



ROYAL CANIN®

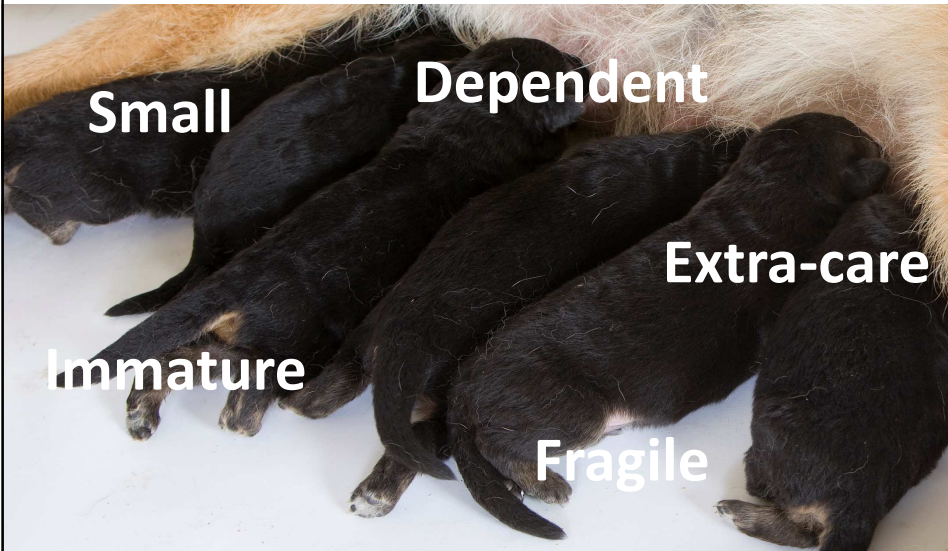
The neonatal period:
also a challenge in working dog
breeding centers

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MARS
petcare
A better world for pets.

Neonatology & working dogs?

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Small

Dependent

Extra-care

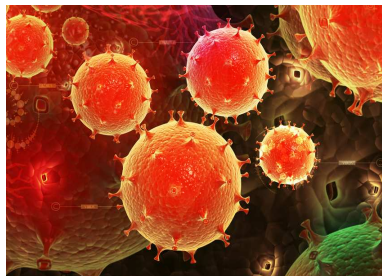
Immature

Fragile

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Neonatology & working dogs?

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Parturition & neonatal health

