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Maternal States of Mind, Reflective Function, Maternal Behavior, and the Mother-Infant Attachment Relationship

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Maternal States of Mind, Reflective Function, Maternal Behavior, and the Mother-Infant Attachment Relationship

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With more than a little assistance from...

- Sandi Bento, Research Coordinator
- Carey Anne DeOliveira (CPRI, London)
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- Acia Blank
- Anneli Sepa
- Deanne Pederson
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Our Research Program - Overview

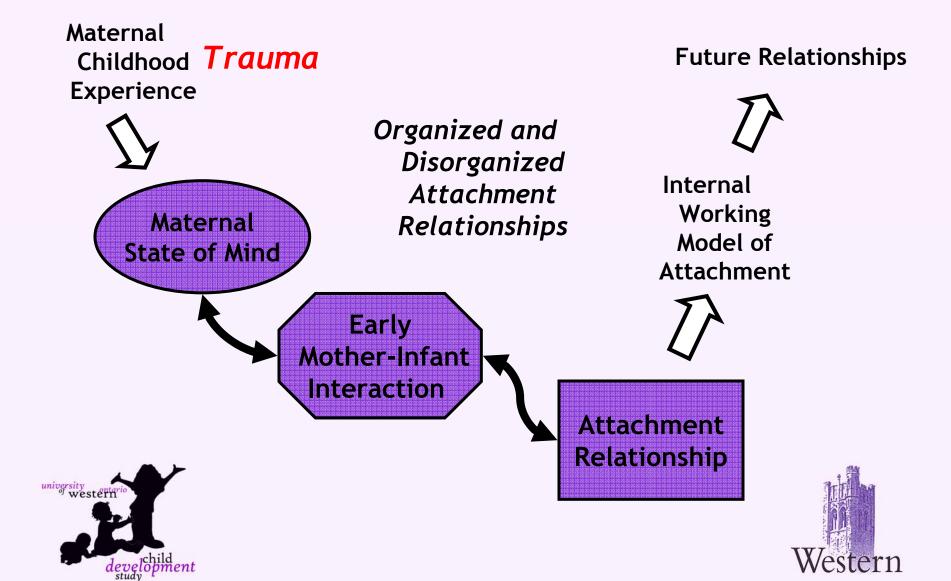
Attachment - The First Relationship

Its origins in the first year and in the mother's childhood experience





The First Relationship



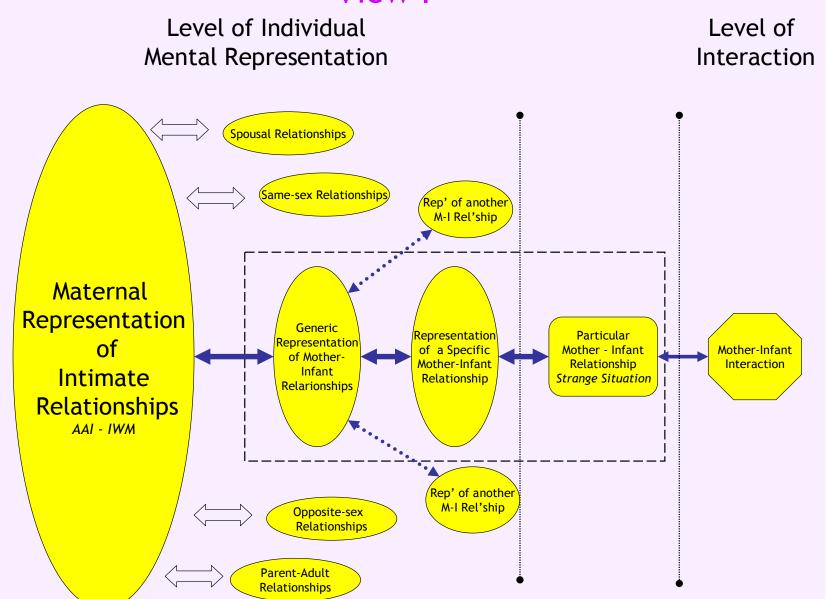
Maternal Representations and the Transmission of Attachment

- Elaborating on the place of representations in the broader picture
- Beyond the AAI-based Internal Working Model (IWM)
- Need for greater specificity Representation of
 - different types of relationships
 - Different relationships of the same type

