



272 Research paper

**Early postnatal rearing conditions of broilers influencing antibiotic use and mortality in the first 10 days. [Le démarrage**

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**In Significant Impact Groups:**

Housing and welfare \ Weaning age and management AMU

Species targeted: Poultry;

Age: Young;

**Summary:**

The first 10 days of poultry rearing are a critical period for the chick development. A study was conducted to identify the early postnatal rearing conditions of broilers influencing antibiotic use and mortality in the first 10 days. 50 broilers flocks were investigated in Brittany. Visits were conducted 24 hours after the arrival of the chicks (V1) and 3 days later (V2). The average mortality rate was 1.9%, and 47 % of the flocks received antibiotic treatment. Data analysis revealed that flocks with a mortality rate higher than the overall flocks (2.3 %), were frequently treated with antibiotics (58 % of the flocks), were characterized by presence of E. coli in chicks in V1 and lameness in V2 chicks, generally had higher concentrations of CO2 in V1 (> 3 000 ppm), were located further from the hatchery (> 200 km) and did not use detergent to wash the poultry house.

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**Where to find the original material:**

<https://www.itavi.asso.fr/content/le-demarrage-des-poulets-de-chair-jeuneaviplus;>

Country: FR