Index of Tables

Table 1: Age of control horses and patients in years 38

Table 2: Distribution of sexes among the groups of controls and patients 38

Table 3: Distribution of the different breeds in the groups of controls and patients 39

Table 4: Distribution of the different joint types in the groups of controls and patients 39

Table 5: Criteria to the grading of lameness 40

Table 6: Radiographic views performed for each joint type 41

Table 7: Classification criteria of samples in diagnostic groups based on anamnesic data, clinical and radiographic examination and analysis of synovia 42

Table 8: pH values in synovia in the groups of controls and patients 47

Table 9: Total protein concentration (g/dl) in the groups of control and patients 48

Table 10: Total white blood cell count (cells/µl) in the groups of controls and patients 49

Table 11: MPO-Activity (mU/µl) in the groups of controls and patients 51

Table 12: Distribution of the different degrees of synovial viscosity in the groups of controls and patients 52

Table 13: Distribution of the different degrees of lameness in the groups of controls and patients 53

Table 14: MPO-Activity (mU/µl) in samples with different degrees of synovial viscosity 57

Table 15: MPO-Activity (mU/µl) detected in samples taken from limbs showing different degrees of lameness 58