1992	National Merit Scholar -- Mater Dei High School, Santa Ana, CA