EXPRESSION OF REGULATORY T CELL ACTIVATION MARKERS IN PLACENTAL TISSUES FROM EARLY AND LATE PREGNANCY IN THE FIV-INFECTED CAT

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METHODS

1. Quantify the expression of viral RNA in placental and fetal specimens.
2. Quantify the expression of placental CD25, FoxP3, and CTLA4 in placental samples from infected fetuses and control fetuses by real time reverse-transcriptase PCR.

RESULTS

CONCLUSIONS

SUMMARY OF RESULTS

• Vertical transmission of FIV occurred in 12 of 14 infected cats for 3-4 weeks of gestation.
• In normal animals, Tregs may decrease with advancing pregnancy.
• FIV infection decreased expression of CD25 at early pregnancy, but not late pregnancy.
• FIV infection caused increased expression of CTLA4 at late pregnancy.
• Placental infection did not affect expression of CD25.

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