

# Getting a good early start: supporting attachment relationships in young children and stressed parents

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### University | Institute of Health Scottish Attachment in of Glasgow | & Wellbeing Action



#International WomensDay



## Humans are pack animals



#### A pack is made up of University | Institute of Health of Glasgow | & Wellbeing people of all ages



# University | Institute of Health Attachment starts with the baby of Glasgow | & Wellbeing seeking help



# Its all about soothing and stress calibration



Then the relationship develops through "serve and return"



The baby serves (*attachment behaviours*)...and the caregiver returns (*caregiving behaviours*)

This is basic human instinct and is easy when nothing is getting in the way



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Neuroscience and Biobehavioral Reviews 35 (2011) 1562-1592



Contents lists available at ScienceDirect

### **Neuroscience and Biobehavioral Reviews**

journal homepage: www.elsevier.com/locate/neubiorev

Review

The Adaptive Calibration Model of stress responsivity

Marco Del Giudice<sup>a,\*</sup>, Bruce J. Ellis<sup>b</sup>, Elizabeth A. Shirtcliff<sup>c</sup>

"children have evolved ... to respond in biologically adaptive ways to harsh and unsupportive family environments, not just to loving and supportive ones"







Fight, flight, freeze



- Car accident
- Death of a loved one
- Shouted at by your boss







**Relaxation**, restitution











**Relaxation**, restitution











# University | Institute of Health Why is stress calibration so important?





We learn to manage our own stress calibration throughout life





# Helped by the quality of relationships in our pack





But what if your calibration is usually in the "red zone"?





## **Reactive Attachment Disorder**

# Reactive Attachment Disorder (RAD)

Failure to seek and accept comfort; excessively inhibited, hypervigilant or highly ambivalent and contradictory responses ...with a history of abuse and/or neglect





# Disinhibited Social Engagement Disorder

#### Disinhibited Social Engagement Disorder (DSED)

indiscriminate sociability with marked inability to exhibit appropriate selective attachments ...with a history of abuse and/or neglect







RAD and DSED are thought to be the only disorders specifically caused by maltreatment...although don't forget PTSD





BRITISH JOURNAL OF PSYCHIATRY (2007), 190, 490-495. doi: 10.1192/bjp.bp.105.019745

#### Genetic, environmental and gender influences

#### on attachment disorder behaviours

HELEN MINNIS, JOANNE REEKIE, DAVID YOUNG, TOM O'CONNOR, ANGELICA RONALD, ALISON GRAY and ROBERT PLOMIN

#### **Twin study**

The degree of similarity in symptoms was compared between identical and non-identical twins.

The closer the similarity in identical twins, the more heritable the disorder -especially if there is more similarity between identical compared to nonidentical



#### BRITISH JOURNAL OF PSYCHIATRY (2007), 190, 490-495. doi: 10.1192/bjp.bp.105.019745

 Table 3
 Estimates from the ACE model based on the Relationship Problems Questionnaire and its 'inhibited' and 'disinhibited' sub-scales

	Males (n=4474) % (95% CI)	Females (n= <b>470</b> 6) % ( <b>9</b> 5% CI)
Reactive Attachment Disorder		
Additive genetic	64.5 (57.2–72.4)	21.9 (16.8–27.7)
Shared environment	24.3 (16.4–31.6)	62.2 (57.0-67.0)
Non-shared environment	11.2 (10.15-12.32)	15.9 (14.5–17.4)
<b>Disinhibited Social Engagement Dise</b>	order	28 - 29,
Additive genetic	77.0 (69.2–85.5)	54.8 (48.5-61.7)
Shared environment	14.9 (6.4-22.7)	36.4 (29.4-42.8)
Non-shared environment	<b>8.I (7.4–9.0)</b>	8.8 (8.0-9.7)

RPQ, Relationship Problems Questionnaire.

### What's inherited?



# Could it be temperament?





# Could it be neurodevelopmental problems?





# **Differential Susceptibility**

# Some children are, temperamentally, more sensitive to the environment than others.





# The divergent paths of the fearless child

2011; 120(2): 400.



