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RESEARCH INTERESTS

Cardiovascular surgery

EDUCATION

Hürmüz ve İbrahim Ataş Primary and Secondary School (1995- 2002)

Uzunköprü High School (2002- 2006)

Trakya University Faculty of Medicine (2006- 2012)

Department of Cardiovascular Surgery, University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital (2013- 2018)

WORK EXPERIENCES

Department of Cardiovascular Surgery, University of Health Sciences, Şanlıurfa Mehmet Akif İnan Training and Research Hospital (2018 March- 2020 September), Cardiovascular specialist

Department of Cardiovascular Surgery, University of Health Sciences, Bursa Yuksek Ihtisas Training and Research Hospital (2020 September- Currently), Staff

MEMBERSHIPS / AFFILIATIONS

Turkish society of cardiovascular surgery

Turkish society of vascular and endovascular surgery

PUBLICATIONS

1. Gucu A, Demir D, Kahraman N, **Engin M**, Ozyazicioglu AF, Goncu MT. Mitral valve myxoma associated with intracranial tumor: a case report. Eur Res J 2016;2(3):233-235.

2. Goncu MT, Erdolu B, **Engin M**, Guvenc O, Pala AA. Giant Abdominal Aortic Aneurysm: a Wondrous Image with Multidetector Computed Tomographic Angiography. *Koşuyolu Heart J* 2017;20(2):183-184.
3. Ozsin KK, **Engin M**, Sanrı US, Toktas F. reatment of superior vena cava perforation due to central venous catheterization via video assisted thoracoscopic surgery. *Turk Gogus Kalp Dama.* 2017;25(2):331-332.
4. Goncu MT, **Engin M**, Güvenç O. Endovascular treatment of acute thromboembolic occlusion of distal aorta. *Turk Gogus Kalp Dama* 2019;27(2):264.
5. Özsin KK, Sanrı US, **Engin M**. Extracranial internal carotid artery aneurysm coexisting with multiple intracranial arteriovenous malformations. *Turk Gogus Kalp Dama* 2018;26(3):492-493.
6. **Engin M**, Aydın H. Evaluation of traumatic extremity vascular injuries in surviving and non-surviving patients. *Turk J Vasc Surg* 2019;28(2):95-100
7. **Engin M**, Goncu MT, Guvenc O, Savran M, Ozyazicioglu AF. Retrospective Investigation Of Factors Affecting Early Period Mortality And Morbidity After Operation In Type A Aortic Dissections. *Dicle Med J* 2018; 45 (4):387-396.
8. Guvenc O, Goncu MT, **Engin M**, Cayir MC, Ozyazicioglu AF. Effects of coronary endarterectomy on postoperative early results in long segment coronary artery disease. *Eur Res J* 2020;6(3):187-192.
9. Akgül E, **Engin M**, Özyazicioğlu AF. Effects of mean platelet volume and platelet counts on peripheral biodegradable stent restenosis. *J Surg Med.* 2019;3(9):663-665.
10. Aydın C, **Engin M**, Kul S. Tricuspid regurgitation due to blood cyst. *Echocardiography.* 2019 Nov;36(11):2108-2109.
11. **Engin M**, Aydın H. The Use of Two Anesthesia Techniques in Endovenous Radiofrequency Ablation of Great Saphenous Vein Insufficiency and Our Results. *Van Tıp Derg* 2020; 27(1): 63-67.
12. Aydın H, **Engin M**. Lower limb deep venous thrombosis due to vertebral osteophyte: a May-Thurner-like syndrome. *Eur Res J* 2020;6(4):351-353.
13. Erdolu B, As AK, **Engin M**. The Relationship between the HATCH Score, Neutrophil to Lymphocyte Ratio and Postoperative Atrial Fibrillation After Off-Pump Coronary Artery Bypass Graft Surgery. *Heart Surg Forum.* 2020 Feb 27;23(1):E088-E092.
14. As AK, **Engin M**, Türk T. Early-term results of early coronary artery bypass graft surgery in patients undergoing primary percutaneous coronary intervention due to acute coronary syndrome. *Eur Res J* 2020;7(1):59-65.

