

Platelet-Activating Factor does not stimulate the in vitro contractile activity of the pregnant sheep myometrium near term

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PLATELET-ACTIVATING FACTOR DOES NOT STIMULATE THE IN VITRO CONTRACTILE ACTIVITY OF THE PREGNANT SHEEP MYOMETRIUM NEAR TERM Garcia-Villar, R.*, Parks, J.E. ^{1*} , Hough, S.R.* and Nathanielsz, P.W. Laboratory for Pregnancy and Newborn Research, College of Veterinary Medicine and Department of Animal Science, Cornell University, Ithaca, NY 14853-6401 HD 21350.				
stimulate myometrial cont control of myometrial active contractility either in vivo determining the effects of METHODS: Strips of ute in vitro with 37°C oxygen strain gauges under a rest (CRCs) to PAF (0.01 mM constructed using duplicat were calculated. PAF supequine platelets. RESULTS: All myometrimin intervals. As expecte related fashion. The EC5 nM). In contrast, despite a PAF (1-O-hexadecyl and sperm, PAF was without ceffluents demonstrated that CONCLUSION: Our rest dependently contracted by	In women and several animal ractility thus contributing to wity at different stages of present of the property of the propert	parturition. The sheep gnancy. There are no retant experimental species from pregnant sheet from seven sheep at 12 without 3 µM indomet matically quantified. Concentration in each ected for a bioassay of pattern of spontaneous consistently stimulate was significantly (p < 15 and different experimental and without 2.5% BS. Stility in any of the tissue y active during the course are not stimulated by	has been extensively invest data on the effects of PAF data on the effects of PAF ecies. The present study op in vitro. 20-145 days gestation age we thacin. Contractions were cumulative concentration-reglandin (PG)F _{2α} (1 nM to animal. Wherever possible PAF based on [³ H]serotors contractions about 1 min of myometrial activity in a contraction of the myometrial particle. A and HPLC-purified PAF and HPLC-purified PAF are preparations. Bioassay on the experiment.	igated to study on myometrial was aimed at ere superfused recorded with esponse curves 100 µM) were e EC50 values nin release for duration at 2-3 concentration- oxytocin (0.18 uded synthetic f from bovine of superfusion which are dose- sting that PAF
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