THE IMMUNITY ACCELERATION SUPPORT FOR CHRONIC
ESOPHAGITIS / GASTRITIS IN A BOTTLENOSE DOLPHIN (TRUSIOPS TRUNCATUS) DURING LACTATION WITH IMUNO-2865®

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Treating a pregnant or lactating dolphin can be difficult due to the lack of safety studies. The present study discusses the use of Imuno-2865® reducing clinical signs in a case of esophagitis / gastritis in a bottlenose dolphin (Trusiops truncatus). Imuno-2865® is a beta glucan supplement extracted from a blend of mushrooms (shitake, maitake, and lingzhi), grass plant family (Poaceae), and yam family (Dioscoreaceae) delivered in a proprietary micro particle process to promote improved absorption.

Imuno-2865® has been given safely during gestation and lactation as an adjunctive immune support supplement. An elevation of tumor necrosis alpha-factor TNFα was observed in malnourished weanling elephant seals when supplemented with Imuno-2865® compared to the control group. TNFα is a cytokine helping to induce inflammation, inhibit viral replication, and has been demonstrated to enhance the systemic humoral immune response to Helicobacter pylori. Imuno-2865® also contains arabinogalactan, a polysaccharide, that acts as a prebiotic for beneficial gut microflora.

An 18-year-old, 250 kg, multiparous female nursing bottlenose dolphin had a chronic history of esophagitis / gastritis for eleven years. Clinical signs included chronic bleeding with evidence of red coloration of gastric samples, increased inflammation on cytology, loose cardia, and peeling from the esophagus membrane. Gastric medication protocols were attempted, but not successful at providing complete resolution. All mediations were stopped and Imuno-2865® was started 1500 mg PO BID for 21 days to support the immune and digestive system. Gastric cytology showed that the esophagitis / gastritis was improving. When the animal was taken off Imuno-2865®, seven days later the cytology again showed evidence of inflammation and gastric fluid appeared grossly red.
Reference


