

**Peritonitis Associated with *Streptococcus Equi* Subsp. *Zooepidemicus*
in a Thoroughbred Horse**

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Fibrinopurulent peritonitis associated with *Streptococcus (S.) equi* subsp. *zooepidemicus* is reported in a 1-year-old female thoroughbred horse. The horse died after showing 5-day history of severe abdominal distention, abdominal breathing, hyperthermia, anorexia, and loss of intestinal sound. At necropsy, several liters of turbid yellowish green fluid were seen in the abdominal cavity. Yellowish creamy and fibrinous or bloody materials were presented on the serosa of various abdominal organs that were intensively adhered with each other. Spleen and mesenteric lymph node were remarkably enlarged. Affected lobes of the lung showed severe congestion and doughy consistency. Histologically, the lung showed diffuse pulmonary congestion and edema. Severe diffuse fibrinopurulent peritonitis with bacterial colonies and adjacent fibrosis were showed in the serosa of various abdominal organs such as liver, spleen, stomach, and intestine. And multifocal abscess pouch were presented in the granulation tissue of abdominal viscera. Gram-positive cocci were often associated with the peritonitis. *S. equi* subsp. *zooepidemicus* was isolated from the peritoneal swab and other abdominal organs.

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