





The Orphan Foal: what now?

- Absolute priority: nutrition (colostrum and artificial milk)
- · Colostrum if neonate (preferably first)
- Difficult birth, do not ignore the foal!
- Check for absorption of IgG (after 24h)
- · A nurse mare?! (the next days)



Hand raise the foal or nurse mare?

- · Financial considerations
- · Social environment for the foal
- · Responsibilities over mare and foal
- · Adoption mare available??



Normal nursing



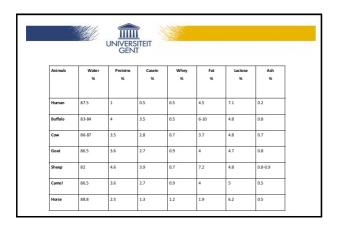
- \circ 5–7 times/hour = every 12min?
- \circ 10-15 % bodyweight over first 24 hrs
- o 20-28% bodyweight/day in first week
- o 15-19% bodyweight/day by 4-6 weeks
- o 150 kcal/kg/day

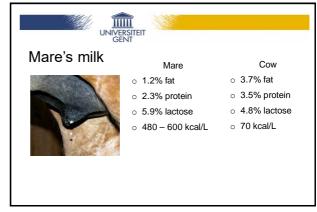


Colostrum



- $_{\odot}\,$ Limited endogenous energy reserves
- o Colostrum first source of nutrition
- o High protein and fat
- o 1350 kcal/kg
- o 2–3 L

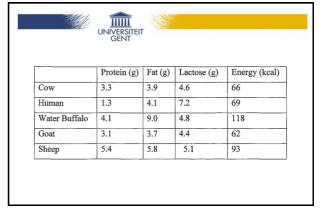






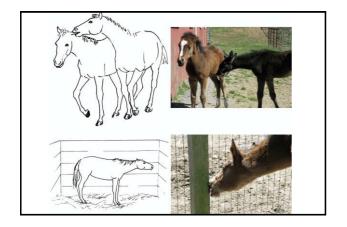






Weight of the foal KWPN			
	(de Vries 2005		
Age (months)	Weight (kg)		
0	57		
1	101		
3	178		
6	260		
12	395		
18	494		
24	519		
27	534		

Feeding schedul	e of orphan foal by v	an der Berg & Bouw	man 1995	
Age	# meals/day	Interval between meals (hours)	Consumption/day (liters of milk)	
Days 1-4	12	2	4-6	3€,
Days 5-10	8	3	8 - 10	5€
Days 11-14	6	4	10-12	6€
Week 3	5	4 *	12-15	7€
Week 4-10	3-4	4-5*	± 15	7€
Week 11-12	2	6-8	7-8	4€
Week >12	1		3-4	3€.



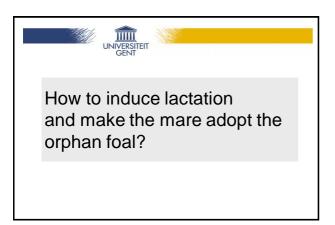


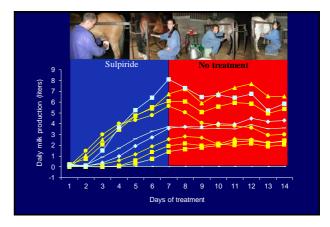


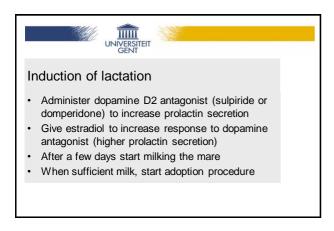












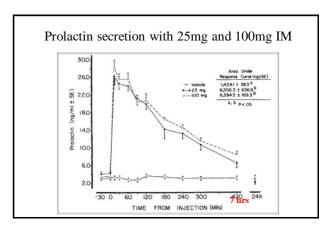


Sulpiride = Dogmatil® Sanofi

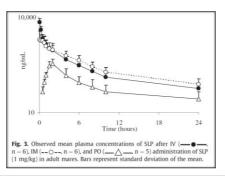


- First day, give PGF-2 α to induce estrus and increase oestrogen secretion
- Sulpiride 300-400 mg IM BID morning & evening during 7-10 days
- Dogmatil® 3-4 ampules 100 mg/2ml cost 3,60 €/day
- Do not attempt in winter anestrus mares!!
- Do not attempt in nulliparous mares!!