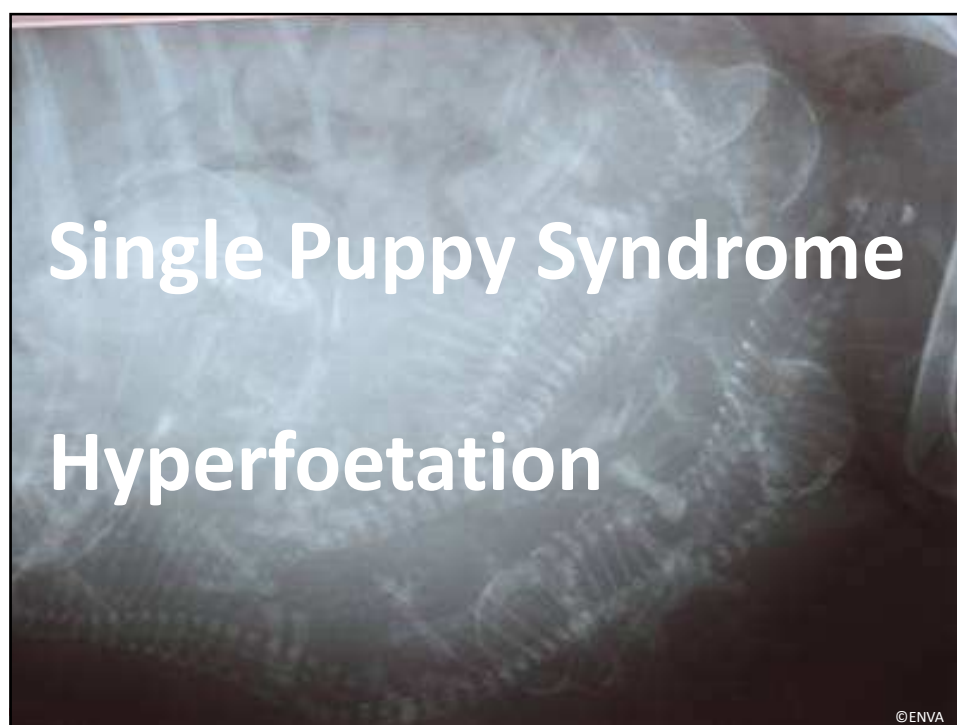
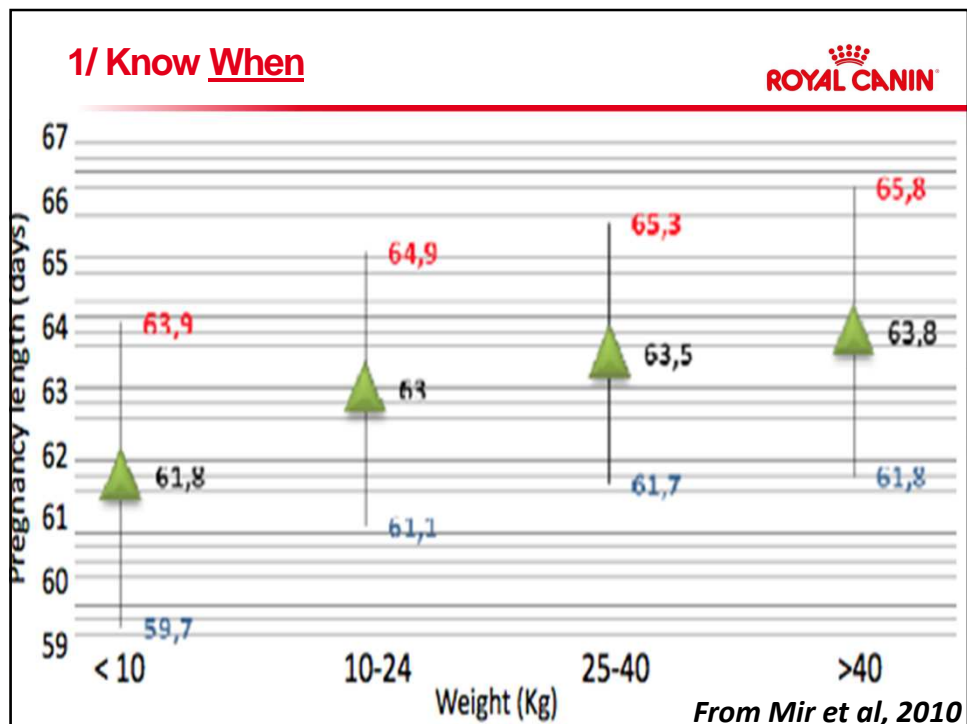
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Dystocia

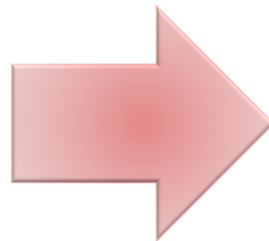
- 13.7% canine deliveries
- 37.4% neonatal mortality rate

