

## A CASE OF HAND REARING OF A RED-SHANKED DOUC LANGUR

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### Abstract

A female red-shanked douc langur (*Pygathrix nemaeus*) was borne in 27<sup>th</sup> December 2013 and she was hand reared on 12 days old due to the poor health condition of mother. The baby was put in an incubator (temperature: 32°C, humidity: 60%) soon after separating from mother and the temperature of incubator was reduced into 25°C gradually. After 35 days old, the baby was often replaced from the incubator to a wired cage (58cm\*88cm\*118cm) in the nursing room of the zoo at 24°C. After 153 days old, she was kept there all day. Powdered milk for human with lactic acid bacterium preparation and powder of mulberry leaves was used for the early stage of hand rearing. Milk was given 5 times per a day every 4 hours between 6am and 10pm. Milk amount was around 15ml per feeding. After 17 days old, teeth gnashing was observed when she looked at leaves, and then she began to chew leafstalk selectively. After 27 days old, we fed grinded vegetables, apples and leaves with small portion powdered milk to the baby as weaning diet. Large-volume vomiting was observed at 44 days old. Antibiotic was prescribed orally for 2 days from next day of vomiting. However, it occurred more frequently and furthermore blood clot was observed in vomitus at 52 days old. For treatment, Ranitidine was administered subcutaneously 2 times per day for 17 days, and Sucralfate was added to milk for 31 days. In order to improve bacterium flora of stomach, gastric liquid of her father was collected and given to the baby langur at 61 days old. The baby began to eat small leaves at 68 days old. To lessen anxiety of loneliness, keepers tried to hang out and play with her as far as possible from 89 days old. Trying to increase body weight of the baby, concentration of milk was thicken up from 93 days old. Milk feeding frequency was changed to 6 times per day, every 3 hours at 99 days old. In the result, the body weight, which had hovered at a low level around 490g since beginning of hand rearing, increased to over 1kg at 235 days old.