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O ambiente de cuidados para promover a saúde mental materno infantil: a perspectiva da psicologia neonatal.

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SENADO FEDERAL, BRASILIA LISLE LUCENA DR. LAURISTA CORRÊA FILHO EMBAIXADA BRITÂNICA, BRASÍLIA

"One picture is worth a ten thousand words."

(Confucious in SJ Gould and R W Purcell, 2000)

How did I get here?





• Fundo

- Ambiente de Cuidado
- Surgimento da Psicologia da Saúde Neonatal
- Resumo de evidência baseado em pesquisas
- O Presente e o Futuro Infância e Paz



- 70,000 Premature births are born each year in Britain (Wellbeing 2009)
- 2,500 of those babies will weigh less than 1816g and will require long term intensive care in a SCBU.
- Short, medium and long-term sequelae



- A Public Health problem thus a *Public Health Psychology issue*
- Low social economic status (SES); low social economic position
- Teenagers
- Mortality decreased but morbidity increased



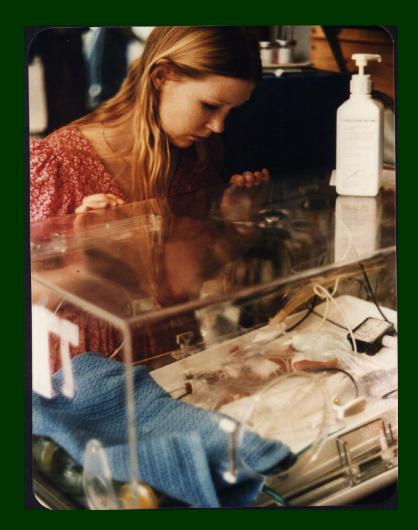
Rationale

 Perinatal brain plasticity increases vulnerability to early adverse experiences, leading to abnormal development and behaviour (Anand and Scalzo, 2000)

Ambiente de Cuidado

- Físico
- Bio-psico-social e comportamento
- O bebê
- Os pais e os profissionais
- Casa e família





Original questions: Could I support them?

How?

Too much? Too little? Inappropriate A controvérsia sobre os benefícios da estimulação sensorial com bebês hospitalisados, nos anos 1960s e 1970s



Theoretical background

• Assumption:

Individual Development can be *maintained*, *facilitated or induced* by horizontal and vertical coactions

G. Gottlieb, (1991) Experiential canalization of behavioral development: theory. *Dev. Psychol.*,27(1), 4-13

BIDIRECTIONAL INFLUENCES

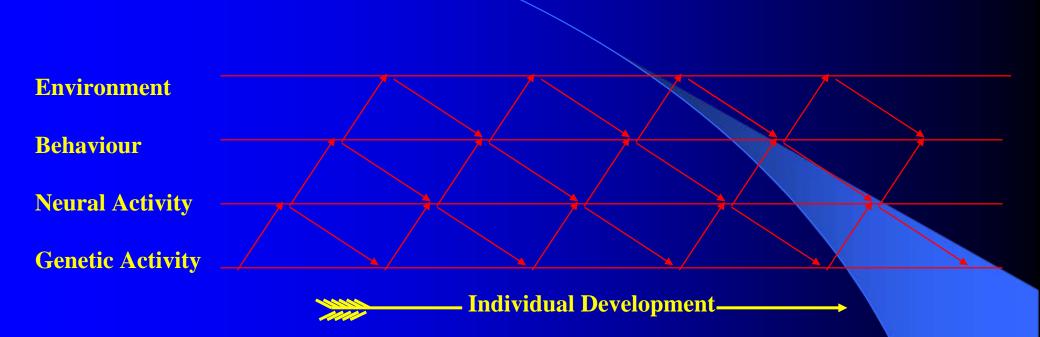


Figure 1. A simplified scheme of the developmental systems view, showing a hierarchy of four mutually interacting components in which there are " top-down" as well as "bottom-up" bidirectional influences.

