

## **EFFECTS OF ACETYLSALICILATE USED IN POST CALVING OF DAIRY COWS**

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With the aim to attenuate the effects of cytokine release after calving, some cows were treated (11 head) or not (CTR, 11 head) with lysine acetylsalicylate (ASL). Milk yield, disease occurrence, BCS, fertility and metabolic profile were frequently monitored. ASL has: increased milk yield ( $P < 0.10$ ); ameliorated fertility (i.e. 50 vs 27% of cow pregnant after 1<sup>st</sup> insemination), although incidence of metritis were increased (30% vs 18% of CTR); shown a reduction of inflammation indices (i.e. Zn, ceruloplasmin) and an increase of proteins usually synthesized by liver during 1<sup>st</sup> month of lactation, suggesting a better hepatic function. The use of anti-inflammatory after calving seems useful to improve health conditions, milk yield, fertility and welfare of dairy cows, but further researches are required. proteins usually synthesized by liver during 1<sup>st</sup> month of lactation, suggesting a better hepatic function.

