



REPRODUCTIVE HERD HEALTH

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CLINICAL-PRACTICAL APPROACH TO UTERUS INFECTIONS IN COWS

Hypothetical Approach to Fertility



Postpartum uterine infections



Postpartum uterine contamination



(Sheldon ve Dobson, 2004)

The most common bacterial species and density in P.P uterus



P. P. Factors Associated with the Development of Uterine Infections



(Noakes, 2009)

The face of metritis (the importance of the Puerperal period)



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Puerperal physiology-pathology



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(Stella ve ark., 2016)

Economic importance of metritis

Metritis are, * Seen on every cow and farm

NEGATIVE RESULTS OF METRITIS

Death

Treatment costs

<u>Labor</u>

Milk loss

Meat-milk antibiotic residual problem

Infertility

Sterility - Cutting

ECONOMIC LOSS

Sheldon, 2009

Variable - increases or multiplies depending on factors. Every farm	
<u>Metritis incidence rates</u>	
Postpartum metritis: 36-50% (40%)	
Systemic symptoms: 15-20% (3 weeks postpartum)	
Subclinical endometritis: 30%	

Herd management and management	Vaccination program
Feeding in transition period	Negative energy balance
Management of birth process	Mat, birth aid, etc.
Immunological competence of flock and individual	Stres
Intensity of the causative agents of infection	
	Environmental hygiene

Metritis is sometimes a CONCLUSION and sometimes a CAUSES [Infertility] Metritis is an immunological problem



Transition immunology and uterine infections

NEGATIVE ENERGY CURVE BEFORE AND AFTER BIRTH



Water intake-Metritis relationship in periparturient period



The relationship between dry matter intake and metritis in the periparturient period



J. M. Huzzey and T. R. Overton, Cornell University

Metritis, factor-predisposition factors and the role of immunity



How important are the risk factors in metritis? (How do they impact)



Uterine Infections-Ovarium Function Interactions



Metritis-Fertility: Prognosis

- 1. Type of infection
- 2. The duration of infection in the uterus
- 3. Endometrial gland degeneration
- 4. Depends on the effectiveness of treatment

Cervisitis Oophoritis Salphingitis IBR, BVD Neospora Heat stress Mineral Trace element Vitamin Vitamin