- 15. Engin M, Güvenç O, Goncu MT.** Spontaneous regression of the abdominal aortic aneurysm in a middle age female patient. *Vascular*. 2020 Aug;28(4):481-484.
- 16. Engin M.** Are Pre and Postoperative Platelet to Lymphocyte Ratio and Neutrophil to Lymphocyte Ratio Associated with Early Postoperative AKI Following CABG? *Braz J Cardiovasc Surg*. 2020 Apr 1;35(2):239.
- 17. Mesut E, Cihan A, Orhan G.** Is it possible to predict the complexity of peripheral artery disease with atherogenic index? *Vascular*. 2020 Oct;28(5):513-519.
- 18. Engin M, Güvenç O.** Investigation of the Predictive Values of Triglyceride/HDL Cholesterol Ratio and Whole Blood Viscosity with Regard to Severe Peripheral or Carotid Artery Disease in Patients Scheduled for Coronary Bypass. *Heart Surg Forum*. 2020 May 14;23(3):E310-E314.
- 19. Erdolu B, Engin M.** Can C-reactive protein to albumin ratio be used as a predictor of amputation development in acute lower extremity ischemia? *J Surg Med*. 2020;4(6):501-504.
- 20. Engin M.** The Relation Between Echocardiographic Epicardial Fat Thickness and CHA2DS2-Vasc Score in Patients with Sinus Rhythm. *Braz J Cardiovasc Surg*. 2020 Jun 1;35(3):406.
- 21. Engin M, Goncu MT.** The role of plateletcrit and neutrophil lymphocyte ratio in showing the clinical severity of the disease in patients with chronic venous insufficiency. *Ann Med Res* 2020;27(5):1385-90
- 22. Engin M.** Admission Time and Surgical Technique are Important in Aortic Dissection Treatment Results. *Braz J Cardiovasc Surg*. 2020 Oct 29;35(5):849-850.
- 23. Mesut E, Ismail S.** The Largest Operated Ascending Aortic Aneurysm in a Patient Without a History of Cardiac Surgery. *Braz J Cardiovasc Surg*. 2020 Aug 1;35(4):600-601.
- 24. Engin M, Aydın C.** Investigation of the Effect of HATCH Score and Coronary Artery Disease Complexity on Atrial Fibrillation after On-Pump Coronary Artery Bypass Graft Surgery. *Med Princ Pract*. 2021;30(1):45-51.
- 25. Erdolu B, Engin M.** The effect of mean platelet volume-to-lymphocyte ratio on symptom onset in patients with carotid artery stenosis. *Turk J Vasc Surg* 2021;30(1):7-12
- 26. Engin M, Ozsin KK, Savran M, Guvenc O, Ozyazicioglu AF.** Visceral Adiposity Index and Prognostic Nutritional Index in Predicting Atrial Fibrillation after On-Pump Coronary Artery Bypass Operations: a Prospective Study. *Braz J Cardiovasc Surg*. 2021;36(4):522-529. doi: 10.21470/1678-9741-2020-0044.
- 27. Abanoz M, Engin M.** The effect of the relationship between post-cardiotomy neutrophil/lymphocyte ratio and platelet counts on early major adverse events after isolated coronary artery bypass grafting. *Turk Gogus Kalp Dama*. 2021 Jan 13;29(1):36-44.

