

Social Development

Oct 8-20:09

Objectives

At the end of this session you should be able to:

- Describe several ways in which research can be carried out with neonates
- Describe the research of Klaus and Kennell
- Consider the effect of Klaus and Kennell on birthing practices

Some of you will be able to
Evaluate Klaus and Kennell

Oct 8-20:10

Research with neonates

What's this?

Oct 8-20:14

Carrying out research with tiny babies has specific problems.

What are the main problems?

How can they be overcome?

Oct 8-20:16

Caregiver/infant interaction

Research of Klaus & Kennell (1976)

Concept of critical period from ethological studies

Research had profound effect on birthing practices - but
- has it been replicated?

Sep 21 - 10:46

28 live births

Sep 21 - 10:54

28 live births

<p style="text-align: center;">normal</p>	<p style="text-align: center;">extended</p>
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Sep 21 - 10:54

28 live births

<p style="text-align: center;">normal</p> <p>at birth, taken from mother, routine cleaning, weighing etc. Returned to mother for half hour feeding sessions, contact of 4 hours over 3 days</p>	<p style="text-align: center;">extended</p>
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Sep 21 - 10:54

28 live births

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Sep 21 - 10:54

28 live births



Infants tested at home on a series of tests to measure development.

Included:

- attitude towards leaving infant with others
- responsiveness to crying
- eye to eye contact during feeding
- pre-occupation with each other

Sep 21 - 11:06

28 live births

<p style="text-align: center;">normal</p> <p>At 1 month Tendency towards less closer feeding</p>  <p style="font-size: small;">KSI4268 © Jupiter Images "Parenting: Babies & Toddlers" Disc www.comstock.com</p>	<p style="text-align: center;">extended</p> <p>At 1 month More involved, held closer during feeding</p>  <p style="font-size: small;">KS8262 © Jupiter Images www.comstock.com</p>
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Sep 21 - 10:54

28 live births

<p style="text-align: center;">normal</p> <p>At 1 month Tendency towards less closer feeding</p> <p>At 12 months (less developed than extended)</p>	<p style="text-align: center;">extended</p> <p>At 1 month More involved, held closer during feeding</p> <p>At 12 months Still more involved</p>
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Sep 21 - 10:54

28 live births

	normal	extended
At 1 month	Tendency towards less closer feeding	More involved, held closer during feeding
At 12 months (less developed than extended)		Still more involved Outperformed normal care infants in most traditional measures of development

Sep 21 - 10:54

28 live births

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At 1 month	Tendency towards less closer feeding	More involved, held closer during feeding
At 12 months (less developed than extended)		Still more involved Outperformed normal care infants in most traditional measures of development
At 24 months	less developed language skills	slightly more developed language skills

Sep 21 - 10:54

What might we conclude from these results?


Sep 21 - 11:59

What might we conclude from these results?

However, Klaus & Kennell were never able to repeat this experiment.
Any suggestion why?

Sep 21 - 11:59


Evaluation of Klaus & Kennell



Shaffer (1977) The background to the research is from ethology: If some animals like sheep and goats are separated from their offspring at birth for even a few hours, serious distortions in maternal behaviour result. On reunion, the mother will butt her infant away and refuse to care for it.

Sep 21 - 12:00

Evaluation of Klaus & Kennell



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The implication is that there is a sensitive period beyond which attachment will not take place. It is believed that at parturition there are hormonal changes which affect reaction to an infant.

Sep 21 - 12:00

File Drawer Problem - again!

Approximately 70 different measures were made at 1 month and 12 months.

The only items reported were those that were in favour of the theory. Many others were not different.

There were in fact more SIMILARITIES than DIFFERENCES between the normal and extended care groups.

Sep 21 - 12:26

Replicability

We have seen that Klaus & Kennell has not been replicated.

Sep 21 - 12:30

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Leifer found no significant differences between conditions

Sep 21 - 12:30

Sep 21 - 12:48