

Collapse at the Marina Leads to Exhaustive Discovery

Masimo Rad-57™ Detects Severe CO Poisoning On a Boat

Location Everett, Washington

Clinician Reporting Captain Tom Cobb – Everett Fire Department

Patient Event Mental Status & Pre-existing Medical Condition Mask CO Symptoms

> The Situation

Everett Fire Department responded to a 9-1-1 emergency call about a man who had collapsed and appeared to be having convulsions on a boat docked at the Port of Everett Marina. When firefighters arrived at the scene, they found a semi-conscious, mentally-impaired male sitting at the stern of the boat. Firefighters attempted to gather details from the patient, but he was unable to communicate coherently, making any type of verbal screening impossible. With no other information available, the initial diagnosis of a seizure disorder was made and the engine crew called for an ambulance. While waiting for the ambulance to arrive, firefighters performed routine Pulse CO-Oximetry screening using the Masimo® Rad-57 Pulse CO-Oximeter.™ To the crew's surprise, the patient's carboxyhemoglobin (SpCO®) measurement was alarmingly high at 40%, which not only changed the diagnosis, but altered the course of treatment.



Everett Fire Department routinely uses the Rad-57 as part of their in-field triage program and credits the device with dramatically improving their patient screening capabilities – helping to speed accurate diagnosis and treatment for patients, while improving the efficiency and effectiveness of emergency operations at the scene.

> The Masimo Difference

Armed with an accurate diagnosis of severe CO poisoning, which explained the patient's uncontrollable shaking and unresponsiveness, firefighters were able to immediately alert the ER physician, begin treating the patient with oxygen at the scene, and rush him to the hospital for further evaluation and treatment. In addition, after locating and interviewing the witness who made the 9-1-1 call, firefighters learned that the patient had been working for several hours on a project aboard his friend's boat while the engine was running. They determined exhaust from the boat's engine to be the source of the poisoning.

“Having the Masimo Rad-57 definitely made a difference for this patient. He recovered quickly and fully because of the accurate detection, diagnosis and treatment decisions made on the scene— thanks to the Rad-57.”
- Tom Cobb, Captain, Everett Fire Department