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Clinical History: A 20-day-old female Holstein calf from a dairy farm at which four calves presented respiratory difficulty. The animal was euthanized and a necropsy was performed.

Necropsy Findings: The carcass was in fair to poor nutritional condition, with very small amount of fat reserves, and severely dehydrated. The right lung had a well demarcated, focally extensive area of consolidation in the caudal portion of the cranial lobe and the middle lobe. Approximately 10 % of the total pulmonary parenchyma was affected.

Microscopic Images:
Follow up questions: Microscopic description; Morphologic diagnosis; Two possible causes.
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).

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