

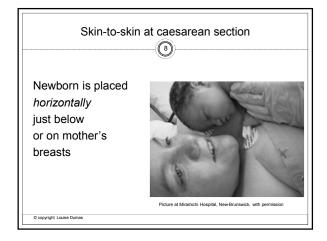
Links between kangaroo care and skin-to-skin care 5 Plenty of evidence; was so clear for premature babies, it was thought that there should be some benefits for term babies also First, introduction in industrialized countries in order to * facilitate mother's first attachment experiences * encourage first close contacts between parents * facilitate initiation of breastfeeding But a lot more was found!!!.... © copyright Louise Dumas

What is safe skin-to-skin		
Nude newborn's abdomen <i>directly</i> on mother's nude chest, without drying		
• Skin-to-skin is immediate (directly from the mother)		
Newborn is completely nude (no diaper,)		
Baby is extended as much as possible, so as much skin contact as possible (oxytocin)		
Baby is dried, especially back and head		
• Newborn is <i>then</i> covered with a dry blanket		
DUMAS. 2014: WIDSTRÖM ET AL. (2011)		
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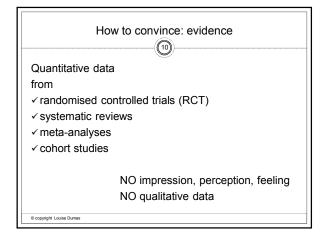
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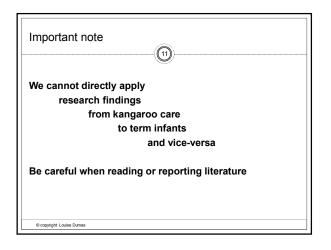


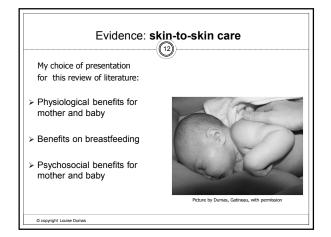


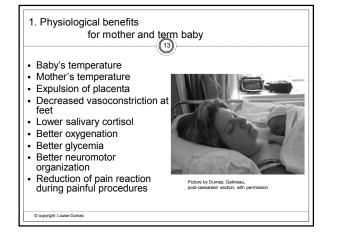


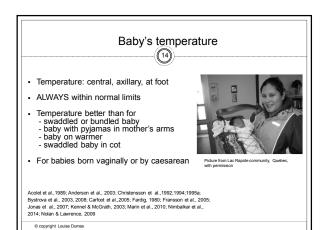


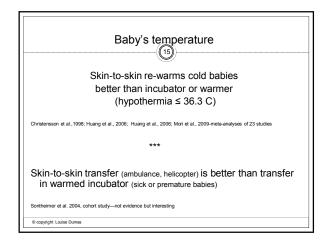


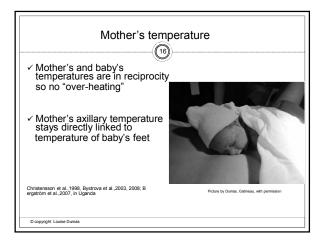


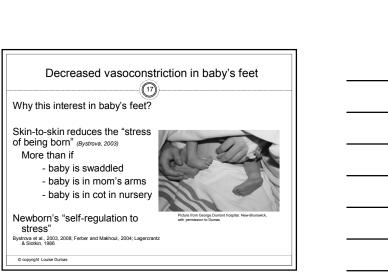




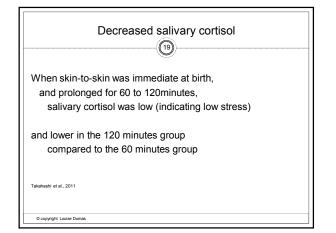






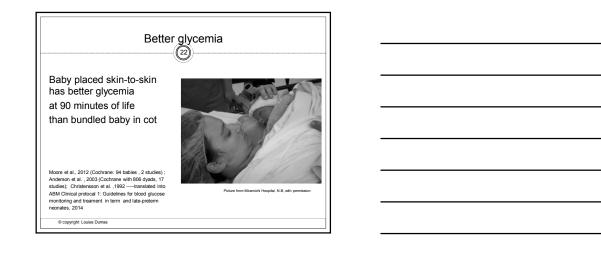


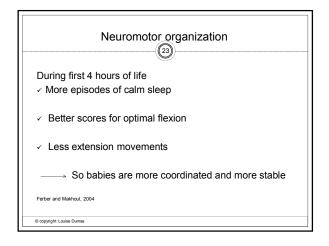
Expulsion of placenta	
Skin-to-skin decreases time for placental expulsion	
so less bleedingso less maternal anemia	
Marin et al., 2010, 274 women	
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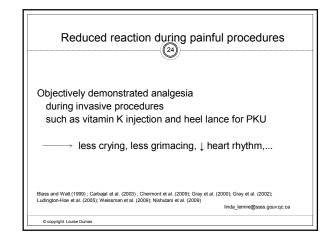