Gottlieb,G (1991) Experiential Canalization of Behavioral Developmental Psychology, Vol. 27, 1, 4-13

Neonatal Health Psychology (NNHP)

Definition

" is the scientific study of biopsychosocial and behavioural processes in health, illness and health care of the preterm (and fullterm) neonate during his/her first 28 days of life, and the relationship of such processes with later outcome" (Adamson-Macedo, 2004)

The Dream Baby Prenatal and Perinatal Health Psychology My Scientific Passion: NNHP

- 4 Psychological Tasks (Caplan, Mason + Kaplan 1965)
- 1. Anticipatory grief
- 2. Acknowledgement of feeling of failure.
- 3. Believing that the infant will survive.
- 4. To understand the needs of the preterm.



The developmental sequence of the sensory systems

The sense of Touch, the most developed of the senses at birth

"MEANS" and not "END"

Como poderia apoiar os prematuros e sua familia? 1978 Through systematic light stroking

Stroking: passar a mão de leve numa direção apenas como uma carícia

Touching And Caressing, Tender In Caring (TAC-TIC)

Principles underlying the therapy

- * Gentleness/lightness
- * Equilibrium
- * Rhythm
- * Continuity



Desenvolvimento e Saúde Mental

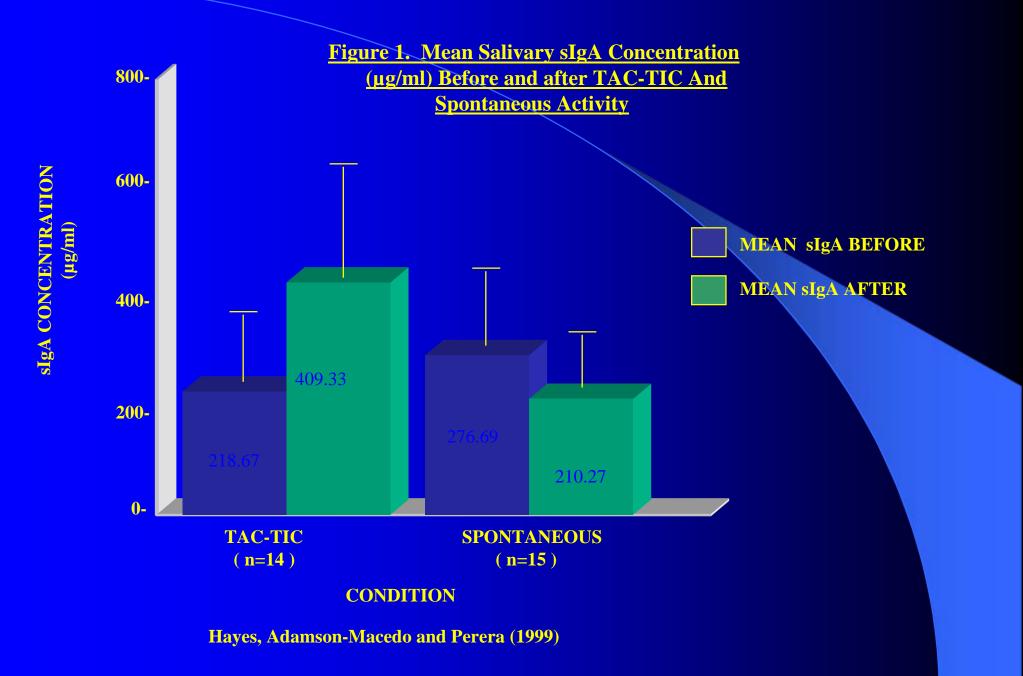
Exemplos selecionados de recémnascidos que receberam TAC-TIC Perderam menos peso

 Sucção mais forte e mais acelerada; melhor digestão talvez pelo aumento de secreção de lipase lingual

