



Everything You Need to Know

About the Bitch's Milk

Dr Emmanuel Fontaine
Royal Canin Canada

15 years

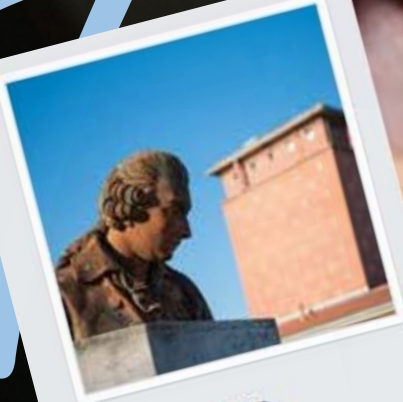
ago





2016 ISU

aka International Symposium on Canine and Feline Reproduction



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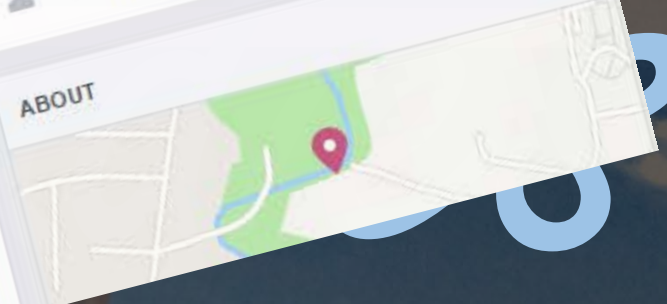


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ABOUT



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NeoCare shared Ecole Nationale Vétérinaire de Toulouse's photo.
September 7 at 3:21pm ·