- 28.** Tercan M, Patmano G, Kaya A, Yürekli UF, Amaç B, **Engin M.** The Role of Thiol-Disulfide Hemostasis in Predicting Renal Injury After Coronary Artery Bypass Graft Surgery. *Med Records* 2021;3(1):29-35
- 29.** Eris C, Erdolu B, **Engin M,** Kagan As A, Ustundag Y. The Effects of Aortic Clamping Strategy on Myocardial Protection and Early Postoperative Outcomes During Coronary Artery Bypass Grafting Operations. *Heart Surg Forum.* 2021 Mar 3;24(2):E217-E222.
- 30.** **Engin M,** Aydın U, Eskici H, Ata Y, Türk T. Type 1 Acute Aortic Dissection in the Early Period After COVID-19 Infection. *Cureus.* 2021 Mar 7;13(3):e13751.
- 31.****Engin M.** The effect of neutrophil lymphocyte ratio and monocyte HDL ratio in indicating additional arterial disease in patients scheduled to undergo elective coronary bypass operation. *The Journal of the Kuwait Medical Association* 2021;53(4):411-416
- 32.** Tatlı AB, Pala AA, **Engin M,** Taner T, Ata Y. Retrospective investigation of postoperative mid-term results of cryoablation and radiofrequency ablation methods used in atrial fibrillation surgery treatment. *Eur Res J* 2021. DOI: 10.18621/eurj.814878
- 33.** Eriş C, Sanrı US, **Engin M,** Yavuz Ş. Early postoperative results of on-pump coronary endarterectomy: is it still a controversy? *Eur Res J* 2021;7(3):248-255
- 34.** Savran M, **Engin M,** Guvenc O, Yüksek HF, Sünbül SA, Turk T, Ata Y, Aydın U, Ozyazicioglu AF. Predictive Value of HATCH Scoring and Waist-to-Height Ratio in Atrial Fibrillation Following Coronary Artery Bypass Operations Performed with Cardiopulmonary Bypass. *J Saudi Heart Assoc.* 2021 Feb 10;33(2):117-123.
- 35.** Gucu A, Ozluk OA, Sunbul SA, **Engin M,** Seker IB, Sunbul A. Prognostic nutritional index as a marker of mortality: anobservational cohort study of patients undergoing cardiac surgery. *Rev. Cardiovasc. Med.* 2021;22(2): 499-503
- 36.** Ata Y, Ay D, **Engin M,** Aydın U, Turk T. Indicators of Amputation in Patients With Critical Limb Ischemia. *Angiology.* 2021 Aug 7;33197211037890. doi: 10.1177/00033197211037890.
- 37.** Aydın U, **Engin M,** Türk T, Ata Y. The effectiveness of different treatment methods in isolated telangiectasia and reticular vein treatment: A single-center prospective randomized study. *Phlebology.* 2022 Feb;37(1):26-32. doi: 10.1177/02683555211030739.
- 38.** Aydın U, Taner T, **Engin M,** Ata Y, Turk T. A Novel Venous Cannulation Technique in Aortic Root Surgery. *Innovations* 2021. doi: 10.1177/15569845211031010
- 39.** Aydın C, **Engin M.** The Value of Inflammation Indexes in Predicting Patency of Saphenous Vein Grafts in Patients With CoronaryArtery Bypass Graft Surgery. *Cureus* 13(7): e16646. doi: 10.7759/cureus.16646

