

UniversitätsKlinikum Heidelberg

Manfred Cierpka

Institut für Psychosomatische Kooperationsforschung und Familientherapie



Children are our diamonds

UB, July 28th, 2014





"Children are our diamonds" Canadians say. They devote their

attention to a high degree to the education of and the care for their children.

They are surely right because diamonds are the most precious gift our world has got. That's why children also in this country must be the focus of our interest.



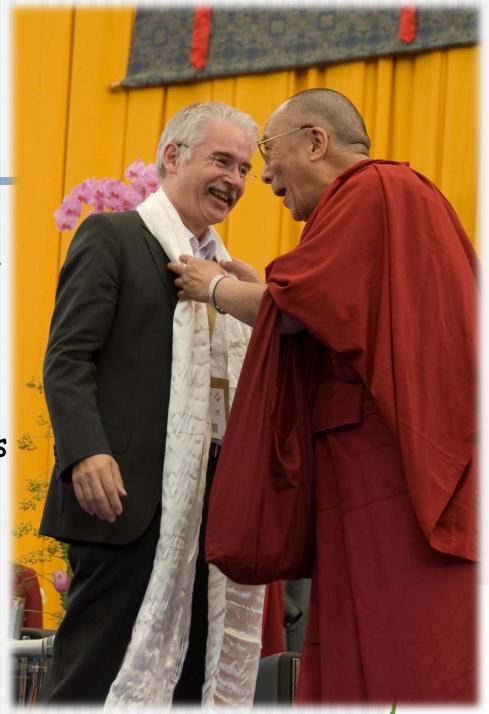
To prevent psychic disorders and to support psychic health interventions in early childhood are necessary!

Introduction in five lessons

The Dalai Lama

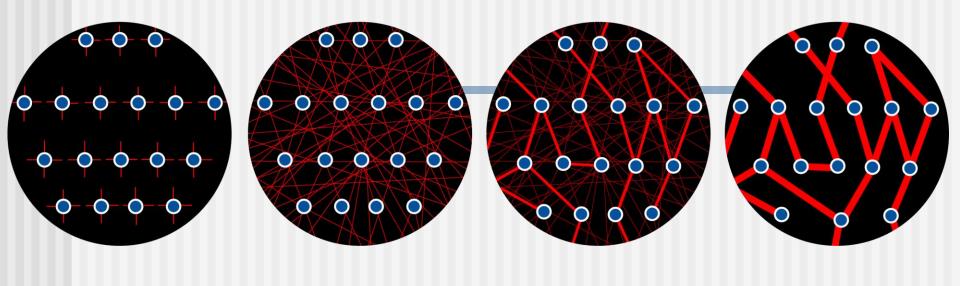
If parents love their baby, The Baby will love the parents.

If the Baby shows positive feelings towards the parents, He/she will develop positive Feelings to other human beings and the world!



Lesson One

Human development hinges on the interplay between nature and nurture.