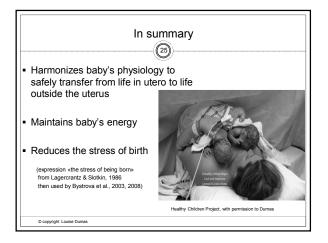


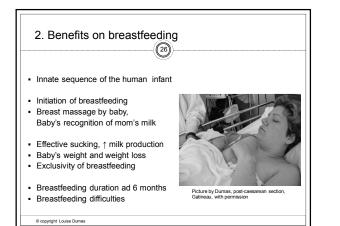
	Better heart rate
When skin-to-ski	n is immediate,
heart rate is stabl	e
Even faster than	
if skin-to-sk	in is not immediate
but around	30 minutes later (argument for caesarean)
Christensson, 1992; Takahashi et al.,	2011











Innate sequence of the human	infant
(27)	

Widström and colleagues (1993, 8 minutes video and 2011, article): Baby wakes up slowly, creeps towards breast, turns head towards mom's voice and breast, salivates when smelling nipple, licks nipple then attaches spontaneously

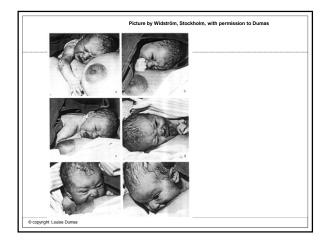
innate sequence of the human infant

> This predictable behavior starts around 10 minutes of life when baby is placed in uninterrupted skin-to-skin with mother

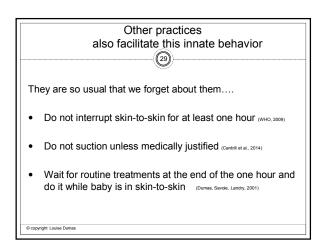
Observational studies: Widström et al. 1995, 2011 and videos 1993, 2010, 2011; Matthiesen et al., 2001

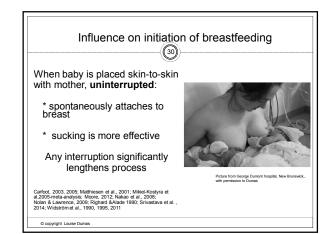
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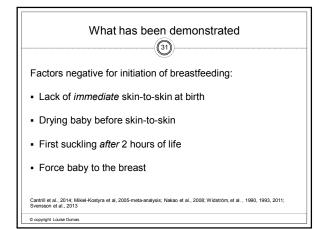
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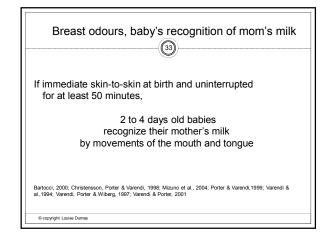