- 40.** Gucu A, Ozluk OA, Guvenc O, Sunbul SA, **Engin M**. The Importance of Prognostic Nutritional Index in Predicting Acute Renal Failure After On-Pump Coronary Artery Bypass Operations in Patients with Insulin-Dependent Diabetes Mellitus. *Heart Surg Forum*. 2021;24(4):E651-E655.
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- 42.** Turk T, Aydın U, **Engin M**, Ata Y. Tunneled right atrial two-stage cannulation in aortic surgery via ministernotomy. *The Cardiothoracic Surgeon* 29(17):1-2. doi: 10.1186/s43057-021-00054-3
- 43.** Amac, B., **Engin, M.**, AS, A. K., Savran, M., Guvenc, O., Eskici, H., Eris, C., Ay-dın, U., Ata, Y., & Turk, T. (2021). Minimal Invasive Extracorporeal Circulation (MiECC) in Car-diac Surgery: A Narrative Review. *Journal of Biomedical and Life Sciences*, 1(1), 15–21. doi: <https://doi.org/10.31586/jbls.2021.010102>
- 44.** Aydın C, **Engin M**. Ebstein's anomaly associated with biventricular noncompaction. *J Echocardiogr*. 2021 Aug 26. doi: 10.1007/s12574-021-00548-3.
- 45.** Turk T, **Engin M**, Ata Y. Can arteriovenous fistula patency be evaluated by educational level? *Vascular*. 2021 Sep 28:17085381211024506. doi: 10.1177/17085381211024506.
- 46.** Eris C, **Engin M**, Erdolu B, Kagan As A. Comparison of del Nido Cardioplegia vs blood cardioplegia in adult aortic surgery is the single-dose cardioplegia technique really advantageous? *Asian J Surg*. 2022;45(5):1122-1127. doi: 10.1016/j.asjsur.2021.09.032.
- 47.** Ata, Y., A. K. As, **M. Engin**, N. Kacmaz Kat, T. Setayeshi, S. A. Sunbul, C. Eris, U. Aydın, F. Ata, and T. Turk. "Ability of Laboratory Findings Upon Admission to Predict Lung Involvement and Its Severity in COVID-19 Patients Requiring Hospitalization". *Iranian Red Crescent Medical Journal*, vol. 23, no. 10, Oct. 2021, doi:10.32592/ircmj.2021.23.10.1183.
- 48.** Turk T, Savran M, **Engin M**. Predictors of mortality in patients with abdominal aortic aneurysm. *Rev Assoc Med Bras (1992)*. 2021 Aug;67(8):1078-1079. doi: 10.1590/1806-9282.20210599.
- 49.** Aydın C, Alpsoy Ş, **Engin M**, Yavuz Ş. Is there a difference between normotensive and hypertensive patients in terms of blood parameters and cardiovascular diseases?. *Eur Res J* 2021;7(6):594-600. DOI: 10.18621/eurj.990051
- 50.** Ata F, As AK, **Engin M**, Kat NK, Ata Y, Turk T. Can blood urea Nitrogen-to-Albumin ratio predict mortality in patients with moderate-to-severe COVID-19 pneumonia hospitalized in the intensive care unit? *Rev Assoc Med Bras (1992)*. 2021 Oct;67(10):1421-1426. doi: 10.1590/1806-9282.20210610.

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- 52.** Aydın C, Alpsoy S, Yildirim I, Gultekin A, Arar MC, **Engin M**, Amac B. Predictive Values of Inflammation Indexes in Predicting Mortality in Patients with COVID 19 Hospitalized in General Intensive Care Unit. *Online Türk Sağlık Bilimleri Dergisi* 2022;7(1):32-39. doi: 10.26453/otjhs.984345
- 53.** Abanoz M, **Engin M**. Investigation of Systemic Immune Inflammatory Index and Prognostic Nutritional Index in Prediction of Major Adverse Cardiovascular and Cerebral Events Occurring After Coronary Artery Bypass Operations. *Acta Med. Alanya* 2021;5(3):263-269 doi:10.30565/medalanya.929006
- 54.** Amaç B, Selçuk M, Bölükbaş S, Kahraman F, As AK, Savran M, et al. Use of del Nido cardioplegia in adult cardiac surgery. *Eur Res J* 2022;8(1):139-144. DOI: 10.18621/eurj.970465
- 55.** Yavuz S, **Engin M**, Yazgan E, Demir OF, Turk T. Letter: Potential Predictors of Saphenous Vein Graft Disease After Coronary Artery Bypass Operations. *Angiology.* 2022 Jan 5:33197211065559. doi: 10.1177/00033197211065559.
- 56.** Yavuz S, **Engin M**, Duman B, Ata Y. Postoperative acute kidney injury after coronary artery bypass graft surgery. *Gen Thorac Cardiovasc Surg.* 2022 Feb 25. doi: 10.1007/s11748-022-01794-7.
- 57.** Yavuz S, **Engin M**. Preoperative predictors of postoperative atrial fibrillation in patients undergoing cardiopulmonary bypass. *J Card Surg.* 2022 Mar 14. doi: 10.1111/jocs.16406.
- 58.** Yavuz S, **Engin M**. Atherosclerotic burden and systemic immune inflammation index. *Echocardiography.* 2022 Mar 21. doi: 10.1111/echo.15343.
- 59.** Amac B, **Engin M**, As AK, et al. Minimal Invasive Extracorporeal Circulation (MiECC) in Cardiac Surgery: A Narrative Review. *Journal of Biomedical and Life Sciences*, 2021, 1, 15-21. DOI: 10.31586/jbls.2021.010102
- 60.** **Engin M**, Aydın U, Tatlı AB, As AK, Ata Y. Heart surgery and postoperative acute kidney injury. *J Card Surg.* 2022 Apr 8. doi: 10.1111/jocs.16509.
- 61.** Yavuz Ş, **Engin M**, Aydın U, Ata Y. Which inotropic agents should be used in cardiac surgery? What dose should be used? *J Card Surg.* 2022 Apr 13. doi: 10.1111/jocs.16518.
- 62.** Yavuz Ş, **Engin M**. Vitamin D supplementation and postoperative atrial fibrillation. *J Card Surg.* 2022 Apr 21. doi: 10.1111/jocs.16543.
- 63.** Amaç B, Kankılıç N, Güngören F, Aydın MS, Çakmak Y, Güldür ME, Koyuncu İ, Tarini EZ, **Engin M**, Yavuz Ş. Protective effect of *Tulbaghia violacea* extract on cardiac damage: deep circulatory arrest rat model. *Eur Res J* 2022;8(3):396-403. DOI: 10.18621/eurj.1099649