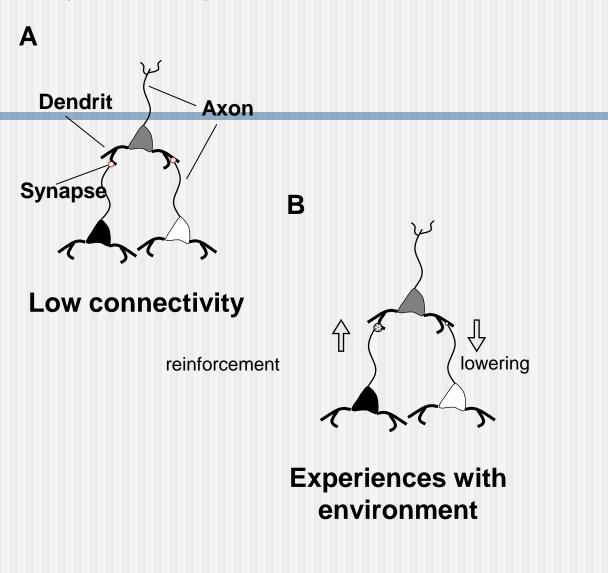
3. step

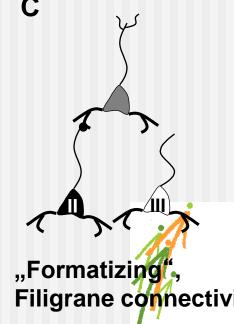
2. step

1. step

4. step

Early Learning and brain maturation





First years critical to child brain development

GANNETT NEWS SERVICE

Stimulation crucial to infant's brain development

Abusive or neglectful parenting may actually harm physical aspects of brain

Kids' needs greatest before age of 3 aby does something as its hands or listen to its bursts of electricity shoot **IT-RIDDER** Experiences provide necessary hookups Washington Post Talking, singing to baby is vital to WASHINGTON - A panel of light a growing body of research that points to the rapid period of brain development in children from birth Symposium, doctors said brain development, experts say a child's abilities. the "Zeto to Three" project of the national Center for Infants, Tod. dlets and Families, found that 73 "They are listening," she sair. From News Services percent said they did not believe a baby could communicate much tearning to speak a few The Clintons also pur cal twist on the day Thite House event to focus with the House event to Speech specialist Patricia Kuhl The symposium on child development dy. We should what we were go-

Studies value of

By GAYLE VASSAR MELVIN Knight-Ridder

cientists are confirming what good moms and dads have known instinctively all along: Raising smart, happy children takes time and attention, especially during the first three years.

While researchers believed for decades that babies were born with their brains already "wired" intellectually and emotionally, new studies show that isn't so. The connections, or synapses, between a newborn's brain cells grow twentyfold in the first months after birth, stimulated by the sights and sounds around them.

"Who our children become in the future has everything to do with the

The critical first

ge and

The Des Moines Register

t's nature

SCIENCE IS BEARING OUT WHAT CHILDHOOD EXPERTS HAVE ALWAYS SAID: THE FIRST YEARS OF LIFE ARE CRITICAL TO PROPER DEVELOPMENT

The symposium

Baby brain study and nurture 8

Lesson Two

Early care and nurturing have a decisive and longlasting impact on how people develop, their ability to learn, and their capacity to regulate emotions.

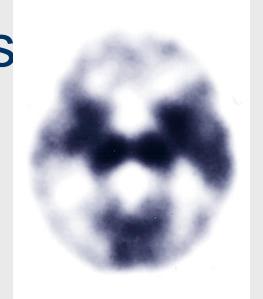
Lesson Three

The human brain has a remarkable capacity to change, but timing is crucial.

