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I was born in 1969, Istanbul and graduated from Marmara University Faculty of Medicine.

My residency and associated professor rank were also in Emergency Department of Marmara University.

I have studied at Mount Clemens General Hospital in USA after finishing residency and worked as director of hospitals in Turkey Health Ministry both in second and tertiary care centers.

I am now the director of Emergency Medicine Department of Bozyaka Education and Training Hospital, University of Health Sciences, İzmir.

I have studied on bedside ultrasonography more than fifteen years and published over thirty international articles as first name author. I have given alot of both interantional courses such as in Jordan, Vienna, Portugal, India and nationally.

## **Publications in International Peer-reviewed Journals**

1. The diagnosis of pulmonary embolism without contrast is not always Challenging: be aware of hyperdense lumen sign. Kaykisiz EK, Unluer EE, Eser U. Pan Afr Med J. 2018 Aug 17;30:279. doi: 10.11604/pamj.2018.30.279.16283. eCollection 2018. PMID: 30637064
2. Urine Dipstick of Sputum for the Rapid Diagnosis of Community Acquired Pneumonia. Kurt IS, Unluer EE, Evrin T, Katipoglu B, Eser U. J Natl Med Assoc. 2018 Dec;110(6):579-582. doi: 10.1016/j.jnma.2018.03.008. Epub 2018 Apr 21.
3. Bedside Echocardiography in Acute Myocardial Infarction Patients with Hemodynamic Deterioration. Evrin T, Unluer EE, Kудay E, Bayata S, Surum N, Eser U, Dogruyol S, Kavak H. J Natl Med Assoc. 2018 Aug;110(4):396-398. doi:

- 10.1016/j.jnma.2017.08.004. Epub 2017 Sep 18. PMID: 30126567
4. Effectiveness of Bedside Lung Ultrasound for Clinical Follow-Up of Primary Spontaneous Pneumothorax Patients Treated With Tube Thoracostomy. Karagöz A, Ünlüer EE, Akçay O, Kadioğlu E. *Ultrasound Q*. 2018 Dec;34(4):226-232. doi: 10.1097/RUQ.0000000000000363.PMID: 30020274
5. A bedside ultrasound technique for fluid therapy monitoring in severe hypovolemia: Tissue Doppler imaging of the right ventricle. Unluer EE, Evrin T, Katipoglu B, Bayata S. *Interv Med Appl Sci*. 2017 Dec;9(4):212-214. doi: 10.1556/1646.9.2017.23.
6. Different manifestation of a familiar diagnosis: From anuria to acute appendicitis. Kудay Kaykisiz E, Yildirim MB, Dadali E, Kaykisiz H, Ünlüer EE. *Am J Emerg Med*. 2018 May;36(5):910.e5-910.e7. doi: 10.1016/j.ajem.2018.02.040. Epub 2018 Feb 28. PMID: 29510913
7. An Unexpected Reason for Isolated Foot Drop: Acute Stroke. Kaykisiz EK, Unluer EE. *Pak J Med Sci*. 2017 Sep-Oct;33(5):1288-1290. doi: 10.12669/pjms.335.13593. PMID: 29142581 Free PMC Article
8. An unanticipated diagnosis with bedside ultrasonography in patients with acute abdominal pain: rectus hematoma. Ünlüer EE, Kaykisiz EK. *Pan Afr Med J*. 2017 May 8;27:19. doi: 10.11604/pamj.2017.27.19.12432. eCollection 2017. PMID: 28748020
9. A rare case of abdominal infection: Emphysematous pyelonephritis without diabetes. Ünlüer EE, Şahı N Y, Oyar O, Tan GC, Karagöz A, Turan CN. *Interv Med Appl Sci*. 2016 Mar;8(1):29-31. doi: 10.1556/1646.8.2016.1.6. PMID: 28250980
10. An uncommon cause of abdominal pain: Mesenteric cyst. Ünlüer EE, Ünlüer S, Şahı N Y, Kamer KE, Karagöz A, Tan GC. *Interv Med Appl Sci*. 2016 Mar;8(1):23-25. doi: 10.1556/1646.8.2016.1.4.
11. Contrast-induced nephropathy and allergic reaction in patients who were given intravenous contrast material in emergency department. Caltekin İ, Akyol PY, Topal FE, Karagöz A, Ünlüer EE. *J Emerg Trauma Shock*. 2017 Jan-Mar;10(1):48-49. doi: 10.4103/0974-2700.199523. No abstract available.

