

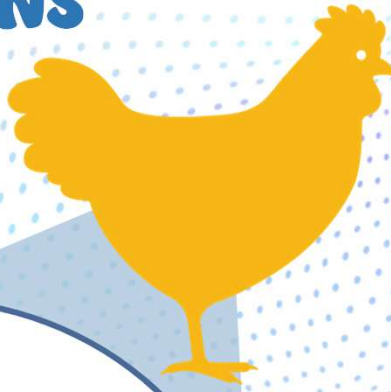
TOWARDS A BETTER USAGE OF OXYTETRACYCLINE IN THE EGG INDUSTRY

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35,6 MILLIONS

of laying hens in Canada



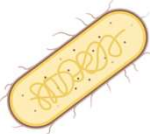
10 BILLION

eggs produced annually in the country

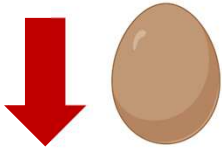


THREATENED BY:

Avian pathogenic *Escherichia coli* (APEC)



MORTALITY



PRODUCTION

OXYTETRACYCLINE (OTC)

Used for the treatment of APEC infections



BUT!!!

INCREASE IN ANTIMICROBIAL-RESISTANT APEC

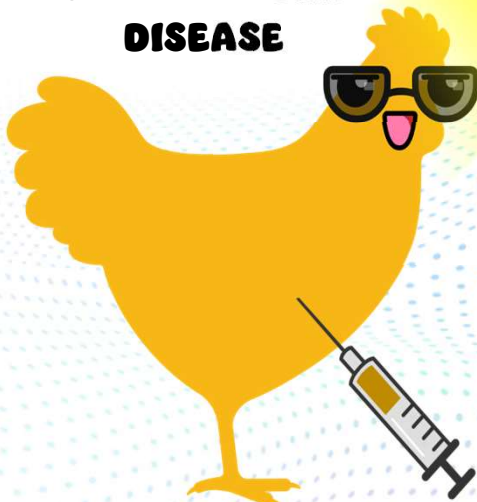
NO OPTIMIZATION OF OTC DOSAGE REGIMENS SINCE 1960

Finally I'm popular!!!



MY MISSION:

DEVELOP AN *IN VIVO* MODEL OF THE DISEASE



1) Define optimal dose/duration treatment with OTC to reduce treatment failures



TO



2) Reduce the withdrawal time of eggs for human consumption