

Abstract

This essay describes and analyzes of locomotion, sexual, affiliative and agonistic behavior in a group of pig macaque (macaca macaques) at Prague Zoo. Data collection took place in the period from December 2015 to May 2016. In the winter months (December to March) at the times from 9.00 to 16.00 hrs., And in April and May 2016 in time from 9.00 to 18.00 pm. The total observation period reached 240 hours. Data were analyzed using Statistics 12th and MS Excel 2007.

Objectives of the work are three:

- (1) Based on the research literature to describe the behavioral ecology of macaque monkeys.
- (2) The detailed description and analysis of locomotion, sexual, affiliative and agonistic behavior in a group of macaque pigs in the Prague Zoo.
- (3) Describe grooming, depending on time of day and social position in the group of pig macaque in the Prague Zoo.

We tested five hypotheses, which can be divided into four categories. We first investigated the hierarchy of the group. Furthermore, we investigated the behavior depending on the sex of the individual, and consequently the position in the hierarchy. In the last part we dealt with in detail during grooming.

Tests confirmed the existence of a clear linear hierarchy based on agonistic interactions. The results showed that move around the enclosure depends on the sex of the individual. We found significant dependence affiliative and agonistic behavior in both sexes. We assumed positive correlation between the status of an individual in the hierarchy and movement on the run, which we could not confirm. We found a positive correlation between the position of an individual within the hierarchy and the frequency of affiliative and agonistic behavior.

When examining grooming group macaques we found that females provide grooming more frequently than males. We verified that the frequency provided by grooming positively correlated with the position of the individual in the hierarchy. We found that the greatest frequency of grooming is between 11 and 15 o'clock in the afternoon. We also confirmed the facts cited literature that a mother caring for young devotes considerably less time than females allogrooming that young people have.

Keywords: pigtail macaque (macaca macaques), locomotion, affiliative behavior, agonistic behavior, sexual behavior, grooming