

EquiVentus® EIPH Treatment

EquiVentus is a revolutionary new treatment for EIPH (Exercise Induced Pulmonary Hemorrhage) and Nasopharyngeal Cicatrix. EquiVentus utilizes 44 secreted Stem Cell factors from bone marrow derived Mesenchymal Stromal Stem Cells. These stem cell factors reduce airway inflammation and attract type two macrophages (M2) that help the horse lungs heal after an insult of EIPH; this helps reduce lung fibrosis during the healing process.

EquiVentus has shown to reduce EIPH in working horses by reducing airway inflammation that in turn reduces vasodilation causing the airway capillaries to be less permeable to red blood cells. The EquiVentus treatment has also shown to dramatically shrink nasopharyngeal cicatrix. The EIPH/Nasopharyngeal Cicatrix Treatment is based off of a similar formula of concentrated stem cell factors that is used in the EquiFactor wound treatment without the hydrogel. 10ml of EquiVentus is nebulized via Flexineb nebulizer twice a day for 14 days. Limited trials showed improvement with Bronchoscopy, BALs as well as improved performance noted by the owners of the horses. Used by Dr. Marty Tanner in Elgin for EIPH in race horses and to also treat Nasopharyngeal Cicatrix.

The process of treating EIPH or Nasopharyngeal Cicatrix is simple, but the protocol of treatment needs to be followed in order to see the maximum benefit. For best results, the Flexineb self-contained nebulizer is the preferred nebulizer to be used with the EquiVentus Treatments. The Flexineb is easily placed onto the horse and the EquiVentus treatment can be added to the nebulizer treatment cup after the Flexineb is secured onto the horses head with the buckle strap. It is very important to clean the Flexineb nebulizer after each use and to nebulize a small amount of distilled water through it after cleaning in order to keep it from becoming clogged with future treatments.

The EquiVentus treatment must remain frozen until ready for use. Do NOT thaw using hot water. It is best to thaw EquiVentus at room temperature. If the EquiVentus treatment is thawed and not used immediately, it can be refrigerated for up to 12 hours. Discard the treatment if it is thawed and not used within 12 hours.

The treatment protocol for the EquiVentus treatment is to administer an entire 10cc bottle via Flexineb nebulizer twice a day while walking the horse in order to encourage the horse to breathe more deeply. It is best to space the treatments out as much as possible such as administering the treatment first thing in the morning and late in the afternoon each day. A treatment course consists of 28 treatments over a 14 day period.

The EquiVentus treatments help to prevent lung fibrosis from forming as a result of having blood leak into the airways and the inflammation that follows. The EquiVentus treatments have also been shown to have dramatic positive results when used to treat horses with nasopharyngeal cicatrix. In many cases, the nasopharyngeal cicatrix has been reduced in size up to 95%.

Michael C. Riddle, Jr., MD
Equifactor Inventor