Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #: 102 Month: August Year: 2018

**Contributor:** Agathe Bédard, MV, DES, DACVP, Charles River Laboratories Montreal, Canada

**Clinical History:** Rats (unknown age) were used to develop an *Alternaria alternata* asthma model. Two days after a single intratracheal administration of either *Alternaria alternata* or PBS (control), animals underwent lung collection (no macroscopic examination was performed). Lung is from a PBS-control animal.

**Microscopic Images:**
Follow-up questions: Provide the description and morphological diagnosis. In which rat strain is this condition observed? What is the cause?
The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website (http://www.cldavis.org/diagnostic_exercises.html).

Editor-in-chief: Vinicius Carreira
Associate Editor for this Diagnostic Exercise: Ingeborg Langohr