

A healthy herd is the key to strong results  
Confessions of a swine vet..



Klaus Pedersen, Hyovet



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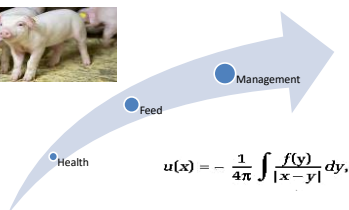
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Creating a quality sales-product  
1'st confession



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It all starts with..  
Healthy animals

- ▶ Health declaration (SPF)
- ▶ Stability and control
  - ▶ Full- power vaccination
  - ▶ Medication prevention

01 summarized overview

examination	sample quantity	positive	negative	suspect	status
PRRSV-PCR	5	4	1	0	finished

Explanation of PCR results if there are ct-values: value < ct 27 stand for high antigen load, <= ct 30 medium, > ct 30 low antigen load in the sample

02 PRRSV-PCR

sample no.	sample ID	result	ct-value	typing result
1000431716	slg 01	positive	37	EU-type
1000431717	slg 02	positive	28	EU-type
1000431718	slg 1	positive	32	EU-type
1000431719	slg 2	positive	26	EU-type
1000431720	slg 3	negative	-	-

ct values <= 32 can't be determined for risk in the EU-PCR.



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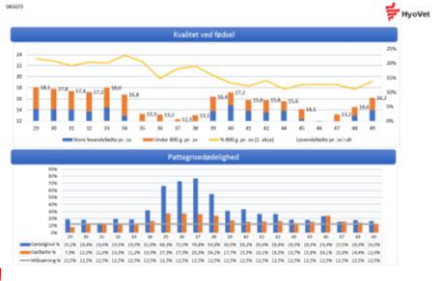
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### Protect your animals from reinfections - Short term effect of reinfections



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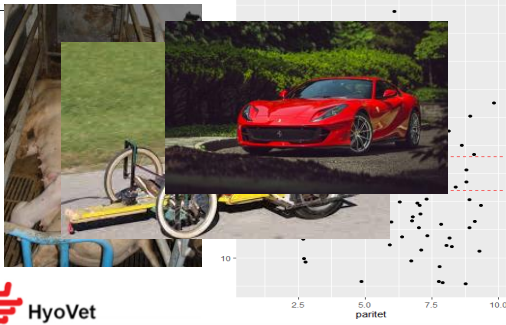
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### Long term effects of reinfections



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### It all starts with.. Healthy animals

► The overall construction of farms



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### It all starts with.. Healthy animals

► The overall construction of farms



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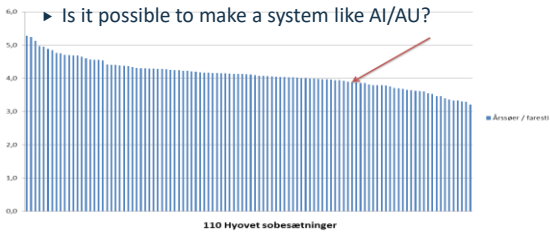
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### It all starts with.. Healthy animals

► Is it possible to make a system like AI/AU?



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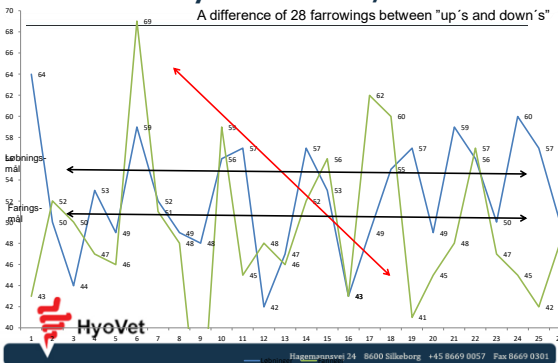
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### Variation by the week. AI/AU

A difference of 28 farrowings between "up's and down's"



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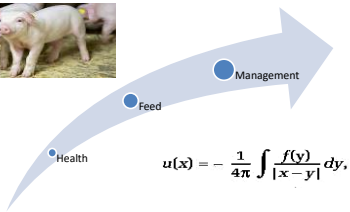
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**When health is 100%,  
Standardized-feed is next  
2'nd confession**



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**Basis for preweaning mortality**  
*Feeding the sow*



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**Colostrum**  
*Feeding the sow*

Table 1 Contents of fat, protein, lactose, dry matter and energy in colostrum (early, mid and late), transient milk and mature milk

