

Influence of porcine oviductal fluid on motion parameters in ejaculated and epididymal boar sperm

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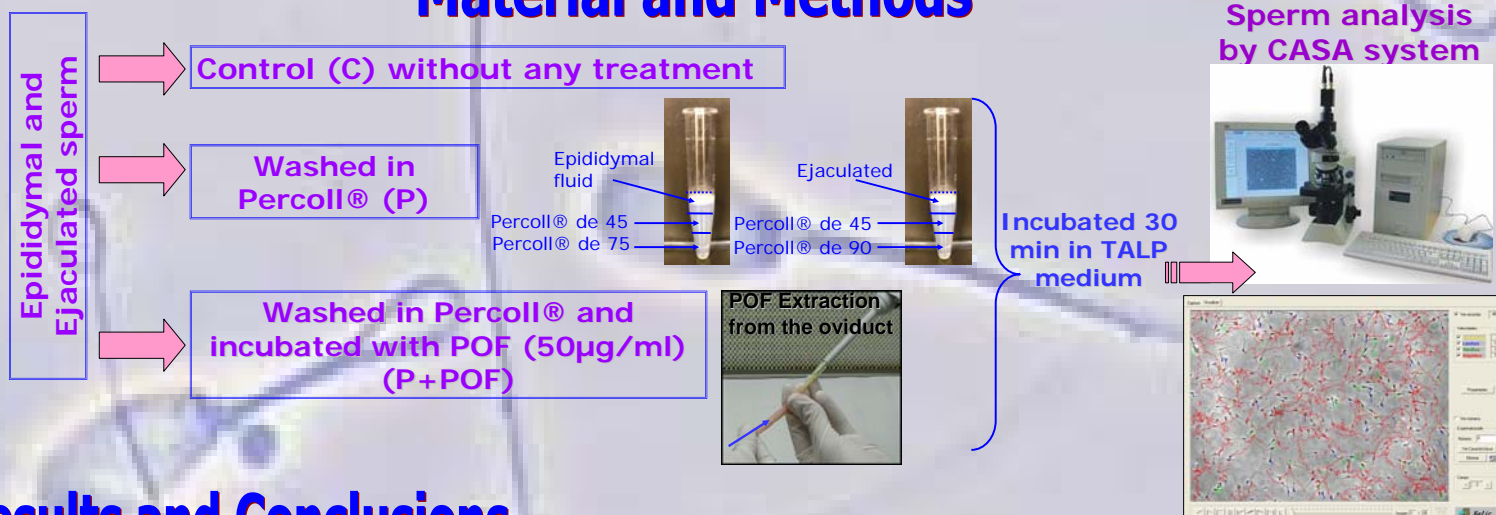
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Objective:

Determine the influence of Porcine Oviductal Fluid (POF) on motions parameters in ejaculated (EJ) and epididymal (EP) boar spermatozoa under capacitating conditions

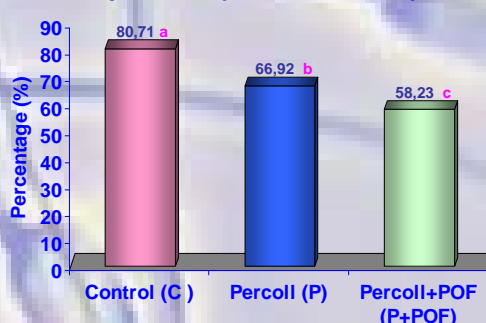
Material and Methods



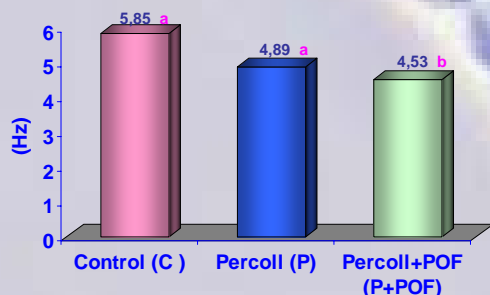
Results and Conclusions

The presence of POF in EJ sperm reduced the percentage of total motility and modify the motion pattern reducing the lateral head displacement (ALH) and beat cross-frequency (BCF). The incubation with POF in EP sperm did not affect the parameters analyzed.

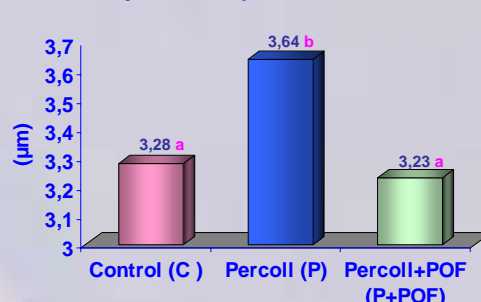
Ejaculated Spermatozoa Motility



Ejaculated Spermatozoa BCF



Ejaculated Spermatozoa ALH



Some motion parameters were modulated by POF in EJ sperm. POF not affected motion parameters in EP sperm. Some interactions between proteins adhered to the EJ sperm membrane (from seminal plasma) and POF proteins could modulate sperm motility.