

Beef on Dairy: "Uteri for Rent" - Semen or ET in hot climates?

2022 High Plains Dairy Conference

Paul M. Fricke, Ph.D.

Professor of Dairy Science



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"Uteri for Rent"

2022 High Plains Dairy Conference

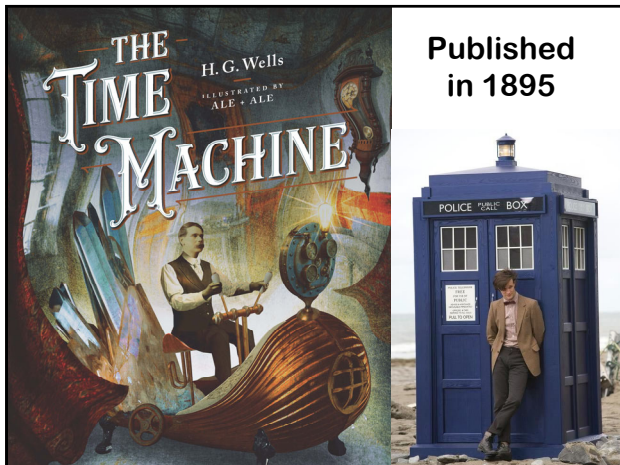
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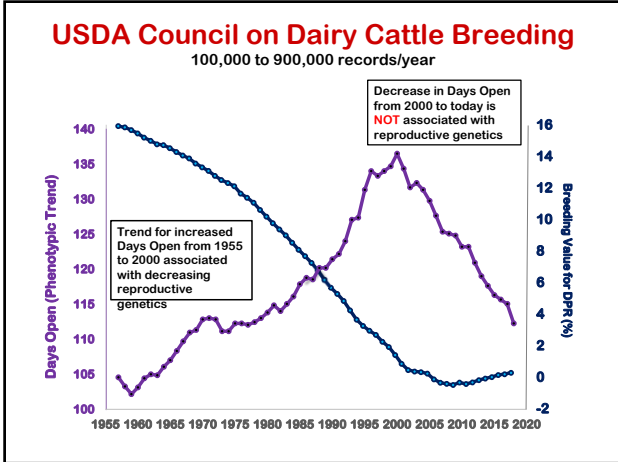
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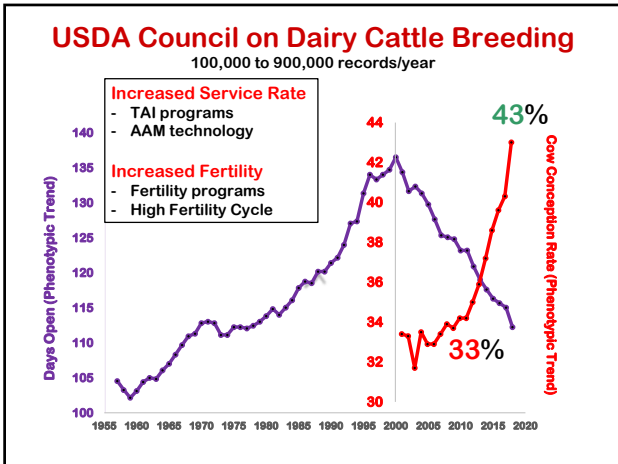


Published in 1895

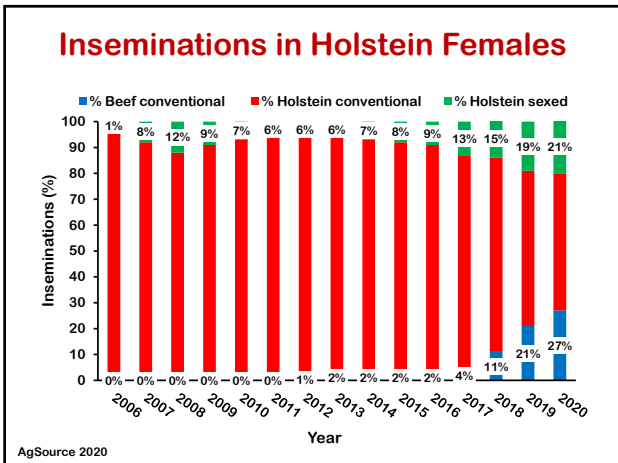
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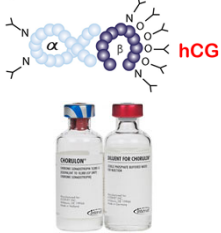