12. Ultrasound-guided ulnar nerve block for boxer fractures. Ünlüer EE, Karagöz A, Ünlüer S, Oyar O, Özgürbüz U. Am J Emerg Med. 2016 Aug;34(8):1726-7. doi: 10.1016/j.ajem.2016.06.045. Epub 2016 Jun 15.
13. Ultrasound-guided supracondylar radial nerve block for Colles Fractures in the ED. Ünlüer EE, Karagöz A, Ünlüer S, Koşargelir M, Kizilkaya M, Alimoğlu O, Akoğlu H, Aslan C. Am J Emerg Med. 2016 Aug;34(8):1718-20. doi: 10.1016/j.ajem.2016.06.007. Epub 2016 Jun 8.
14. The focused assessment with computed tomography for trauma: competency of emergency physicians. Kara PH, Unluer EE, Eser U, Colak SZ, Kalaycı OT, Demır AO. Am J Emerg Med. 2016 Aug;34(8):1721-3. doi: 10.1016/j.ajem.2016.06.032. Epub 2016 Jun 6.
15. Application of scoring systems with point-of-care ultrasonography for bedside diagnosis of appendicitis. Ünlüer EE, Urnal R, Eser U, Bilgin S, Hacıyanlı M, Oyar O, Akoğlu H, Karagöz A. World J Emerg Med. 2016;7(2):124-9. doi: 10.5847/wjem.j.1920-8642.2016.02.007.
16. Deadly right flank pain: inferior vena cava spontaneous rupture. Karakaya Z, Ünlüer EE, Ersan A. Am J Emerg Med. 2016 Oct;34(10):2050.e1-2050.e3. doi: 10.1016/j.ajem.2016.02.055. Epub 2016 Feb 27.
17. Left ventricular thrombus diagnosed by point-of-care ultrasonography. Ünlüer EE, Payza U, Bayata S, Topal FE. J Emerg Trauma Shock. 2016 Jan-Mar;9(1):42-3. doi: 10.4103/0974-2700.167667.
18. Computed tomography in emphysematous pyelonephritis. Ünlüer EE, Karagöz A. Pan Afr Med J. 2015 Oct 23;22:186. doi: 10.11604/pamj.2015.22.186.7902. eCollection 2015.
19. A must diagnosis of persistent cough: chronic eosinophilic pneumonia (Carrington disease). Kara PH, Urnal R, Unluer EE. Am J Emerg Med. 2016 Aug;34(8):1734.e5-6. doi: 10.1016/j.ajem.2015.12.051.
20. Diagnostic challenges with stump appendicitis. Ünlüer EE, Karagöz A, Şahin Y, Bilgin S, Oyar O. Am J Emerg Med. 2016 Jun;34(6):1188.e1-2. doi:

- 10.1016/j.ajem.2015.11.037. Epub 2015 Nov 18.
21. A case of luftsichel sign for left upper lobe collapse. Ünlüer EE, Özkan B, Topal FE, Altiner NN, Karagöz A. *J Emerg Trauma Shock*. 2015 Oct-Dec;8(4):235-6. doi: 10.4103/0974-2700.166732.
22. An unexpected complication of sneezing: Blow-out orbital fracture. Akyol PY, Ünlüer EE, Oyar O, Bilgin S. *J Emerg Trauma Shock*. 2015 Jul-Sep;8(3):172-3. doi: 10.4103/0974-2700.145409.
23. Are emergency physicians competent to interpret the cranial CT of patients younger than the age of 2 years with mild head trauma? İdil H, Kırmırlı G, Korol G, Ünlüer EE. *Am J Emerg Med*. 2015 Sep;33(9):1175-7. doi: 10.1016/j.ajem.2015.05.024.
24. Hints in electrocardiography for coming myocardial infarction. Ünlüer EE, Karagöz A. *J Emerg Trauma Shock*. 2015 Apr-Jun;8(2):121-3. doi: 10.4103/0974-2700.155526.
25. Bedside lung ultrasound versus chest X-ray use in the emergency department. Ünlüer EE, Karagöz A. *Interv Med Appl Sci*. 2014 Dec;6(4):175-7. doi: 10.1556/IMAS.6.2014.002.
26. Bedside ultrasonographic diagnosis of pneumothorax. Ünlüer EE, Karagöz A. *Interv Med Appl Sci*. 2014 Sep;6(3):133-6. doi: 10.1556/IMAS.6.2014.001.
27. Bedside ultrasound diagnosis of intracardiac paperclip. Ünlüer EE, Karagöz A, Topal FE, Akyol PY. *J Emerg Trauma Shock*. 2014 Jul;7(3):236-8. doi: 10.4103/0974-2700.136873.
28. Lung ultrasound by emergency nursing as an aid for rapid triage of dyspneic patients: a pilot study. Ünlüer EE, Karagöz A, Oyar O, Vandenberg N, Kiyancıçek S, Budak F. *Int Emerg Nurs*. 2014 Oct;22(4):226-31. doi: 10.1016/j.ienj.2014.03.003.
29. A dynamic sign of alveolar consolidation in bedside ultrasonography: Air bronchogram. Ünlüer EE, Karagöz A. *Interv Med Appl Sci*. 2014 Mar;6(1):40-2. doi: 10.1556/IMAS.6.2014.1.6.

30. Monitoring the response to treatment of acute heart failure patients by ultrasonographic inferior vena cava collapsibility index. Yavaşı Ö, Ünlüer EE, Kayayurt K, Ekinci S, Sağlam C, Sürüm N, Köseoğlu MH, Yeşil M. *Am J Emerg Med.* 2014 May;32(5):403-7. doi: 10.1016/j.ajem.2013.12.046.
31. A deadly complication of superficial muscular needle electromyography: bilateral pneumothoraces. Unlüer EE, Akyol PY, Karagöz A, Bilgin S. *Case Rep Med.* 2013;2013:861787. doi: 10.1155/2013/861787.
32. When does a D-dimer test help make the diagnosis of aortic dissection? Unlüer EE, Karagöz A, Akyol PY. *Interv Med Appl Sci.* 2013 Dec;5(4):193-5. doi: 10.1556/IMAS.5.2013.4.8.
33. Red flags in bedside ultrasonography for surgical cases. Unlüer EE, Karagöz A. *Interv Med Appl Sci.* 2013 Jun;5(2):85-8. doi: 10.1556/IMAS.5.2013.2.6.
34. A rare cause of dyspnea in emergency medicine: transfusion-related acute lung injury. Akyol PY, Unlüer EE, Elibol P, Karagöz A, Topal FE. *Am J Emerg Med.* 2013 Nov;31(11):1626.e1-2. doi: 10.1016/j.ajem.2013.06.035.
35. Bedside ultrasonography by emergency physicians for anterior talofibular ligament injury. Gün C, Unlüer EE, Vandenberg N, Karagöz A, Sentürk GO, Oyar O. *J Emerg Trauma Shock.* 2013 Jul;6(3):195-8. doi: 10.4103/0974-2700.115340.
36. The role of bedside ultrasonography for occult scaphoid fractures in the emergency department. Yıldırım A, Unlüer EE, Vandenberg N, Karagöz A. *Ulus Travma Acil Cerrahi Derg.* 2013 May;19(3):241-5. doi: 10.5505/tjtes.2013.64927.
37. An alternative approach to the bedside assessment of left ventricular systolic function in the emergency department: displacement of the aortic root. Ünlüer EE, Karagöz A, Bayata S, Akoğlu H. *Acad Emerg Med.* 2013 Apr;20(4):367-73. doi: 10.1111/acem.12114.
38. A rare cause of dyspnea: sudden rupture of aortic valsalva sinus aneurysm. Arıkan E, Karagöz A, Bayata S, Yılık L, Unlüer EE. *Case Rep Med.* 2013;2013:909302. doi: 10.1155/2013/909302.