5 Days



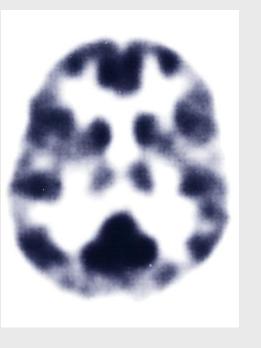
2 Months



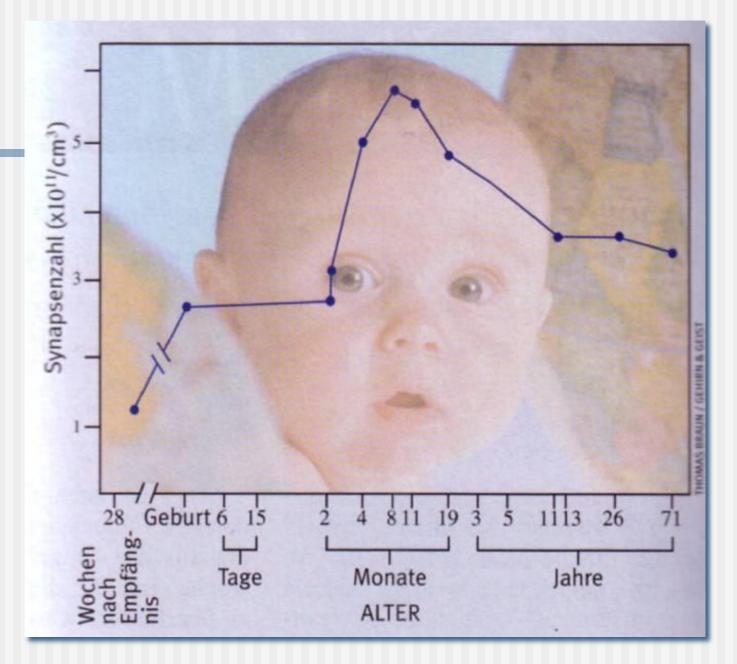
1 Year



28 Years



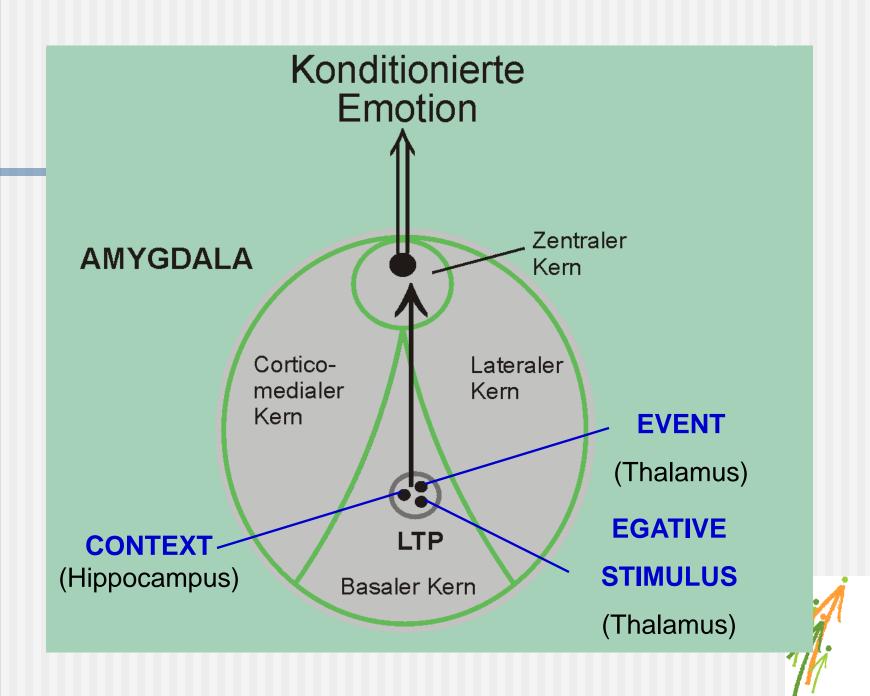
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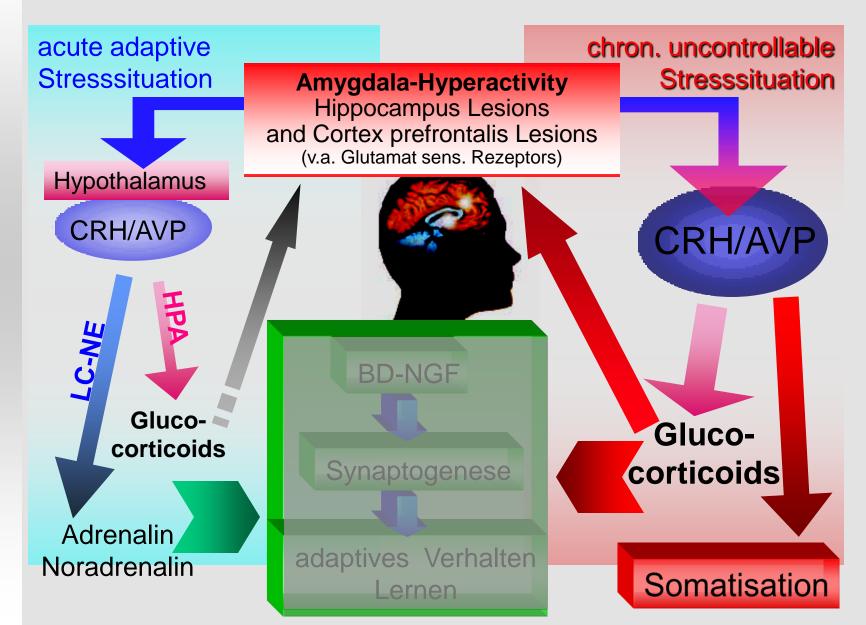
Lesson Four

The brain's plasticity also means that there are times when negative experiences or the absence of appropriate stimulation are more likely to have serious and sustained effects.