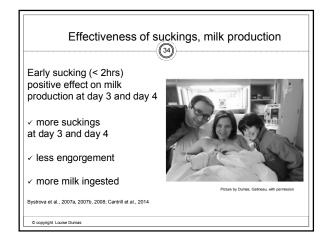


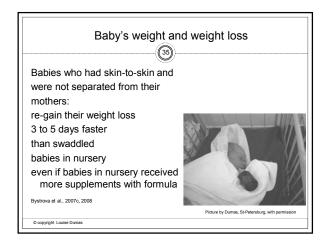


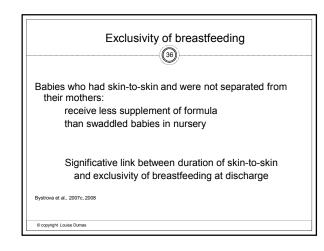


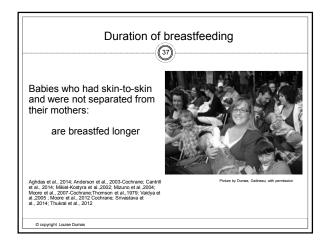


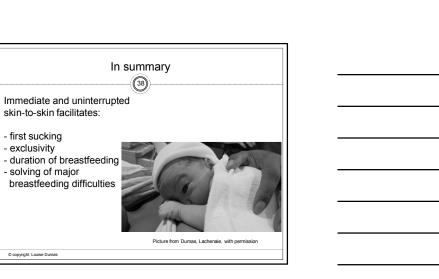


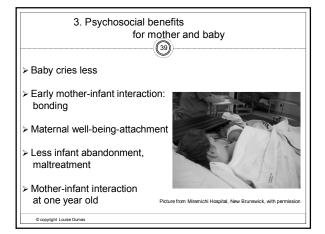


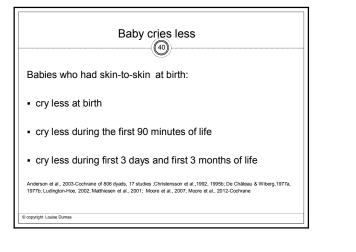












Early mother-infant interaction: bonding

Mother:

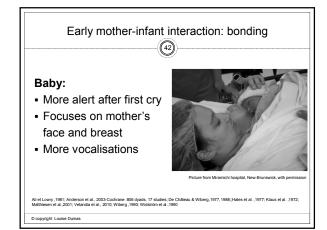
More visual contacts, more touching; *en face* position

More verbal communications

Keep her baby with her longer, tends to follows whoever
takes her baby away from her

More affectionate during suckings; keeps baby closer to her
Less postnatal depression

Al & Lowy, 1981; Anderson et al., 2003: Cochrane: Bigdow et al., 2012; De Château & Weberg, 1977; 1988; Fedman et al., 2010;
Princip et al., 2002: Heise et al., 1977; Naue et al., 2012; Mattheem et al., 2010; More et al., 2012: Cochrane; Veterida et al., 2010;
Princip et al., 2012; Mattheem et al., 2013; More et al., 2012; Mattheem et al., 2011; More et al., 2012; Mattheem et al., 2010; More et al.,



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Early mother-infant interaction: bonding

Dumas and colleagues, RCT, 151 dyads videotaped at day 4 during breastfeeding session:

Mothers are *significatively* softer and more patient - if had 2 hours uninterrupted skin-to-skin care at birth



- if non separated from birth

Dumas et al., 2013

Dumas et al., 2013

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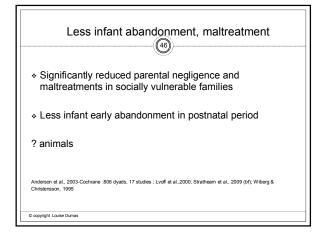
Maternal well-being-attachment

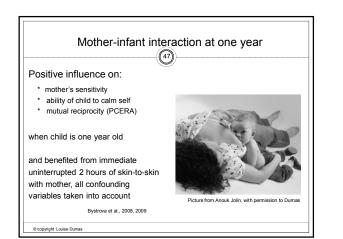
Skin-to-skin:

- Less maternal stress: reduce gastrin blood level
 Better maternal well-being: increased oxytocin
- Detter maternal weil-being. Int
- Early breastfeeding:
- Significant less depressive symptoms
- Increased mother's socialization
 Better maternal well-being: bf doubles plasma endorphins
- If mom's well-being is repeated frequently \rightarrow attachment by repeated activation of opioids and oxytocin

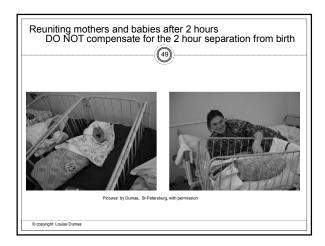
Ali et Lown;1981; Anderson et al., 2003-Cochrane: 806 dyads, 17 studies ; Bystrova et al., 2007b, 2008 ; Carfoot et al., 2005 De Château et Wiberg, 1977a, 1977b ; Haise et al., 1977; Kennel et Klaus, 1998; Klaus et al., 1972; Klaus et Kennel, 1976; Moore et al., 2007-Ochrane: 4 studies, 314 dyads; Widstrom et al., 1990, 1995-2010; Winberg, 2005 And many <u>qualitative</u> studies on mother's satisfaction

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SO... "we should respect baby and mother instinctive behavioral and endocrine interaction sequence" (Widström, 1988 and 2011)

