



OXYSHOT EQUINE

ARTERIAL pO_2 AT REST IN A HORSE



An arterial catheter was placed in the temporal artery of a 4 year old standardbred gelding. The gelding was allowed to settle and was placed in a stall with ad-libitum water. A resting arterial blood sample was taken and partial pressure of oxygen was measured. A stomach tube was passed on the gelding and 100 ml of Oxyshot was administered. At 30 and 60 minutes after administration, arterial blood samples were taken and partial pressures of oxygen were measured.

The partial pressure of oxygen in the initial arterial samples was 72 mm Hg. Thirty minutes following administration of Oxyshot, the partial pressure of oxygen in the arterial blood rose 24% from basal levels to 89 mm Hg. At 60 minutes following administration of Oxyshot the partial pressure of oxygen in the arterial blood remained 14% above the basal reading at 82 mm Hg.

Arterial oxygen partial pressures of oxygen are important for peak athletic performance and recovery in the horse

