

Title:

Analysis of demographics and complications of feline total hip replacements using cases from 2011 to 2023

Summary/Abstract:

The aim of the study was to determine which demographics of cats are most likely to require total hip replacement (THR) surgeries and to monitor the incidence at which complications occur following the procedure. The study was a multi-institutional retrospective cohort design with data sourced from a database including the results of 69 hip replacements carried out on 55 cats. Data recorded on the database included the distribution of age, breed, weight and gender, surgical details, complication reports, and preoperative and postoperative FMPI scores. Our study found that the most common indication for THR is slipped femoral capital physis. The most representative signalment was of male neutered cats weighing 5.3kg, with a mean age of 2.7 years old, and of the breed domestic short hair. The complication rate was 25.37% (17 of 69) and the most reported cause of complications was luxation. Following the results of this study and others it appears that the population most likely to be indicated for THR is larger, young neutered male cats. These results agree with previous findings suggesting that the study was a success.

Figure 1- Breed distribution of feline THR cases

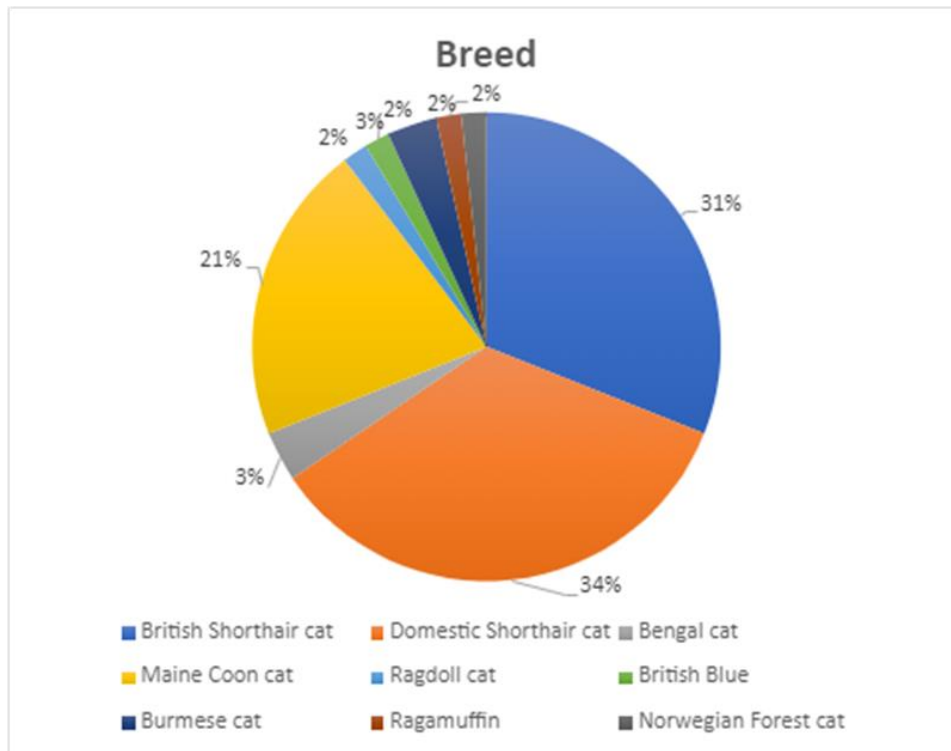


Figure 4- Indications for feline THR surgery