Prolactin secretion with oral and IM/IV



Oral dose = 3x IM dose

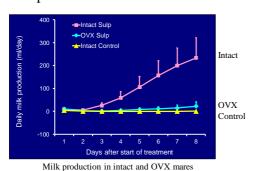
Domperidone = Equidone Paste

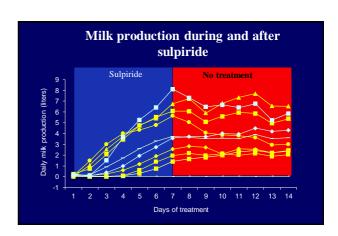


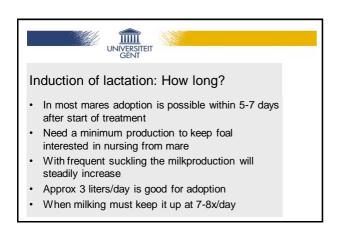
- First day, give 50mg estradiol benzoate or give 10mg estradiol 17 β daily for 5 days
- Domperidone 1,1mg/kg PO morning (& evening) during 7-10 days
- · Equidone Gel
- Do not attempt in winter anestrus mares!!
- Do not attempt in nulliparous mares!!

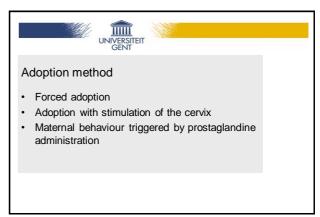


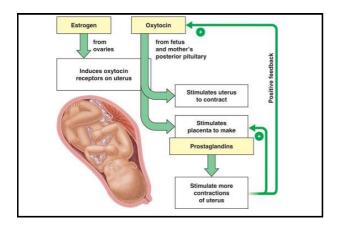
Milk production in anestrous mares

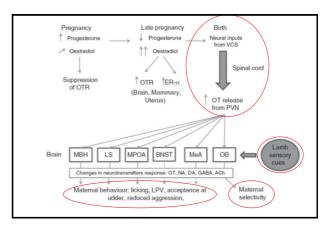


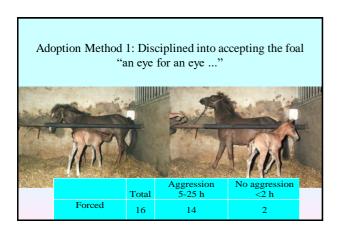


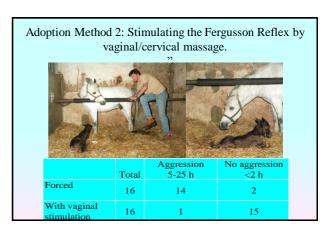


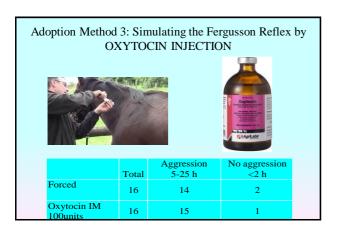














The New Adoption Method

- 1. Give the mare 3-4 ml of Estrumate
- Wait 15-20 min until side-effects are obvious (sweating, cramping)
- 3. Bring foal to the mare
- 4. Place foal in front and side of mare
- 5. Let the mare smell and lick the foal
- 6. Encourage the foal to nurse
- 7. Adoption is success when mare follows/guards the foal

Preparation before adoption

- not stricktly necessary -
- Place the mare and foal in adhacent stalls so that they can see and smell each other
- After several days allow the foal to nurse from the mare under very strict restraint (oxytocin, nosetwitch)
- Stimulate bonding between foal and mare by seperating them for short periods

Normal Adoption



Foal that is afraid of the mare











