**Supplementary Table 1** **Basic clinical information of six goats.**

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| **Goat number** | **G1** | **G2** | **G3** | **G4** | **G5** | **G6** |
| **Age** | 2.0 years | 3.0 years | 2.0 years | 1.0 years | 1.5 years | 2.0 years |
| **Sex** | Female | Male | Female | Female | Female | Male |
| **Weight** | 23.0 kg | 47.3 kg | 20.1 kg | 18.9 kg | 17.6 kg | 29.5 kg |
| **Breed** | Anhui white goat | Anhui white goat | Anhui white goat | Anhui white goat | Anhui white goat | Anhui white goat |
| **Time of first****clinical signs** | Unknown | Three months ago | A month ago | About a month ago | No obvious clinical signs | Three months ago |
| **Clinical signs****at admission** | Serous nasal fluids bilateral,heavy breath sounds,foam around the mouth,mental depression | Serous nasal fluids with right nostril,heavy breath sounds,slight loss of appetite | Serous nasal fluids bilateral,heavy breath sounds,salivation,severe mental depression,moderate loss of appetite | A little transparent liquid around the right nostril | No obvious clinical signs | Mucoserous nasal fluids bilateral,facial swelling,open mouth breathing,severe salivation and mental depression,no appetite |
| **Treatment****and****effect** | Conventional antibiotic treatment was ineffectual | No treatment | Tracheotomy for relieve dyspnea | No treatment | No treatment | Conventional antibiotic treatment was ineffectual |
| **Outcome** | Died of respiratory failure 28 days after admission | Died of respiratory failure 41 days after admission | Died of malnutrition 16 days on postoperative | Died of suffocation 53 days after admission | Not dead | Died of respiratory arrest during MRI scan after admission |