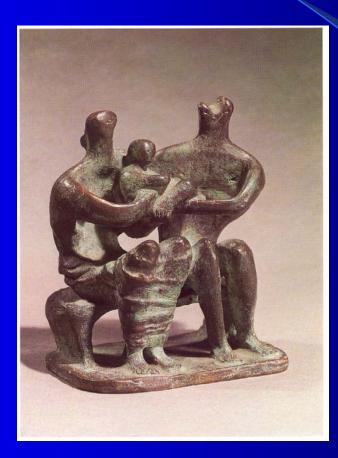
Maior pressão da sucção (de Roiste & Bushnel))
Mecanismo: tato-sucção-alimentção
Acido no estomago mais acidico (Ph)

• Saturação de oxigenio (TcPO²⁾ equilibrada





Importância da relação familiar



Saúde Mental Materna:

A auto-eficácia Apego A auto-estima

Self-Efficacy



Albert Bandura

- Self-Efficacy
 - 'Perceived self-efficacy refers to beliefs in one's capabilities to organize and execute the course of action asked to produce attainments. (Bandura, 1997, p3)
- Maternal Self-efficacy

'is specific to a women's perceived performance in the maternal role, and the beliefs she has in her ability to respond contingently to the signals of her infant. (Teti & Gelfand, 1991)'

Early Assessments

The Mother

Perceived Maternal Parenting Self-Efficacy (PMP S-E) Scale (Barnes & Adamson-Macedo, 2000)

Maternal Self-Esteem (McGrath, 1998)

Maternal Attachment (Condon & Corkindale, 1998)

What is Maternal Attachment?

Attachment Theory (Ainsworth and Bowlby, 1969)

- Maternal attachment has been defined as the unique, affectionate relationship that develops between a woman and her baby and which persists over time (Muller, 1994).
- Parental affectionate attachment is perhaps most important because research has cumulatively recognised it as a major contributor to the child's healthy growth and development (Koniak-Griffin, 1993).
- The majority of literature focuses upon observable behaviours and less often measured by maternal self-reported perceptions or experiences about interactions their infant.

What is Maternal Self-Esteem?

• is defined as; "the value a woman attaches to her reflected appraisal of herself as a mother," (Barlow, 2004).

 Self-esteem can derive from self-evaluations based on competence or whether people possess characteristics that are deemed as culturally positive or negative e.g. being a good parent.