From Fontaine et al, 2007

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3/ Know what to do



Elective
C-section

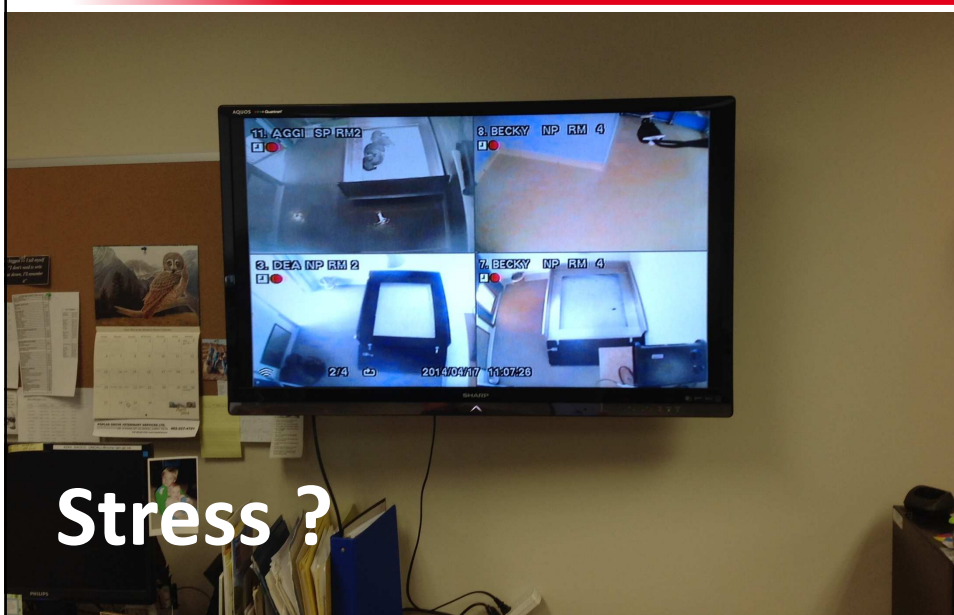


50 C-sections, 15 different breeds
229 puppies...
0% neonatal mortality after
surgery


Levy et al, 2007

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3/ Know what to do




Neonatal resuscitation / evaluation



[Theriogenology](#), 2009 Aug;72(3):401-7. doi: 10.1016/j.theriogenology.2009.03.010. Epub 2009 May 23.


An Apgar scoring system for routine assessment of newborn puppy viability and short-term survival prognosis.

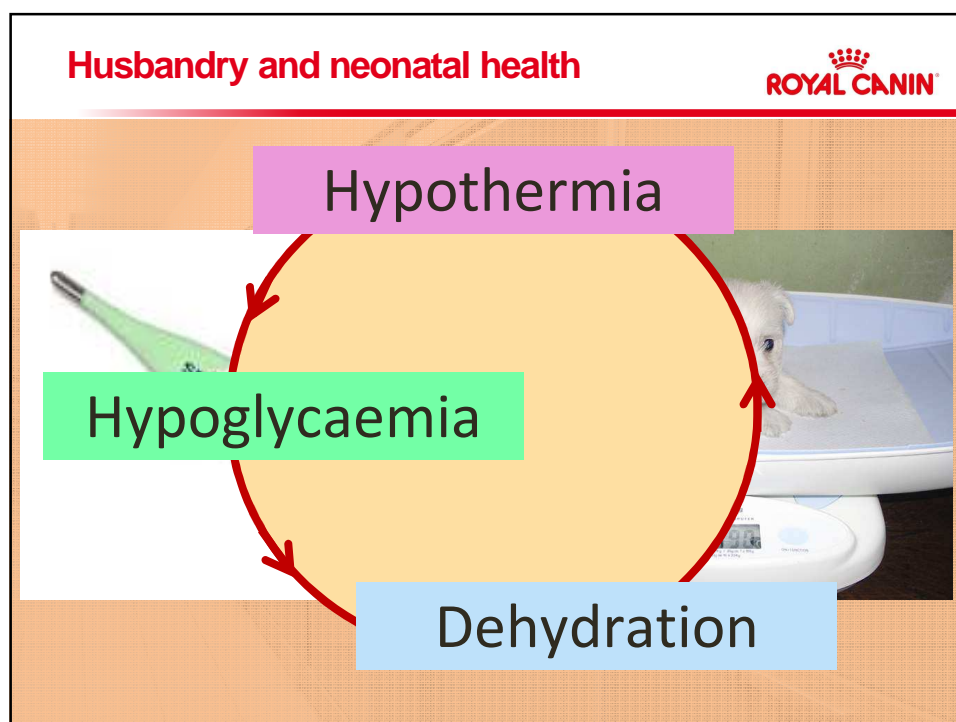
Veronesi MC¹, Panzani S, Faustini M, Rota A.



