

Laura DiChiacchio, MD, PhD**Hometown:** Ventura, CA**Undergrad:** University of California, Irvine**Surgical Specialty Interest:** Cardiothoracic Surgery**Hobbies:** Hiking with my dog, finding new restaurants and tasting wine with my husband, traveling, biking, volunteering with Baltimore County CASA**Publications:**

Piekna-Przybylska D, DiChiacchio L, Mathews DH, Bambara RA. A sequence similar to tRNA^{Lys} gene is embedded in HIV-1 and promotes minus-strand transfer. *Nat Struct Mol Biol.* 2010 Jan;17(1):83.

DiChiacchio L, Sloma MF, Mathews DH. AccessFold: Predicting RNA-RNA interactions with consideration for competing self-structure. *Bioinformatics.* 2016 Apr 1;32(7):1033-9.

Harris DG, Huffner ME, Croal-Abrahams L, DiChiacchio L, Farivar BS, Ayers JD, Toursavadkahi S, Rabin J, Crawford RS. Thoracic endovascular repair of blunt thoracic aortic injury in the setting of an aberrant right subclavian artery. *Ann Vasc Surg.* 2017 Jul;42:302.

Hansraj N, Hamdi A, Wise ES, DiChiacchio L, Sarkar R, Toursavadkahi S. Open and endovascular management of inferior mesenteric artery aneurysms: A report of two cases. *Ann Vasc Surg.* 2017 Aug;43:316.

Khalifeh, A, Elomeiri M, DiChiacchio L, Kidd-Romero S, Kavic SM. Quality of communication: Paging system use in the smartphone era. *Journal of Health Commun.* 2017 2;4:64.

DiChiacchio L, Shockcor N, Macatangay R, Strauch E. Extensive synchronous bilateral Wilms tumor treated with nephron sparing surgery. *Urol Case Reports.* 2018 Mar 21;18:16-18.

DiChiacchio L, Cappiello CD, Greenspon J. Extracorporeal cardiopulmonary resuscitation in a neonate after air embolism during insufflation for laparoscopic peritoneal dialysis catheter placement. *J Surg Case Rep.* 2018 Jun 13;2018(6):rjy119.

DiChiacchio L, Cappiello CD, Greenspon J. Extrapulmonary sequestration with a left internal thoracic arterial feeding vessel in an infant treated with video-assisted thoracoscopic resection. *J Cardiothorac Surg.* 2018 Jul 20;13(1):88.

Singh AK, Chan JL, DiChiacchio L, Corcoran PC, Lewis BG, Thomas ML, Ayares D, Horvath KA, Mohiuddin MM. Cardiac xenografts show reduced survival in the absence of transgenic human thrombomodulin expression in donor pigs. *Xenotransplantation.* 2018 Oct 5:e12465.

DiChiacchio L, Jones KM. Massive main pulmonary artery aneurysm complicated by acute dissection. *Ann Thoracic Surg.* 2018 Oct 26. pii: S0003-4975(18)31529-7.

Mohiuddin MM, DiChiacchio L, Singh AK, Griffith BP. Xenotransplantation: A step closer to clinical reality? *Transplantation.* 2019 Mar;103(3):453-454.

DiChiacchio L, Pasrija C, Boulos F, Jeudy J, Deatrck KB, Griffith B, Kon ZN. Occult chronic thromboembolic disease in patients presenting for surgical pulmonary embolectomy. *Ann Thoracic Surg.* 2019 May 2. pii: S0003-4975(19)30605-8.

Pasrija C, Sawan MA, Sorensen E, Voorhees H, Shah A, Strauss E, Ton V, Feller E, Boulos F, DiChiacchio L, Kaczorowski DJ, Griffith BP, Pham SM, Kon ZN. Less invasive left ventricular assist device implantation may reduce right ventricular failure. *Interact Cardiovasc Thorac Surg.* 2019 Jul 21

DiChiacchio L, Singh AK, Chan JL, Shockcor NM, Zhang T, Lewis BG, Ayares D, Horvath K, Mohiuddin MM. Intra-abdominal heterotopic cardiac xenotransplantation: Pearls and pitfalls. *Front Cardiovasc Med.* 2019 Jul 25;6:95.