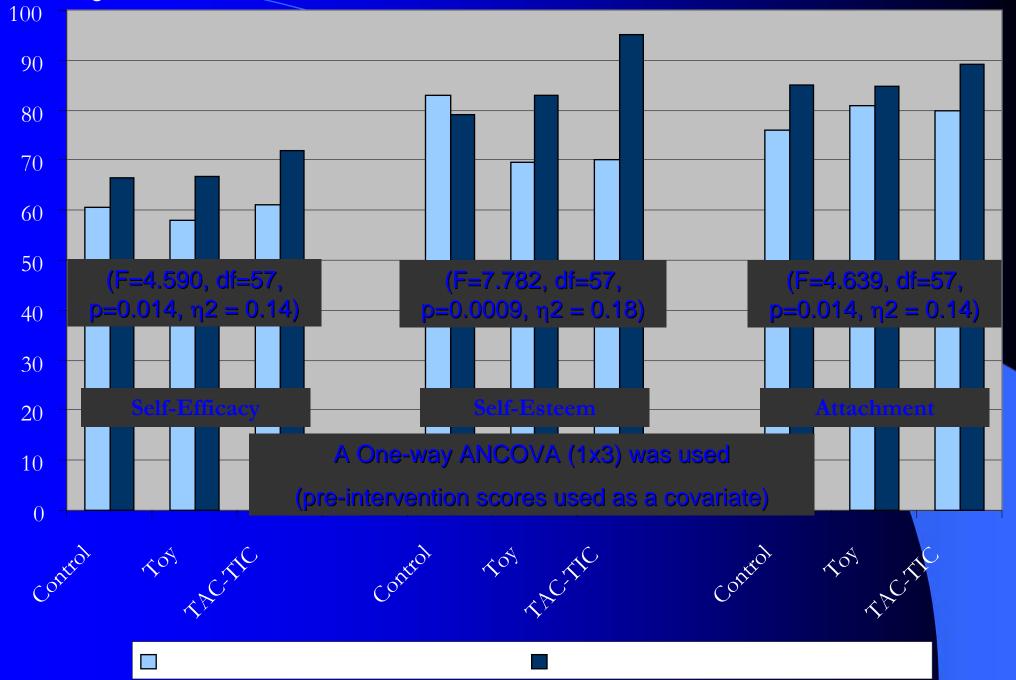


REGULAR TOY

Barnes, C. (2008) Cognitive, Emotional and Environmental Mediators of Early Parenting in High Risk Families. unpublished Doctoral Thesis.

Barnes, C.R. & Adamson-Macedo, E.N. (*in Prep*) Nurturing the Mental Health of Mothers of Hospitalised Preterm Babies.

Figure 1. Maternal Pre- and Post-Intervention Mean Total Score Measurements



Uma nova Invenção: neo-hapy™

E.N. Adamson-Macedo, 2000 ©

Hypothesis:

Full-term healthy babies who are exposed to a novel manual stimulus that they can explore by **neo-haptic touch** will have their cognitive, motor and communication developed and enhanced further than their fullterm counterparts exposed to a regular toy.



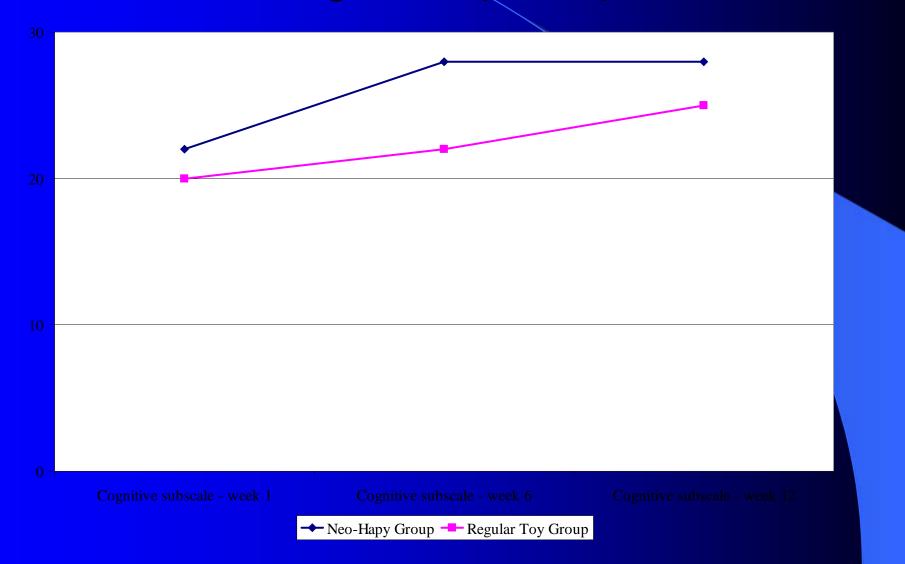




REGULAR TOY

NEO-HAPY

Figure 1. – Bayley (III) *Cognitive Subscale Scores* for the Summed for the Neo-Hapy and Regular Toy Groups.



Maternal Statements

Mother 01

- "Did you see how she moved her hands with the toy."

Mother 02

 – "I didn't think he would do much because he doesn't with his other toys."

Mother 04

"When she uses the toy she always seems so calm afterwards."