$\leq 6 \rightarrow$ Medical assistance

Virginia APGAR (1909-1974)

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1/ What's with Hypothermia?



Unable to regulate
its internal temperature

First week of life: 35-36°C

< 34°C No more digestion...

< 32°C Loss of suckling reflex...



www.nouveauxobjets.com

© Internet

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1/ What's with Hypothermia?



1st week: 30°C

2nd week: 28 °C

3rd week: 25 °C



© ENVA

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**2/ What's with
Dehydration / Hypoglycaemia?**

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Before birth...



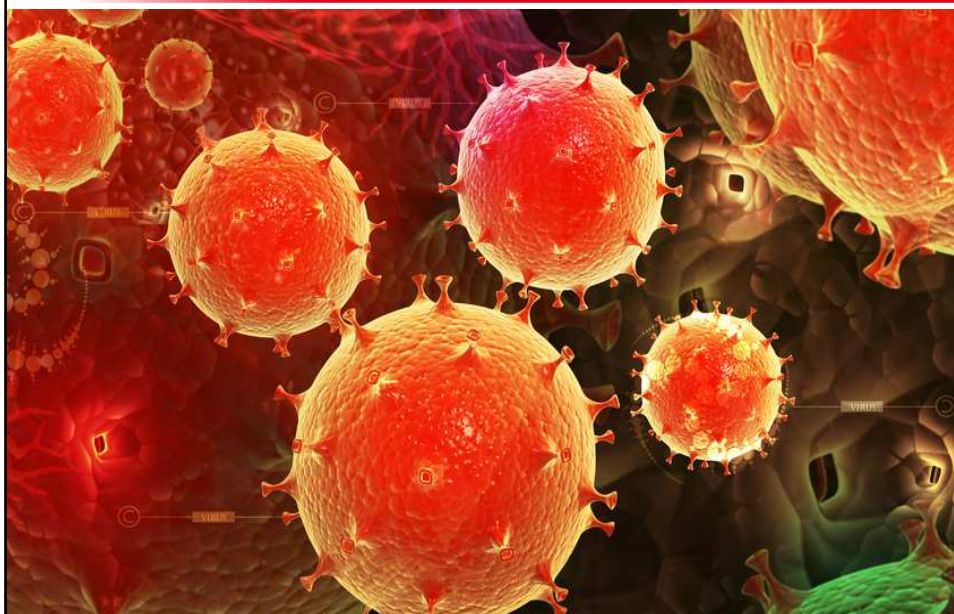
After birth...

**2/ What's with
Dehydration / Hypoglycaemia?**

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Infectious diseases and neonatal health



From a clinical standpoint...



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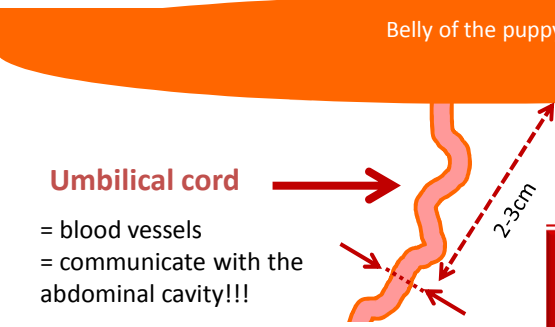

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1/ Care of the umbilical cord



Umbilical cord


= blood vessels
= communicate with the abdominal cavity!!!

