

EFFECT OF THE TIME OF OOCYTE COLLECTION, BY SLICING PROCEDURE, ON THE MEIOSIS RESUMPTION AND FURTHER *IN VITRO* EMBRYO PRODUCTION OF OOCYTES OF PREPUBERTAL GOATS



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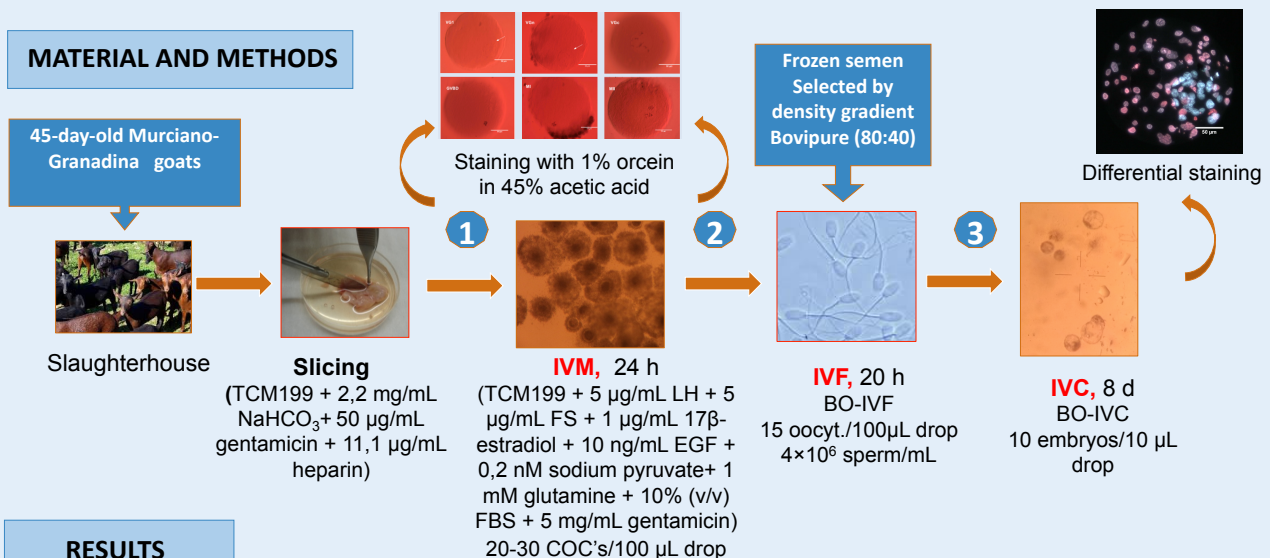
INTRODUCTION

The production of embryos *in vitro* from oocytes of prepubertal females is the technique called JIVET and It has the advantage of shortening the generational interval and increasing genetic improvement. The ovaries of prepubertal females contain a greater number of oocytes per ovary, but with lower quality since they come from follicles of smaller diameter but with less competence to develop to blastocyst after *in vitro* fertilization. Oocyte competence is affected by follicle diameter and follicular fluid composition which, among other components, contains meiosis inhibiting factors.

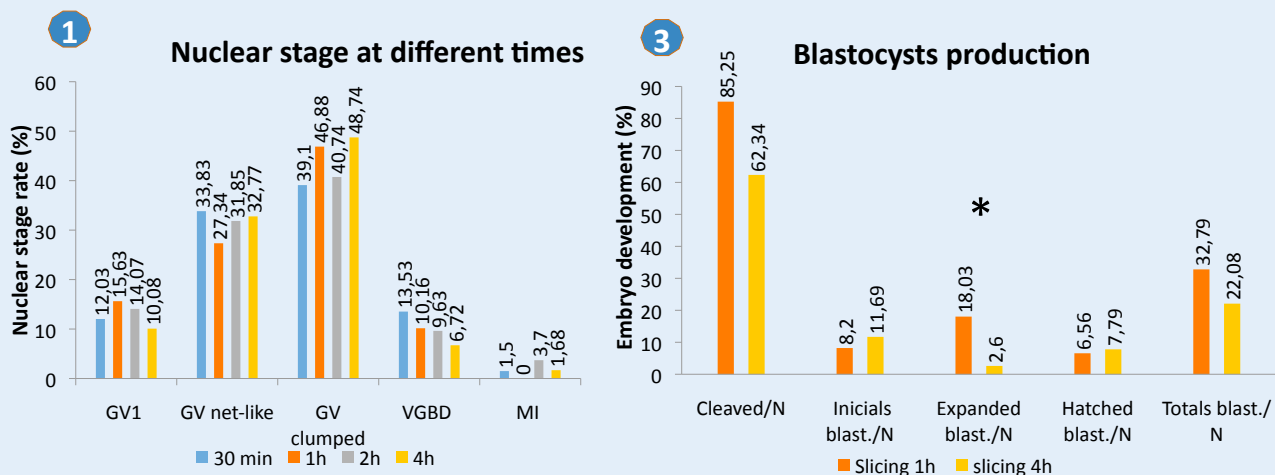
OBJECTIVE

Evaluation of resumption of meiosis, oocyte *in vitro* maturation and *in vitro* embryo production of prepubertal goat oocytes, according to the interval time between oocyte liberation from the follicle by slicing and the incubation of the oocyte in the maturation culture conditions.

MATERIAL AND METHODS



RESULTS



CONCLUSION

No differences were observed in the oocyte nuclear stages according to the different interval time between oocyte liberation and oocyte culture in the *in vitro* maturation conditions. However, a clear higher tendency was observed in the total of *in vitro* blastocyst production in the group of 1 h of oocytes placed the slicing medium.