# University | Institute of Health of Glasgow | & Wellbeing problems are likely to have problems with stress calibration



## University | Institute of Health of Glasgow | & Wellbeing Wellbeing Iook after









# What can get in the way of adaptive stress calibration?





### It takes two to tango

## **Attachment Relationships are made up of two parts:**





### It takes two to tango

### On the attachment behaviours side:





# Trauma can impair attachment behaviours







### It takes two to tango

## On the caregiving behaviours side :




## Neurodevelopmental problems can impair caregiving





e.g. Gul & Gurkan, 2016; DOI: 10.1177/1087054716658123



#### Puzzlement in 2013

Abused and neglected children with psychiatric diagnoses seem to have LOTS of diagnoses



**Review** Article

The Scientific World Journal Volume 2013, Article ID 148468, 5 pages http://dx.doi.org/10.1155/2013/148468

#### Maltreatment-Associated Psychiatric Problems: Environmentally Triggered ESSENCE?

**Helen Minnis** 





#### **Maltreatment-associated psychiatric problems**



In abused and neglected children with psychiatric problems, the complexity seemed much greater. Was this just because I was seeing the children with the biggest problems?



# **Study 1:** Maltreatment-associated neurodevelopmental disorders: a co-twin control analysis

Dinkler, L., Lundström, S., Gajwani, R., Lichtenstein, P., Gillberg, C., & Minnis, H. (2017). Maltreatment-associated neurodevelopmental disorders: a co-twin control analysis. Journal of Child Psychology and Psychiatry, 58(6), 691-701.





Do children exposed to maltreatment have an increased neurodevelopmental disorder (NDD) load compared to children not exposed to maltreatment?

The Child and Adolescent Twin Study in Sweden (CATSS)N = 13,052 (49.6% females) aged 9



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 Do children exposed to maltreatment have an increased neurodevelopmental disorder (NDD) load compared to children not exposed to maltreatment?





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### We asked about symptoms of:

ADHD

**Autism** 

Tic disorders Learning Disability

www.gnc.gu.se







### Yes!

Maltreated children are nearly **ten times** as likely to have 3 or more neurodevelopmental problems





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## • Is child maltreatment a risk factor for an increased neurodevelopmental load?





Legend











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https://www.youtube.com/watch?v=o1cW8Pzzu4U

#### <sup>™</sup>JOURNAL⇔CHILD PSYCHOLOGY<sub>AND</sub>PSYCHIATRY

Journal of Child Psychology and Psychiatry \*\*:\* (2017), pp \*\*-\*\*



doi:10.1111/jcpp.12682



JCPP Podcast: Maltreatment-associated neurodevelopmental disorders





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#### We need to be aware that

- 1. There is an increased risk of abuse and neglect in children with multiple neurodevelopmental disorders
- 2. There is an increased risk that abused and neglected children will have (multiple) neurodevelopmental disorders
- 3. Children and adults who have experienced trauma need assessment for neurodevelopmental disorders



















#### **Study 2**: Mania symptoms in a Swedish longitudinal population study: the roles of childhood trauma and neurodevelopmental disorders

Gajwani, R., Dinkler, L., Lundström, S., Lichtenstein, P., Gillberg, C., & Minnis, H. *Submitted* 



Methodology

#### Child and Adolescent Twin Study in Sweden

N = 3348

#### Age 9

-Abuse and neglect (Life stressor Checklist-R) -Autism–Tics, AD/HD, and other Comorbidities inventory (A-TAC) Age 15

Child Mania Rating Scale– Parent Version (CMRS-P)





#### **Hypotheses**





### Treatment/Prevention 1: Support stressed parents





#### Treatment 2: Work on the attachment relationship



#### Relationshipfocussed interventions



And other treatments if needed (e.g. stimulants)



# Treatment 3: good formulation

# If your child, patient, client has experienced trauma THINK about





### Treatment 4: Let's stop specialising



NHS











Quick plug – we are looking for families of primary school age whose children have *either* indiscriminate behaviours *or* autism. Fiona Turner has leaflets with contact details...



### Thank you!