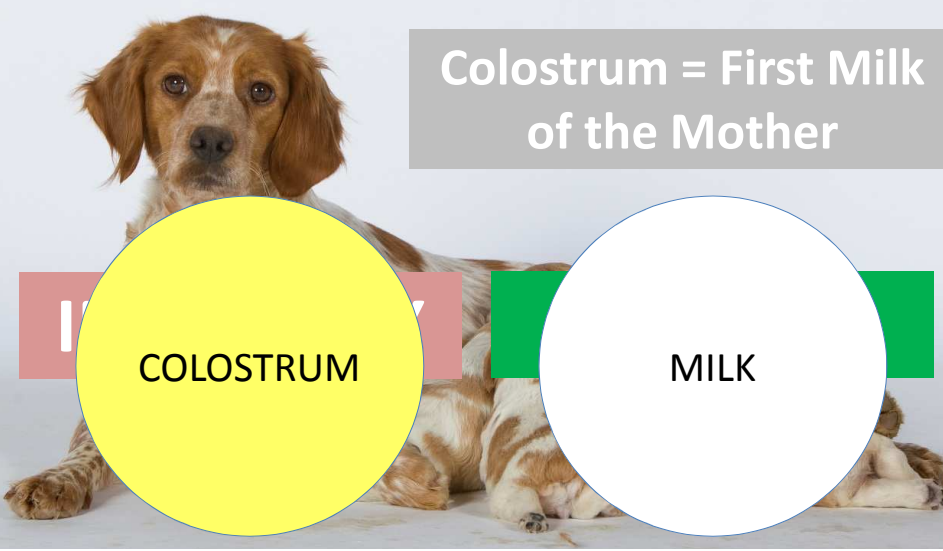



3/ Disinfect its terminal end with an antiseptic solution!!!


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2/ Colostrum intake

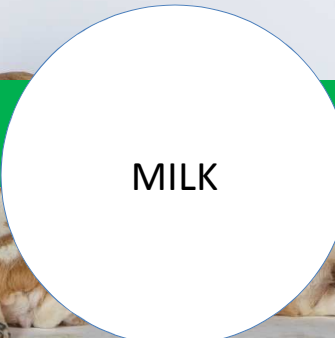




Colostrum = First Milk of the Mother



COLOSTRUM

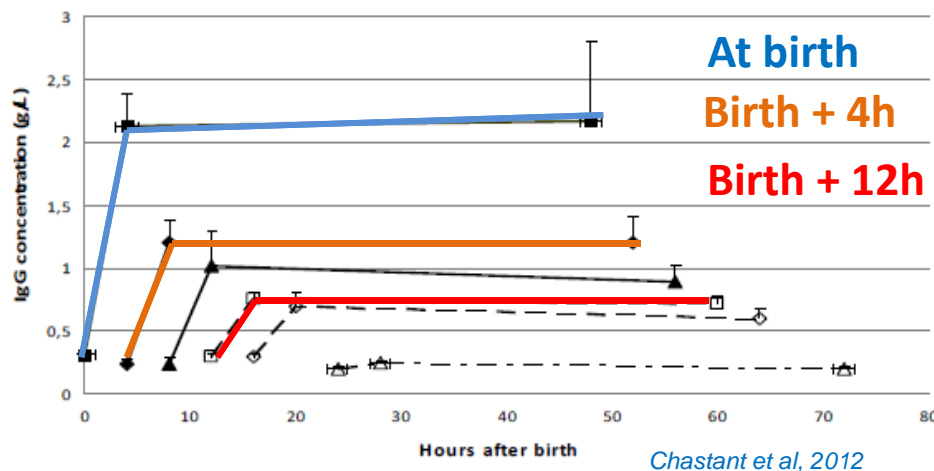


MILK

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2/ Colostrum intake

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ALTERNATIVES ?

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3/ Mammary glands

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4/ Sanitation

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It's all about cleaning and disinfecting !



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Conclusion

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BE PREPARED!!!

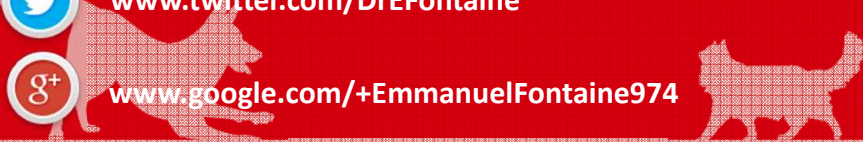


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 **ROYAL CANIN**

Thank you for your attention !

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