39. The prognostic value of cystatin C compared with trauma scores in multiple blunt trauma: a prospective cohort study. Şentürk GÖ, Ünlüer EE, Vandenberg N, Yavaşı Ö, Eroglu O, Sürüm N, Üstüner F, Kayayurt K. *J Emerg Med*. 2013 Jun;44(6):1070-6. doi: 10.1016/j.jemermed.2012.11.037.
40. Red flag in bedside echocardiography for acute pulmonary embolism: remembering McConnell's sign. Ünlüer EE, Senturk GÖ, Karagöz A, Uyar Y, Bayata S. *Am J Emerg Med*. 2013 Apr;31(4):719-21. doi: 10.1016/j.ajem.2012.12.007.
41. Neuroprotective effects of progesterone in spinal cord ischemia in rabbits. Vandenberg N, Unluer EE, Gokmen N, Yurekli I, Okmen E, Yilmaz O, Yigit S, Kara PH. *Am J Emerg Med*. 2013 Mar;31(3):581-4. doi: 10.1016/j.ajem.2012.09.025.
42. An unusual cause of death: spontaneous urinary bladder perforation. Limon O, Unluer EE, Unay FC, Oyar O, Sener A. *Am J Emerg Med*. 2012 Nov;30(9):2081.e3-5. doi: 10.1016/j.ajem.2011.10.030.
43. Confirmation of endotracheal tube position during resuscitation by bedside ultrasonography. Sağlam C, Unluer EE, Karagöz A. *Am J Emerg Med*. 2013 Jan;31(1):248-50. doi: 10.1016/j.ajem.2012.08.002.
44. Ultrasonography of jugular vein as a marker of hypovolemia in healthy volunteers. Unluer EE, Kara PH. *Am J Emerg Med*. 2013 Jan;31(1):173-7. doi: 10.1016/j.ajem.2012.07.003.
45. Red Flags in Electrocardiogram for Emergency Physicians: Remembering Wellens' Syndrome and Upright T wave in V(1). Unluer EE, Pınar A, Bozdemir H, Bayata S, Unluer S, Yavaşı O. *West J Emerg Med*. 2012 May;13(2):160-2. doi: 10.5811/westjem.2011.5.6727.
46. Ability of emergency physicians to detect early ischemic changes of acute ischemic stroke on cranial computed tomography. Ünlüer EE, Yaka E, Akhan G, Limon Ö, Kara PH, Yavaşı Ö, Vandenberg N, Nazli YE, Kutluk K. *Med Princ Pract*. 2012;21(6):534-7. doi: 10.1159/000339116.
47. Comparison of existing syncope rules and newly proposed anatolian syncope rule to predict short-term serious outcomes after syncope in the Turkish population.

Kayayurt K, Akoglu H, Limon O, Ergene AO, Yavasi O, Bayata S, Berk NV, Unluer EE. Int J Emerg Med. 2012 Apr 20;5:17. doi: 10.1186/1865-1380-5-17.

48. Comparison of ultrasonographic methods as a marker of blood loss. Kara PH, Unluer EE, Limon O, Berk NV, Yavasi O, Kayayurt K, Uzun B. Am J Emerg Med. 2012 Jun;30(5):821-6. doi: 10.1016/j.ajem.2012.01.024.

49. Ultrasonography by emergency medicine and radiology residents for the diagnosis of small bowel obstruction. Unlüer EE, Yavaşı O, Erođlu O, Yilmaz C, Akarca FK. Eur J Emerg Med. 2010 Oct;17(5):260-4. doi: 10.1097/MEJ.0b013e328336c736.

50. A pulmonary embolism case presenting with upper abdominal and flank pain. Unlüer EE, Denizbaşı A. Eur J Emerg Med. 2003 Jun;10(2):135-8.

51. Ünlüer EE, Karagöz A, Bayata S, Çatalkaya S, Bozdemir H. A novel prediction of simulated fluid responsiveness by echocardiography assessment of tricuspid annulus tissue velocity with passive leg raising. Hong Kong Jour Emerg Med. Ahead of print.

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