

Kenneth M. DeSart, M.D.

Publications

Peer Reviewed Manuscripts:

1. **DeSart K**, Scali ST, Feezor RJ, Hong M, Hess PJ Jr, Beaver TM, Huber TS, Beck AW. Fate of patients with spinal cord ischemia complicating thoracic endovascular aortic repair, *J Vasc Surg*. 2013 Sep;58(3):635-42.e2. PMID: 23591190
2. **DeSart K**, Butler K, O'Malley KA, Jiang Z, Berceci SA. Time and flow-dependent changes in the p27kip1 gene network drive maladaptive vascular remodeling, *J Vasc Surg*. 2014 Jun 19. pii: S0741-5214(14)00996-3. PMID: 24953896
3. Schmit BM, Yang P, Fu C, **DeSart K**, Berceci SA, Jiang Z. Hypertension overrides the protective effect of female hormones on the development of aortic aneurysm secondary to Alk5 deficiency via ERK Activation, *Am J Physiol Heart Circ Physiol*. 2014 Nov 14:ajpheart.00521.2014. PMID: 25398982
4. Ben-David, K., Alvarez, J., Rossidis, G., **DeSart, K.**, Caranasos, T., Hochwald, S. Thoracoscopic and Laparoscopic Enuclation of Esophageal Leiomyomas. *Journal of Gastrointestinal Surgery*. 2015, Jul; 19(7): 1350-1354. PMID: 25868871
5. **DeSart, K.**, O'Malley, K., Schmit, B., Lopez, M., Moldawer, L., Baker, H., Berceci, S., Nelson, P. Systemic inflammation as a predictor of clinical outcomes after lower extremity angioplasty/stenting, *J Vasc Surg*. 2016 Sep;64(3):766-778.e5. PMID: 26054584
6. **DeSart, K.**, Rossidis, G., Michel, M., Lux, T., Ben-David, K.. Gastroesophageal Reflux Management with the LINX® System for Gastroesophageal Reflux Disease Following Laparoscopic Sleeve Gastrectomy. *Journal of Gastrointestinal Surgery*. 2015. Oct; 19(10): 1782-1786. PMID: 26162926
7. Reh fuss, J., Scali, S., He, Y., Schmit, B., **DeSart, K.**, Nelson, P., Berceci, S.. The correlation between computed tomography and duplex evaluation of autogenous vein bypass grafts and their relationship to failure. *Journal of Vascular Surgery*. 2015, Dec; 62(6): 1546–1554. PMID: 26365660.
8. Yang, P., Schmit, B., Fu, C., **DeSart, K.**, Oh, P., Berceci, S., Jiang, Z. Smooth muscle cell-specific Tgfb r1 deficiency promotes aortic aneurysm formation by stimulating multiple signaling events, *Scientific Reports*. 2016 Oct 14;6:35444. PMID 27739498
9. Reh fuss, J., **DeSart, K.**, Rozowsky, J., O'Malley, K., Moldawer, L., Baker, H., Wang, Y., Nelson, P., Berceci, S. Hyperacute Monocyte Gene Response Patterns Are Associated With Lower Extremity Vein Bypass Graft Failure, *Circulation. Genomic and Precision Medicine*. 2018 Mar;11(3). PMID 29530886

10. He, Y., **DeSart, K.**, Nelson, P., Tran Son Tay, R, Kubilis, P., Irwin, A., Berceci, S. Heterogeneous and dynamic lumen remodeling of the entire infrainguinal vein bypass grafts in patients. *J Vasc Surg.* In Press.

Presentations at National Meetings / Published Abstracts

1. **DeSart K**, Scali S, Hong M, Feezor R, Huber T, Beck A. Fate of Patients with Spinal Cord Ischemia Complicating Thoracic Endovascular Aortic Repair. Presented at the Society of Vascular Surgery Annual Meeting, Oral Presentation, June 9th, 2012, National Harbor, MD
2. **DeSart K**, Omalley K, Lopez M, Baker HV, Butler K, Hong M, Restrepo C, Moldawer LL, Berceci SA, Nelson PR. Genome-Wide Differences In Inflammatory Gene Expression Predict Success Versus Failure In Lower Extremity Angioplasty/Stenting. Oral Presentation 7th Annual Academic Surgical Congress, Las Vegas, Nevada. 2012.
3. **DeSart K**, Butler K, O'Malley KA, Jiang Z, Berceci SA. Systems Based Analysis of p27kip1 as the Driver for Pathologic Vein Graft Remodeling. Oral presentation and won the Founder's Award at the Thirty-eighth Annual Meeting of the Southern Association for Vascular Surgery, Palm Beach, Fla, January 15-18, 2014.
4. **DeSart K**, Jiang Z, Tao M, O'Malley K, Berceci S. Differential Gene and Transcription Factor Binding Site Expression Between the Intima and Media Drives Intimal Hyperplasia. Oral presentation at the Arteriosclerosis, Thrombosis and Vascular Biology Annual Meeting, Toronto, Canada, 2014.
5. Schmit, B., **DeSart, K.**, Yang, P., Fu, C., Berceci, S., Jiang, Z. Hypertension Modulates Sexual Dimorphism of Aortic Aneurysm and Dissection in TGF-B Deficient Mice. *Journal of Surgical Research.* 2014, Feb; 186(2): 691.
6. Schmit, B., O'Malley, K., **DeSart, K.**, Berceci, S., Nelson, P. Pre-Operative Levels of Circulating Endothelial Cells in Peripheral Blood as a Predictor of Outcome in Lower Extremity Angioplasty. *Journal of Surgical Research.* 2014, Feb; 186(2): 512-513
7. Yang, P., Fu, C., Hong, M., Schmit, B., **DeSart, K.**, Oh, S., Berceci, S., Jiang, Z. Loss of Alk5 in Smooth Muscle Cells (SMCs) Causes Aortic Aneurysms Through an Aberrant Tgfbr2 Signal. *Arteriosclerosis, Thrombosis, and Vascular Biology.* 2015, May; 35(Suppl 1): A255
8. Yong, H., **DeSart, K.**, Butler, K., Irwin, A., Nelson, P., Berceci, S. Geometric Remodeling of Vein Bypass Grafts and the Impact on Graft Failure. *Journal of Vascular Surgery.* 2014, Jun; 59(6): 27S-28S.