Boulos FM, Pasrija C, DiChiacchio L, Rouse M, Raithel M, Mackowick K, Rector R, Mazzeffi MA, Griffith BP, Diaz JJ, Kon ZN, Deatrck KB. Early decompressive laparotomy after veno-venous extracorporeal membrane oxygenation for severe respiratory failure with intra-abdominal hypertension. *ASAIO J.* 2019 Aug 6.

Grazioli A, Shah S, Rabin J, Shah R, Madathil RJ, King J, DiChiacchio L, Rector R, Deatrck KB, Wu ZJ, Formica N, Herr DL. High efficiency, high flux in-line hemofiltration using a high blood flow extracorporeal circuit. *Perfusion.* 2019 Sep 16.

DiChiacchio L, Singh AK, Lewis B, Zhang T, Hardy N, Pasrija C, Morales D, Odonkor P, Strauss E, Williams B, Deatrck KB, Kaczorowski D, Ayares D, Griffith BP, Bartlett ST, Mohiuddin MM. Early experience with preclinical peri-operative cardiac xenograft dysfunction at a single xenotransplant program. *Ann Thoracic Surg.* 2019 Oct 4.

DiChiacchio L, Ghoreishi M, Pasrija C, Deatrck KB, Griffith BP, Kon ZN. Predictors of right ventricular recovery in patients supported with venoarterial extracorporeal membrane oxygenation for acute massive pulmonary embolism. *Ann Thoracic Surg.* 2019 Dec 14

DiChiacchio L, Boulos FM, Brigante F, Raithel M, Shah A, Pasrija C, Mackowick K, Menaker J, Mazzeffi M, Herr DL, Kon ZN, Deatrck KB. Early tracheostomy following initiation of venovenous extracorporeal membrane oxygenation is associated with decreased duration of ECMO support. *Perfusion.* 2020 Feb 5.

Pasrija C, Sawan M, Sorensen E, Voorhees H, Shah A, Wang L, Ton VK, DiChiacchio L, Kaczorowski D, Griffith BP, Pham S, Kon ZN. A less invasive approach to left ventricular assist device implantation may improve survival in high risk patients. *Innovations (Phila).* 2020 May 7.

Jones KM, DiChiacchio L, Deatrck KB, Dolly K, Rhea J, Galvagno S, Herr D, O'Connor J, Scalea TM, Menaker J. Cardiac arrest prior to venovenous extracorporeal membrane oxygenation is not a predictor of mortality: results from a high volume ECMO center. *ASAIO J.* 2020 Jun;66(6):e79-e81.

DiChiacchio L, Deatrck KB. Response: Tracheostomy associated complications with VV-ECMO. *Perfusion.* 2020 Jun 23.

Goerlich C, DiChiacchio L, Zhang T, Singh AK, Lewis B, Tatarov I, Hershfeld A, Sentz F, Ayares D, Corcoran P, Horvath K, Mohiuddin MM. Heterotopic porcine cardiac xenotransplantation in the intra-abdominal position in a non-human primate model. *Sci Rep.* 2020 Jul 1;10(1):10709.

Sukri L, DiChiacchio L, Wasicek PJ, Kavic SM. Small bowel necrosis and perforation due to sodium polystyrene sulfonate in the setting of graft versus host disease and fulminant *Clostridium difficile* infection. *J Surg Case Rep.* 2020 Aug 26;2020(8).

Conference Presentations:

Advances in Vascular Surgery and Endovascular Therapy, Baltimore MD, 2016.

"Management of the Infected Bypass Graft: A Case Presentation". American College of Surgeons, Boston MA, October 2018.

"Thrombotic Events in Venovenous Extracorporeal Membrane Oxygenation: Low Flow or Inadequate Anticoagulation?". International Society of Heart and Lung Transplantation, Nice France, 2018.

"The Incidence and Identification of Chronic Thromboembolic Disease in Patients Presenting with Acute Pulmonary Embolism". International Society of Heart and Lung Transplantation, Nice France, 2018.

"Human Thrombomodulin Expression Confers Prolonged Graft Survival Over Costimulation Blockade Alone in a Pig-to-Baboon Heterotopic Cardiac Xenotransplant Model". The Transplantation Society, Madrid Spain, 2018.

"Insights into the Development of a Life-Sustaining Orthotopic Cardiac Xenotransplant Model." Getz Research Symposium, University of Maryland Medical Center, 2019.