- 64.** Yavuz S, **Engin M.** Letter: Valvular Heart Diseases in Systemic Lupus Erythematosus. *Angiology*. 2022 Apr 24;33:197221094450. doi: 10.1177/00033197221094450.
- 65.** Yavuz S, **Engin M.** Intraoperative nadir hematocrit as a poor outcome predictor after acute type A aortic dissection surgery. *J Card Surg*. 2022 May 6. doi: 10.1111/jocs.16594.
- 66.** Aydın U, **Engin M,** Kat NK, As AK, Demirel A, Tatlı AB, Demirci H, Ata Y, Türk T. Investigation of the effects of diabetes mellitus on left internal thoracic artery flow patterns in patients scheduled to undergo coronary bypass graft surgery. *J Clin Ultrasound*. 2022 May 27. doi: 10.1002/jcu.23241.
- 66.** Aydın U, **Engin M,** Kat NK, As AK, Demirel A, Tatlı AB, Demirci H, Ata Y, Türk T. Investigation of the effects of diabetes mellitus on left internal thoracic artery flow patterns in patients scheduled to undergo coronary bypass graft surgery. *J Clin Ultrasound*. 2022 Jul;50(6):789-794. doi: 10.1002/jcu.23241.
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- 69.** Yavuz S, As AK, **Engin M,** Koca N, Cander S. Cardiovascular diseases and diabetes mellitus. *Eur Res J* 2022;8(4):541-549. DOI: 10.18621/eurj.1091928
- 70.** Pala AA, As AK, Urcun YS, **Engin M,** Yavuz Ş, Özyazıcıoğlu AF. C-reactive protein/ albumin ratio in predicting atrial fibrillation after coronary artery bypass grafting. *Cardiovasc Surg Int* 2022;9(2):66-72. DOI: 10.5606/e-cvsi.2022.1233
- 71.** **Engin M,** Turk T. Peripheral Arterial Disease and Ankle-Brachial Pressure Index. *Angiology*. 2022 Aug 21;33:197221120984. doi: 10.1177/00033197221120984.
- 72.** **Engin M,** Aydın U, Caran Karaoglu EH, Deveci G, Ata Y. A simple predictive marker of inflammation: systemic immune-inflammation index. *J Artif Organs*. 2022 Aug 29. doi: 10.1007/s10047-022-01361-0.
- 73.** **Engin M,** Sunbul SA, Tatlı AB, Pala AA, Ata Y, Aydın U, Ozyazicioglu AF, Yavuz S. Investigation of the effect of acute to chronic glycemic ratio on major amputation development after surgical thromboembolectomy in patients with acute lower extremity ischemia. *Vascular*. 2022 Sep 2;17085381221124992. doi: 10.1177/17085381221124992.