





Peripartal metabolic adaptations in naturally scrapie-infected and healthy ewes

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Hypothesis

CONCLUSIONS

Biochemical changes in blood metabolites due to peripartal adaptations might differ between naturally scrapie-infected and healthy ewes.

 Pre-clinical prion disease hardly affected blood substrates around lambing.



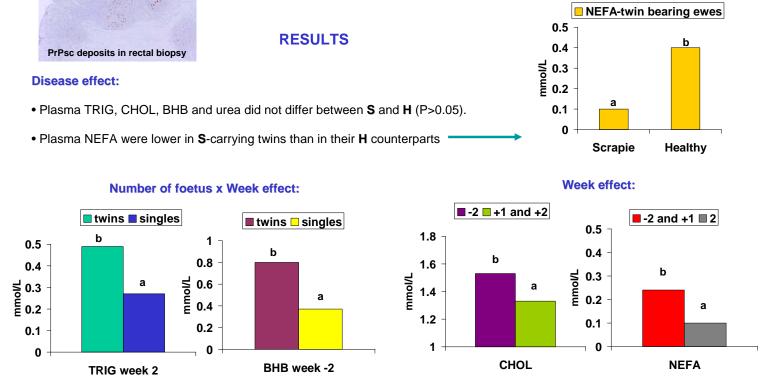
MATERIAL AND METHODS

Animals

• Rasa Aragonesa ewes (n=22, BCS= 3.2) naturally scrapie-infected (**S**; *in vivo* diagnosed by rectal biopsy and confirmed *post-mortem*) or healthy (**H**) were controlled during the transition period.

Measurements and analysis

 Blood samples were collected at weeks -2, +1 and +2 relative to lambing to determine plasma triglycerides (TRIG), cholesterol (CHOL), non-esterified fatty acids (NEFA),
ß-hydroxybutyrate (BHB) and urea.



Within each parameter, different letter denote statistical differences (P<0.05).

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