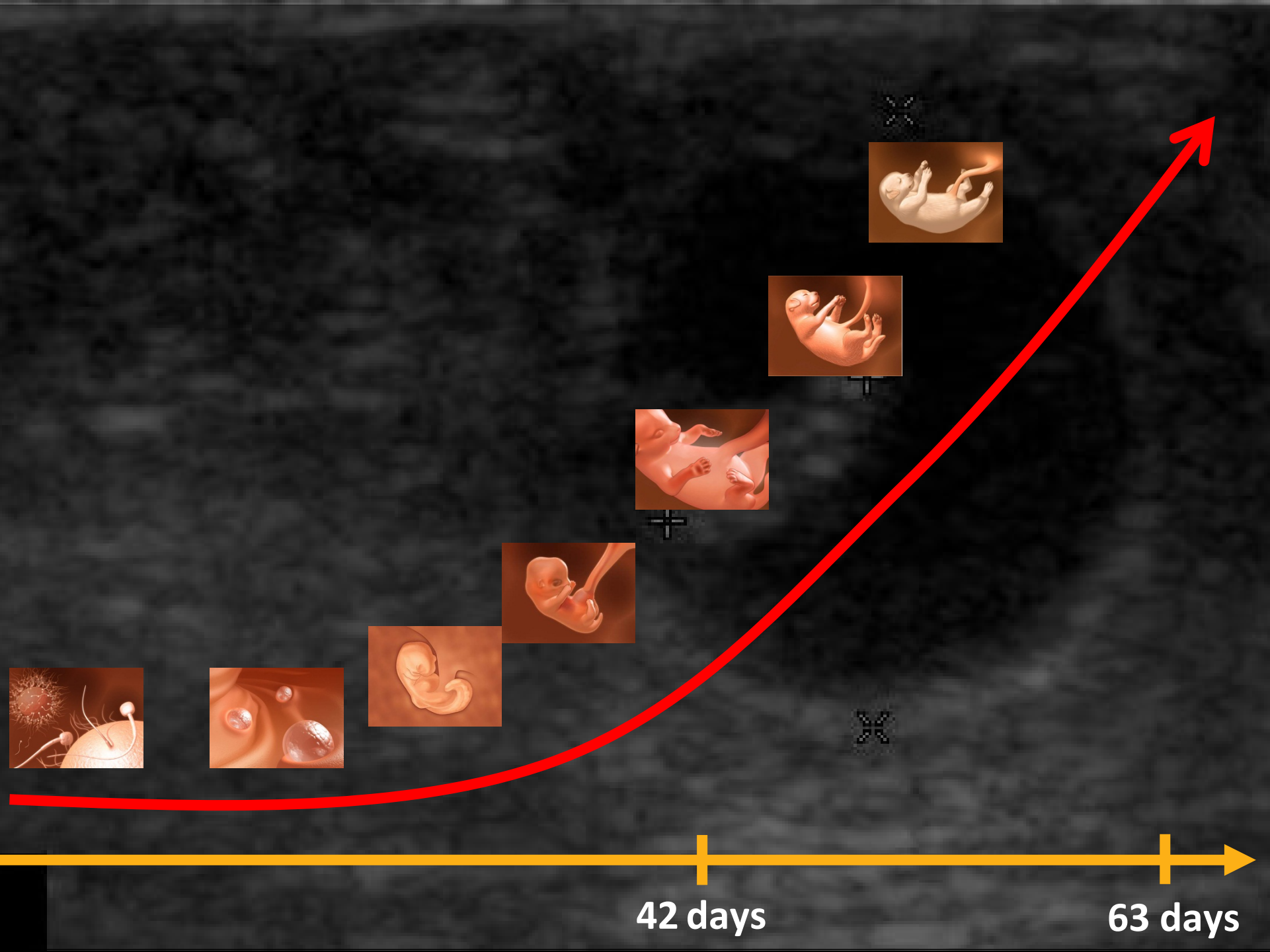


Key Element

about lactation

Parturition





What should be the weight
of your pregnant bitch?