Time postpartum	Colostrum			Transient milk		Mature milk	s.e.m.
	Early 0 h	mid 12 h	late 24 h	36 h	72 h	17 day	
Chemical composition (g/100 g) <sup>1</sup>							
Fat	5.1 <sup>a</sup>	8.3 <sup>b</sup>	6.9 <sup>bc</sup>	9.1 <sup>bc</sup>	9.0 <sup>bc</sup>	8.2 <sup>b</sup>	0.5
Protein	17.7 <sup>a</sup>	12.2 <sup>b</sup>	8.6 <sup>c</sup>	7.2 <sup>cd</sup>	6.1 <sup>d</sup>	4.7 <sup>e</sup>	0.5
Lactose	3.5 <sup>a</sup>	4.0 <sup>b</sup>	4.4 <sup>bc</sup>	4.6 <sup>bc</sup>	4.8 <sup>bc</sup>	5.1 <sup>a</sup>	0.1
Dry matter	27.3 <sup>a</sup>	22.6 <sup>b</sup>	20.6 <sup>b</sup>	21.4 <sup>b</sup>	21.2 <sup>b</sup>	18.5 <sup>c</sup>	0.6
Energy (kJ/100 g) <sup>2</sup>	260 <sup>a</sup>	276 <sup>b</sup>	346 <sup>c</sup>	435 <sup>cd</sup>	468 <sup>d</sup>	409 <sup>d</sup>	21

<sup>1</sup>Values in rows without a common superscript differ ( $P < 0.05$ ; Krogh U, Bruun TS, Amdi C, Flummer C, Poulsen J and Thell PC, unpublished).  
<sup>2</sup>Calculated energy deriving from lactose and fat (energy in protein not included as protein serve other functions than energy supply for neonatal piglets).



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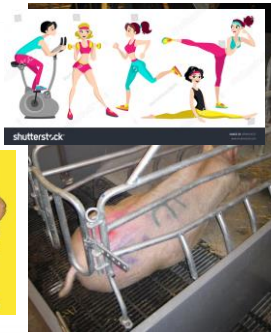
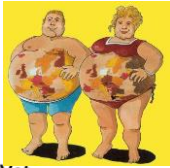
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## Colostrumyield & piglet-vitality

Feeding the sow

- ▶ Gestating sows in gestation unit
- ▶ Gestation sows eat gestation diet



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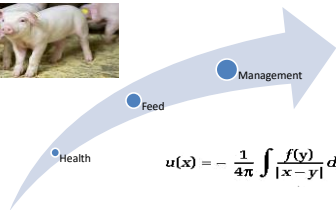
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Health is 100%, Feed is standard.  
Management can drive you to "superliga"  
3'nd confession



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### Management

Colostrum management in farrowing unit  
- incl. Nightwatch at 9 pm



Marking pigs for nursery-sows

We use:

- ▶ **Farrowing until 9 pm**
  - ▶ Pigs moved for nursery-sows 7-9 AM
- ▶ **Forrowing in night-time**
  - ▶ Nursery-sows in the afternoon
- ▶ Safe protocol to ensure equal colostrum-uptake within litter
- ▶ As fast as possible in high proliferative sow-herds



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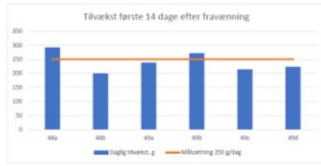
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## Main target Management

HyoTrack klima



Årstal	Modul	Vægt dag 0	Daglig tilvækst g 14 dage	Daglig tilvækst g 28 dage	Bemærkninger
2018	40b	9,2	200	-	SCA, Stage 2-3
2018	40c	9,9	200	-	SCA, Stage 2-3
2018	40d	7,9	230	-	DLG, Primærbænk bade
2018	40e	8,8	272	-	DLG, Primærbænk bade
2018	40f	8,5	214	-	SCA, Stage 3
2018	40g	8,1	224	-	SCA, Stage 3

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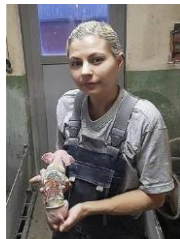


Årstal	Modul	Vægt dag 0	Daglig tilvækst g 14 dage	Daglig tilvækst g 28 dage	Bemærkninger
2018	30a	8,3	98	271	
2018	30b	8,8	117	221	
2018	40a	9,3	148	200	
2018	40b	8,8	138	207	
2018	40c	9,8	134	200	
2018	40d	8,8	142	228	
2018	40e	8,4	102	144	
2018	40f	8,5	71	182	
2018	40g	8,8	128	200	
2018	50a	8,8	118	247	
2018	50b	8,7	273	313	
2018	50c	8,5	118		

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## The challenge in sick herds Management



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## The solution is straight-forward..

*Management*

- ▶ The 10 golden rules
- ▶ McRebel



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