Introduction
The Wells score assists with ruling out pulmonary embolism where pretest probability is low, and D-dimer is negative. This patient scored a score of 3, indicating risk of PE unlikely. False negative D-dimer occurs rarely, as low as 0.34% in low-risk populations.

Clinical Case
A 48-year-old female with no prior medical history presented to the emergency department after a witnessed syncopal event with chest pain. She is a smoker. D-dimer was within normal limits. Troponin was elevated 6–77. Computed tomography scan showed a submassive right pulmonary embolism. Anticoagulation was initiated and monitored inpatient.

Conclusion
D-dimer is sensitive but can have false negative results. Critical thinking is important when predictive scores are used in clinical decision making. Detailed imaging was ordered in this case due to clinical suspicion with critical thinking.

• The Wells score is useful in ruling out pulmonary embolism but should not outweigh clinical suspicion
• D-dimer is not always a perfect predictor to rule out pulmonary embolism

References

Electrocardiogram on admission: Normal sinus rhythm with a rightward axis.