115-

1050/

Key Element

about lactation

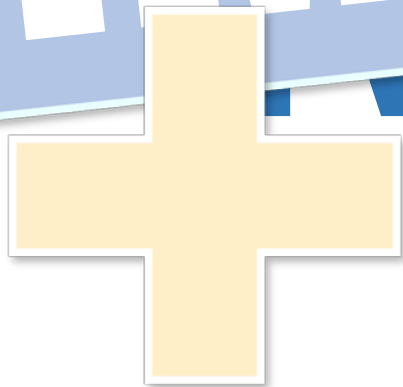
Parturition



**The Colostral Phase*

COLOSTRUM

UNIVERSITY

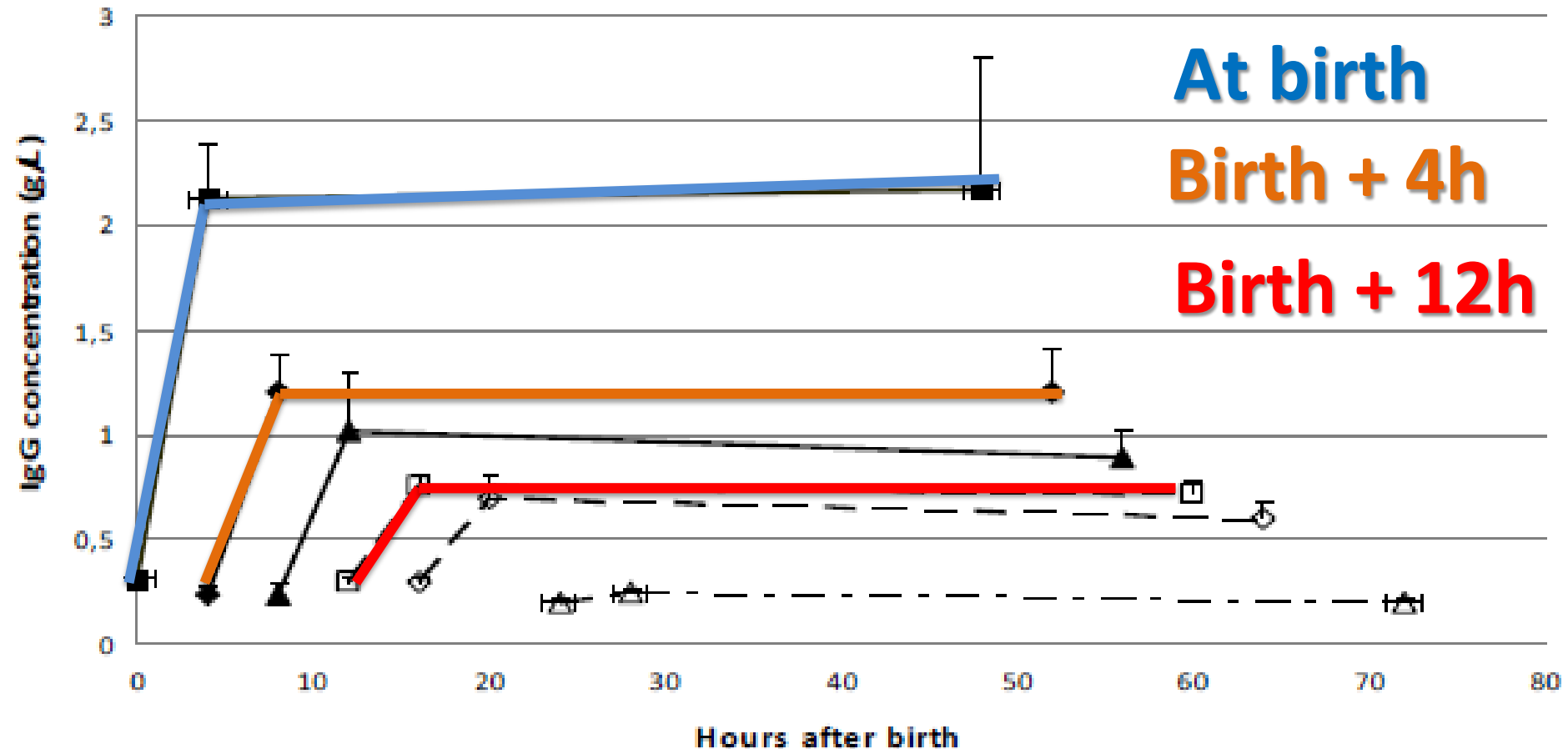


ENERGY

Timing of the Intestinal Barrier Closure in Puppies

S Chastant-Maillard^{1,2}, L Freyburger^{3,*}, E Marcheteau³, S Thoumire^{4,5}, JF Ravier⁶ and K Reynaud^{4,5}

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Immunoglobulin G concentration in canine colostrum: Evaluation and variability

Hanna Mila^{a,b,c}, Alexandre Feugier^c, Aurélien Grellet^c, Jennifer Anne^a, Milène Gonnier^a,
Maelys Martin^a, Lisa Rossig^a, Sylvie Chastant-Maillard^{a,b,*}

^a Université de Toulouse, INP, ENVT, UMR 1225, IHAP, 23 Chemin des Capelles, 31076 Toulouse, France

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^c Royal Canin, 650 Avenue de la Petite Camargue, Aimargues, France

42 ± 32.1



Did they get it....

OR NOT

???

Inadequate passive immune transfer in puppies: definition, risk factors and prevention in a large multi-breed kennel

H. Mila^{a,b,c}, A. Feugier^c, A. Grellet^c, J. Anne^a, M. Gonnier^a, M. Martin^a,
L. Rossig^a, S. Chastant-Maillard^{a,b,*}

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18.1 DID NOT

4.9%

44.4%

WHAT
NOW
Q

Interest of early energy supplementation in puppies to control the risk of neonatal mortality

Le Gal, A.^a, Mila, H.^a, Grellet, A.^{a,b}, Chastant-Maillard, S.^a

^a Reproduction, Toulouse National Veterinary School, UMR INRA/ENVT 1225 IHAP, Université de Toulouse, INP-ENVT, Toulouse, France; ^bRoyal Canin, Aimargues, France

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MALTODEXTRIN
EVERY 6H, FROM 12 to 48H

↗ growth rate, ↘ puppies at risk

Effect of oral hyper-immune plasma administration on intestinal microbiota and growth in puppies

Mila H^a, Guard BC^b, Mariani C^c, Feugier A^c, Grellet A^{a,b}, Steiner JM^b, Suchodolski J^b, Chastant-Maillard S^a

^aReproduction, Toulouse National Veterinary School, UMR INRA/ENVT 1225 IHAP, Université de Toulouse, INP-ENVT, Toulouse, France; ^b Gastrointestinal Laboratory, Texas A&M University, USA; ^c Royal Canin, France

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IMMUNOGLOBULIN

HYPER-IMMUNE PLASMA

VS

↗ growth rate, ↗ microbiome diversity

Effect of the hyper-immune egg yolk supplementation on weight gain in neonate puppies

Mila H^a, Oliver C^a, Feugier A^b, Mariani C^b, Grellet A^{a,b}, Chastant-Maillard S^a

^aReproduction, Toulouse National Veterinary School, UMR INRA/ENVT 1225 IHAP, Université de Toulouse, INP-ENVT, Toulouse, France; ^bRoyal Canin, Aimargues, France.

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IMMUNOGLOBULI

HYPER-IMMUNE EGG YOLK

↗ growth rate

Early

SUPPLEMENTAT

of

AT-

puppies

DICU*

Key Element

about lactation

Parturition



Lactation =

FREE-

FEEDING



ACUTE **MASTITIS**



GANGRENO **MASTITIS**

WHY

WE

WHEN

DO

WE

?

A light-colored dog, possibly a Weimaraner, is lying down on a white surface. Its head is partially visible behind the large, bold, pinkish-red word "NURSIN". The dog's eyes are partially visible, and its front paws are extended forward.