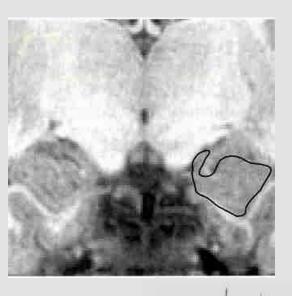
STRESS AND ALLOSTASIS)

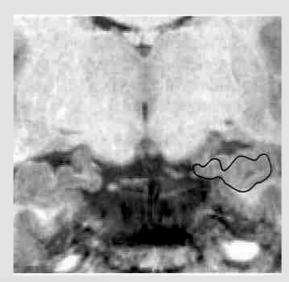
(Sapolsky 1996; Heim et al 2001; McEwen 2003; nach Egle 2005)



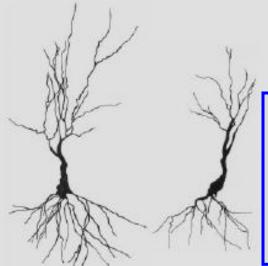
HIPPOCAMPUS-VOLUME CHANGES FOLLOWING STRESS

(Andreasen 2002, Vyas et al 2002)





pre



post

Shortened length of dendrits and minor branching >>Hippocampus dysfunctionality

Early adverse childhood experiences

Empirically proven long term consequences

- emotional neglect/unsecure attachment
- job bound tension of parents
- chronic familiar disharmony/violence
- often abused and beaten
- severe sexual abuse
- bad/instable financial situation
- parental divorce
 - mother physically handicapped
 - mother psychologically ill/drug problems
 - father physically handicapped
 - father psychologically ill/drug problems
 - death of a parent





Children subjected to violence, exploitation, abuse and neglect are at risk of:

- Shortened lives
- Poor physical and mental health
- Educational problems (including dropping out of school)
- · Poor parenting skills later in life
- Homelessness, vagrancy and displacement

Lesson Five

Research in neuroscience and child development points to the wisdom and efficacy of early intervention.

Implications for Families, Communities, and the Nations

Improve health and protection by providing preventive and primary health care coverage for expectant and new parents and their young children. Promote responsible parenthood by expanding proven approaches.

Intuitive competences

child

Self-regulation skills
postnatal adaptation
Calming down
Sleep-wake-state organization

Parents

mother's baby talk face presentation excitation control Understanding of body language intuitive educational skills



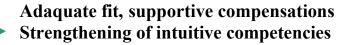






Positive Feedback between Parents and Child

nach M. Papousek



Positive affective mode of the parents:

self-assurance self-esteem relaxation joy accaeptance

Positive Feedback -signals of the child:

Gaze seeking joy relaxed vocalisation smoothing calming down



Positive affect in alert states Appropriate transition to sleep phases Hunger and saturation





The dialogue, the dance





Birds prepare a nest to care for the baby bird

Principles for Education

- Adequate caring (time, rules, discipline)
- A good enough relationship (warmth, fairness)
- and a secure attachment in early childhood (sensitivity, promptness and appropriateness of the response)

Serve as a model for the kids!

Which kind of prevention do we talk about?

Primary prevention

Secondary prevention

Basic, broad and effective

Levels of preventive interventions

- child
- parents
- familiy
- Ecological system
- kindergarten
- school



Prerequisites for effective prevention

- The earlier, the better
- Repetition of input
- Reach as many children as possible
- Reach also the children at risk
- Several levels (parent- and children centered)
- Evaluation



Understanding the Baby A program for couples becoming parents

- Preparation for transition to parenthood
- strengthening parental competences
- Developing secure atachment for the baby
- Helping to develop a positive and functional parentchild-interaction





- I am able to care for myself, too
- How can partners work together?
- The Baby is communicating via signals
- Why does my Baby cry?
- Trust on your own parental competences!





3. Zählen Sie langsam rückwärts: 27, 26, 25......

4. Denken Sie beruhigende Gedanken.

Welche Möglichkeiten haben Sie in Ihrem Alltag, mit Ihrer Wut umzugehen? (.....)