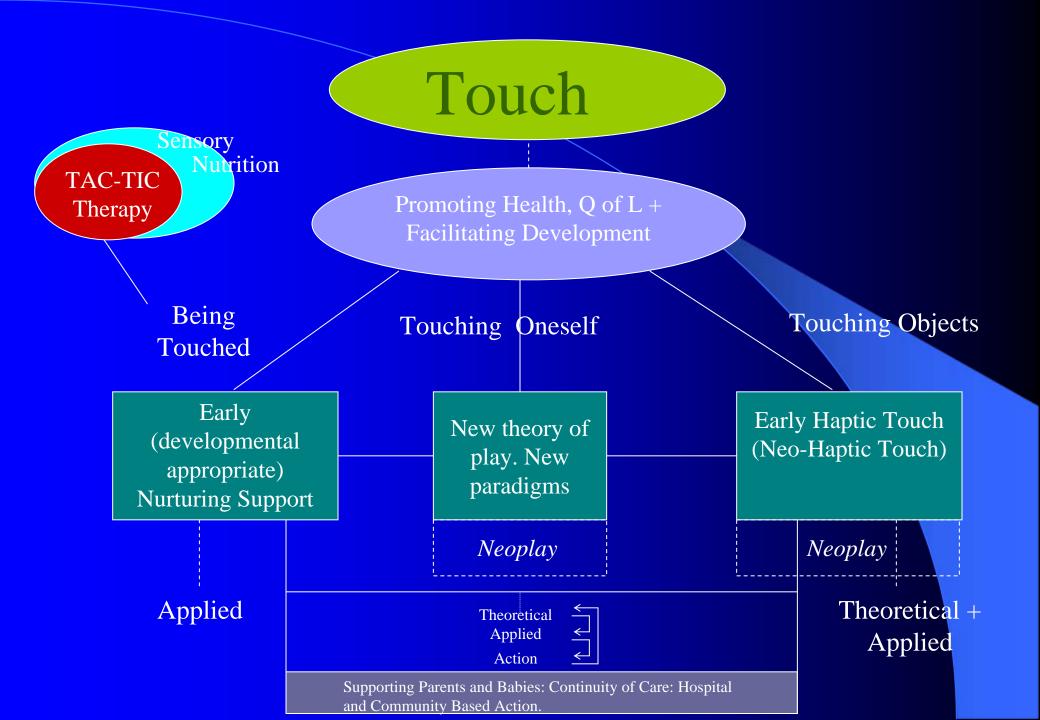
The information contained here is confidential to the University of Wolverhampton From stimulation to sensory nutrition

TAC-TIC: Evidence

- Firstly, that gentle light and systematic stroking in the form of *TAC-TIC therapy does not adversely affect TcPO2 levels* (an indicator of infant distress) in either relatively healthy preterm neonates (De Roiste, 1991) or those babies receiving ventilation (Adamson-Macedo et al., 1994 and 1997).
- 2. Secondly, preterms who received TACTIC *lost significantly less weight during* the first week of life and *gained more weight overall than controls* (Macedo, 1984 and 1985/6) although this was not supported later by De Roiste (1991).
- 3. De Roiste and Bushnell (1993, 1995 and 1996) found that relatively healthy preterms who received TAC-TIC demonstrated significant and *enhanced sucking behaviour*, greater acidity of stomach concentrations and *progression to all suck feeds earlier* as opposed to their controls.
- 4. Hayes (1999) identified that there were benefits to the immune system of the ventilated preterm in the form of *significantly increased SIgA concentrations in the saliva*.
- 5. It was also found that babies who received TAC-TIC also were *discharged from hospital sooner* (De Roiste and Bushnell, 1996), *moved from an incubator to a cot earlier* (Macedo, 1984; De Roiste, 1991), *displayed significantly more comfort behaviours* than distress behaviours (Hayes, 1996) and possessed *higher intelligence scores at 7 years of age* (Adamson-Macedo, 1993).

Compreensão, Integração, Sincronização

O Ambiente de cuidado para promover o desenvolvimento e saúde mental.....



Conclusão

- Implicações & procura pelo Equilibrium
- O papel da Psicólogo Neonatal
- Applications o futuro juntos em defesa da Infância e Paz
- O ambiente de cuidado MELHOR é o individualizado que facilita/promove/sustenta a saúde fisica/mental/desenvolvimeto sistêmico

OBRIGADA -por cuidar de mim com gentileza e carinho Continuemos juntos a grande jornada

Pela Infância e Paz



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