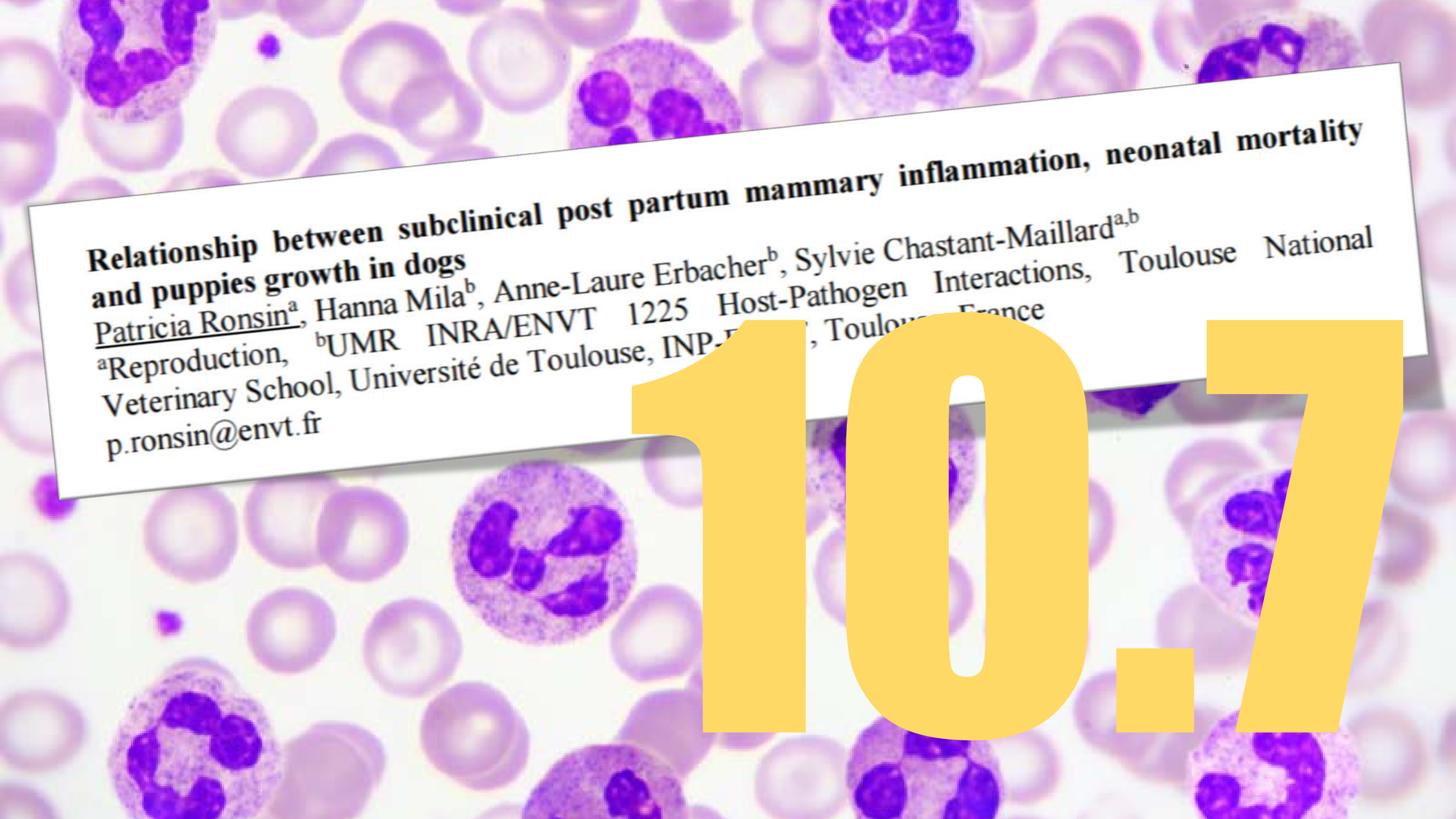
NURSIN

or not ?

A close-up photograph of a cow's udder, showing the teats and surrounding skin. A large, dark, irregular stain is visible on the skin, suggesting a lesion or infection. The image is used as a background for a text overlay.

SUB- **MASTITIS**

22

The background of the slide is a microscopic image of blood cells, specifically showing numerous red blood cells (erythrocytes) and several white blood cells (leukocytes) with prominent, dark purple nuclei. The cells are distributed across the entire frame, creating a textured, biological background.

Relationship between subclinical post partum mammary inflammation, neonatal mortality and puppies growth in dogs

Patricia Ronsin^a, Hanna Mila^b, Anne-Laure Erbacher^b, Sylvie Chastant-Maillard^{a,b}
^aReproduction, ^bUMR INRA/ENVT 1225 Host-Pathogen Interactions, Toulouse National
Veterinary School, Université de Toulouse, INP-ETP, Toulouse, France
p.ronsin@envt.fr

10.7

CHEC

daily





Thank you for your attention !



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