The Path From Risk Factor(s) Exposure to Long Term Negative Outcomes

Exposure to family, neighborhood, school and societal risk factors

Poverty, abuse, neglect, incompetent parenting drug and alcohol use by caregivers

Leads to
development of
maladaptive behavioral
manifestations

defiance of adults, lack of school readiness, coercive interactive styles, aggression toward peers, lack of problem solving skills



To negative, destructive long termoutcomes

school failure and dropout, delinquency drug and alcohol use, gang membership, violent acts, adult criminality, lifelong dependence on welfare system, higher death and injury rate truancy, peer and teacher rejection, low academic achievement school discipline referrals, large number of different schools attended





Early Intervention Project
"Nobody Slips Through the Cracks"









Saarland

Ministerium für Justiz, Arbeit, Gesundheit und Soziales

Saarlan<u>d</u>

Ministerium für Bildung, Familie, Frauen und Kultur

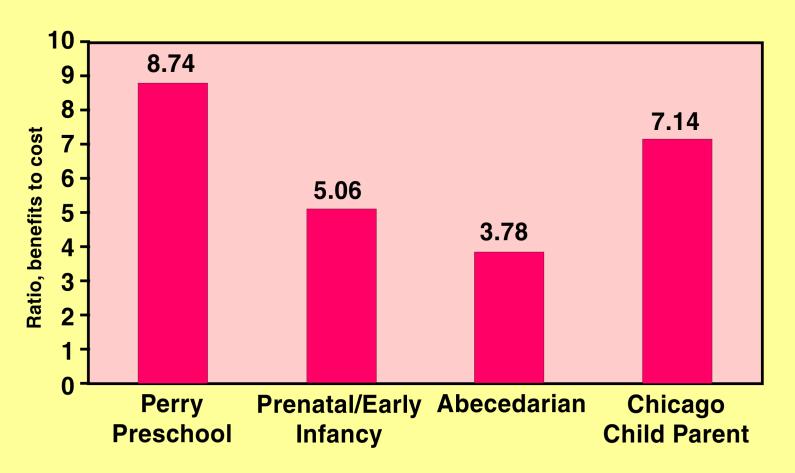


Aims

Our project wants to:

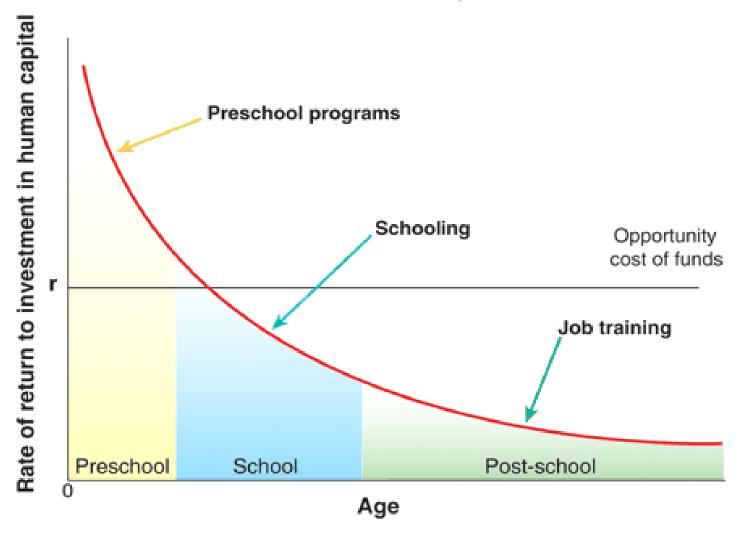
- support all families during the period of getting parents
- reach those families that are highly burdened and at high risk
- → Those families who are at high risk mostly don't participate in parenting courses or groups.

Figure A: Benefit-cost Ratio for ECD Programs



Source: Barnett (1993), Karoly et al. (1998), Masse and Barnett (2002), Reynolds et al. (2002).

Rates of return to human capital investment



Heckman, J. (2006). Skill formation and the economics of investing indisadvantaged children. Science 312(5782), pp. 1900-1902.



Thank you for your attention!



www.cierpka.de