



Teresa Dodge DNP, FNP-C, CEN

Teresa Dodge is a **nurse practitioner** in Cortland, New York. She is affiliated with Guthrie Cortland Regional **Medical Center**. She is a nurse practitioner with years of experience in Pediatric primary care who recently returned to her acute care roots and is currently working in urgent care as an NP. Teresa has been a registered nurse for 11 years. She has been working in the emergency department for 8 years and also

has a year experience in the ICU. She is always looking for new educational opportunities. Teresa shares that: "In my spare time you can find me traveling the world, both for pleasure and on medical mission trips."

Abstract:

Aortic dissections are not too common, about 5-30 for every one million people. However, the mortality rate is extremely high, around 50%. Up to 40% of patients presenting to the ED with AAD are misdiagnosed. This means that an accurate and quick diagnosis of an AAD is vital for the survival of this deadly disease. To make this more complex, patients can present with atypical symptoms or present with symptoms of other more common conditions like myocardial infarction. Through case studies, attendees will learn the common and uncommon presentations for acute aortic dissection, who is at the highest risk, the best testing and diagnostics, and how to treat this critical condition.

Learning Objectives:

1. At the conclusion of this presentation, attendees should be able to identify typical and atypical signs of an aortic dissection
2. At the conclusion of this presentation, attendees should be able to summarize the best testing for diagnosing an aortic dissection
3. At the conclusion of this presentation, attendees should be able to differentiate between Type A and Type B dissection and list the different treatments based on type.

References

Benbouchta, K., Berrajaa, M., Ofkire, M., Ouafi, N. El, & Bazid, Z. (2020). An uncommon acute type a aortic dissection mimicking an inferior stemi. *Pan African Medical Journal*, 36.

<https://doi.org/10.11604/pamj.2020.36.247.23821>

Bojar, R. (2011). *Manual of Perioperative Care in Adult Cardiac Surgery*, 5th Ed. Wiley-Blackwell

Doksoz, A., Tek Ozturk, M., Salha, W., Taraktas, M., & Soydemir, H. (2017). A Case of Aortic Dissection Complicating Right Subclavian Artery Occlusion and Mimicking Inferior Myocardial Infarction. *Journal of Emergency Medicine Case Reports*, 8(2). <https://doi.org/10.5152/jemcr.2016.1782>

Evangelista, A., Isselbacher, E. M., Bossone, E., Gleason, T. G., Di Eusano, M., Sechtem, U., Ehrlich, M. P., Trimarchi, S., Braverman, A. C., Myrmet, T., Harris, K. M., Hutchinson, S., O'Gara, P., Suzuki, T., Nienaber, C. A., & Eagle, K. A. (2018). Insights from the international registry of acute aortic dissection: A 20-year experience of collaborative clinical research. In *Circulation* (Vol. 137, Issue 17).

<https://doi.org/10.1161/CIRCULATIONAHA.117.031264>

Mahalingam, S., Rajendran, G., Balaraman, N., Kumar, K., Rajendran, A., Nathan, B., Ayyan, M., Balassoundaram, V., Gara, M., & Kumar, P. (2021). Stanford - A aortic dissection presenting as a triple

mimic and role of point of care ultrasound in deciphering it. *Journal of Emergencies, Trauma and Shock*, 14(3). https://doi.org/10.4103/JETS.JETS_134_20

Mando, R., Tim, D., DeCicco, A., Trivax, J., & Hanson, I. (2020). Master of the Masquerade: An Atypical Presentation of Acute Aortic Dissection. *Case Reports in Cardiology*, 2020. <https://doi.org/10.1155/2020/5743985>

McBeth, B. D., & Rosenstein, D. I. (2020). Acute Aortic Dissection With ST Segment Myocardial Infarction Following Masturbation. *Journal of Emergency Medicine*, 58(4). <https://doi.org/10.1016/j.jemermed.2020.01.007>

Nakama, R., Yagami, T., Kaito, D., Tsukamoto, R., & Kase, K. (2020). Urolithiasis mimic: isolated spontaneous renal artery dissection in the emergency department. *Acute Medicine & Surgery*, 7(1). <https://doi.org/10.1002/ams2.466>

Salmasi, M. Y., Hartley, P., Hussein, M., Jarral, O., Pepper, J., Nienaber, C., & Athanasiou, T. (2020). Diagnosis and management of acute Type-A aortic dissection in emergency departments: Results of a UK national survey. *International Journal of Cardiology*, 300. <https://doi.org/10.1016/j.ijcard.2019.09.074>