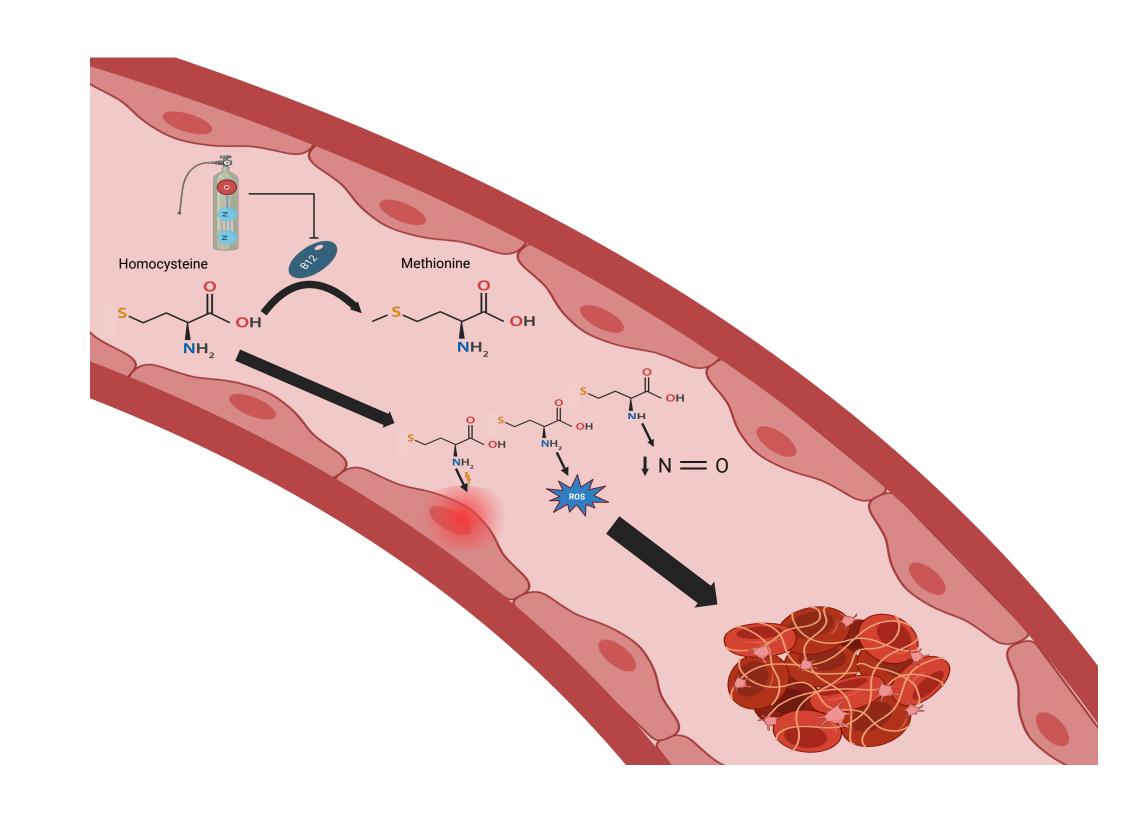
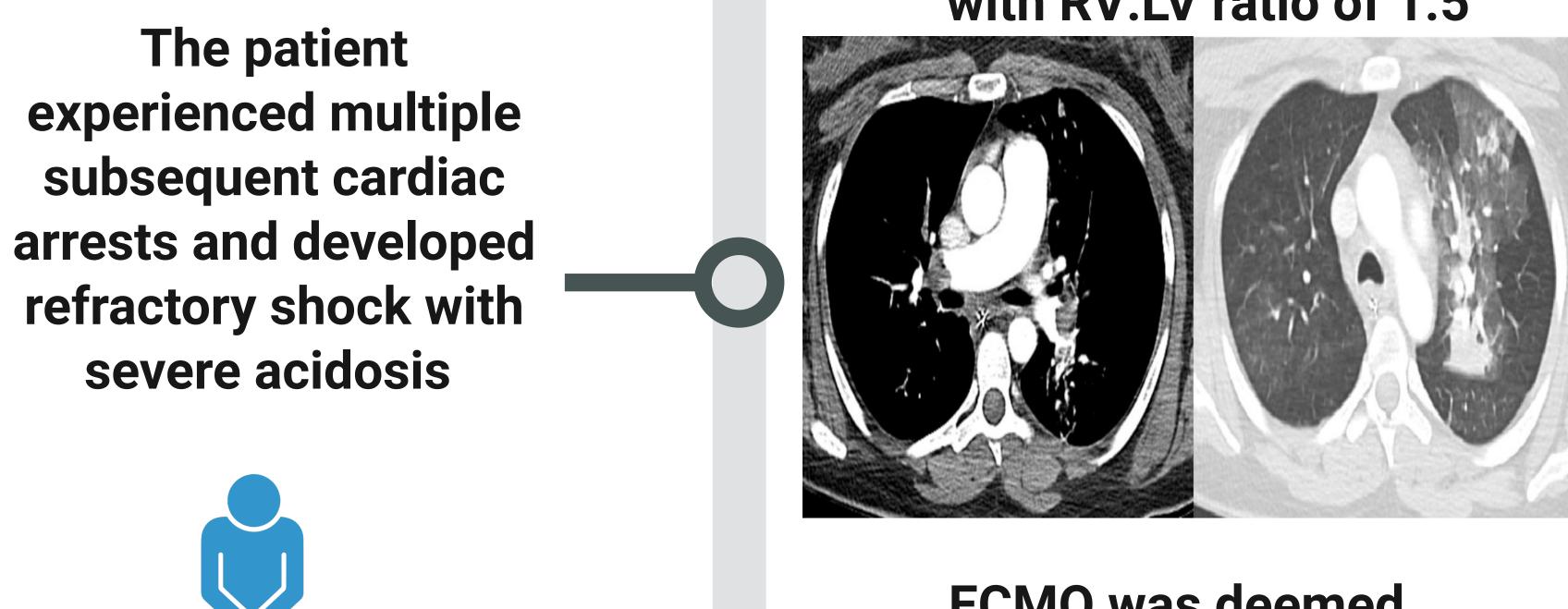


From Party Drug To Pulmonary Disaster - A Fatal Case Study

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INTRODUCTION Case Discussion 28-year-old woman with obesity and oral Recreational nitrous oxide contraception use • N₂O ("whippits") use has (N₂O) use has surged in use presented with become a popular party among young adults dyspnea and chest drug among across the pain after **United States** recreational nitrous Labs showed an N₂O use can cause a oxide ("whippits") elevated D-dimer, highinhalation hypercoaguable state via When combined with sensitivity troponins, a high-anion gap other hypercoaguable irreversible inactivation of metabolic acidosis, and factors, this can lead to a vitamin B12, leading to prothrombotic state **During transport for** hyperhomocysteinemia 1 AND STREET OF THE STREET OF resulting in VTE CTA PE, the patient experienced sudden When combined with other N₂O causes endovascular cardiac arrest, hypercoaguable factors, injury through multiple requiring 9 minutes of CPR and recreational N₂O can have mechanisms: generation thrombolytic therapy of reactive oxygen devastating consequences species, direct as seen in this case **CTA PE showed** endothelial damage, massive bilateral PE activation of the with RV:LV ratio of 1.5





ECMO was deemed futile and comfort care was initiated

- coagulation cascade, inhibition of thrombolysis, and a reduction in vasodilatory signaling molecules
- Recognition of this agent as a prothrombotic agent is imperative as its use continues to rise