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J. Dairy Sci. 102:2593–2606
<https://doi.org/10.3168/jds.2018-15588>
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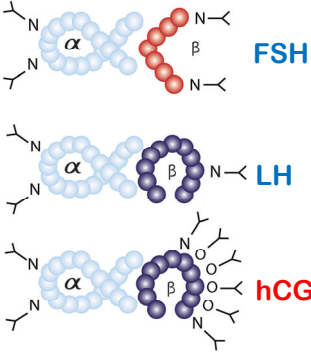
Effect of treatment with human chorionic gonadotropin 7 days after artificial insemination or at the time of embryo transfer on reproductive outcomes in nulliparous Holstein heifers

A. M. Niles, H. P. Fricke, P. D. Carvalho, M. C. Wiltbank, L. L. Hernandez, and P. M. Fricke*
 Department of Dairy Science, University of Wisconsin-Madison, Madison 53706

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Glycoprotein Hormones



FSH
Pituitary gonadotropins

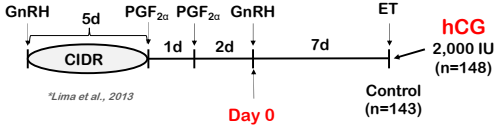
LH
The amino acid sequence homology between hCG and bovine LH is ~80%. (Pierce and Parsons, 1981)

hCG

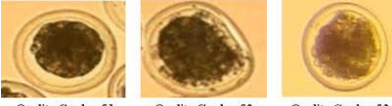
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Experiment 2 - ET

ET after synchronization of ovulation

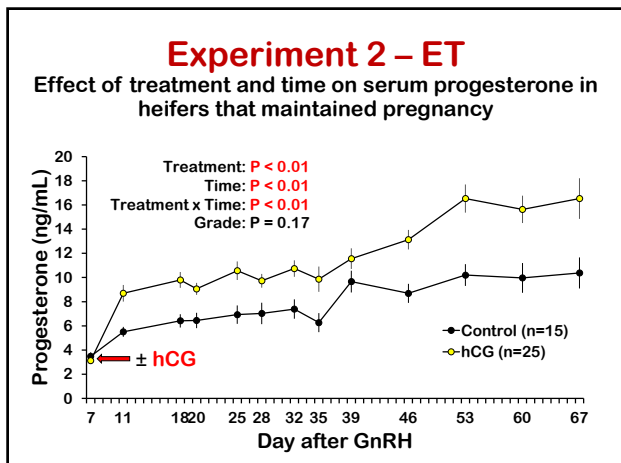


*Lima et al., 2013

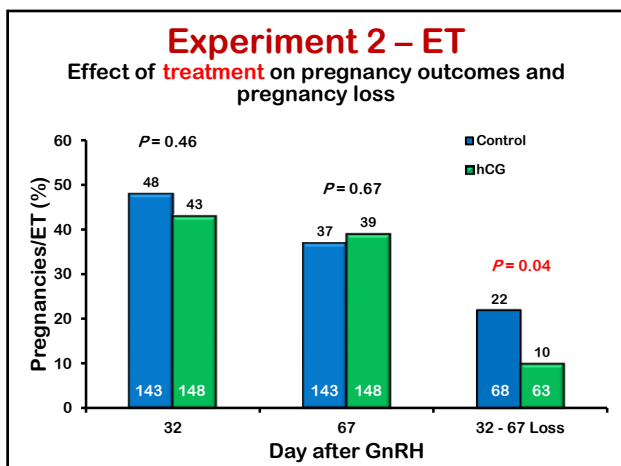


Quality Grade of 1 Quality Grade of 2 Quality Grade of 3

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Panelists

- Dr. Jeremy Howard
 - Simplot Animal Sciences
- Leo Ruijne
 - Dairy Fountain
- Luis Davalos
 - Corrales Dairy

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