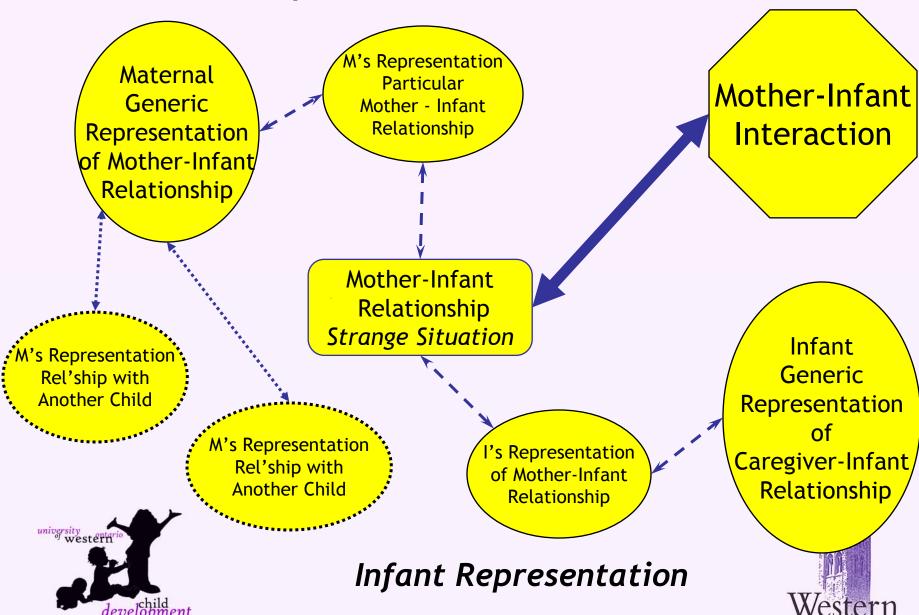




A Reconceptualization of the Developmental Path View I



Maternal Representation



The Concept of Reflective Function

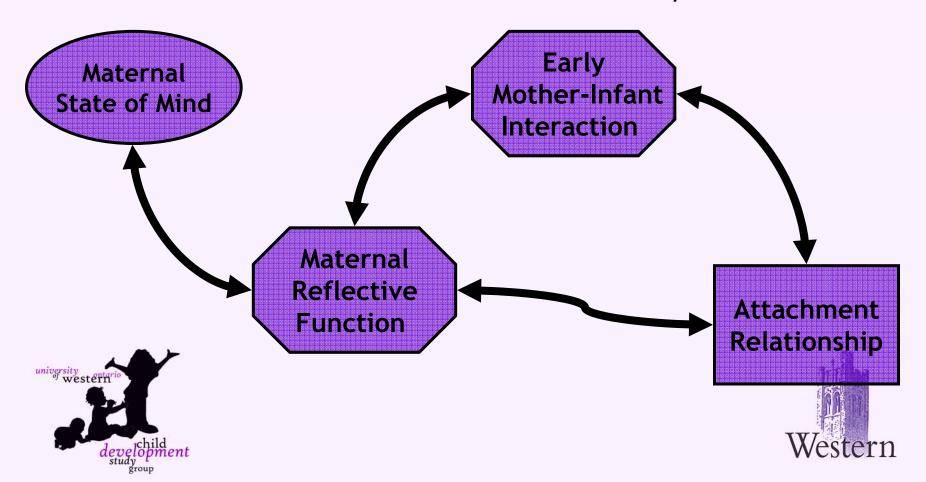
- Fonagy's introduction of the concept
 - Capacity to understand one's own and others actions in terms of mental states
 - Thus, allows for adaptive adjustment of interactive behaviour and, therefore,
 - Critical element in the process underlying the development of secure attachment relationships





Current Conceptualization of Role of Reflective Function in Transmission of Attachment

Reflective Function mediates impact of maternal state of mind and the attachment relationship



Research to Date on Reflective Function

- Basic Predictions
 - Reflective Function/Attachment Security
 - Fonagy et al, 1991:
 - Secure attachment associated with higher RF
 - Slade (2005)
 - Replicate FonagyRF/AAI
 - Reflective Function/AAI-State of Mind
 - Fonagy et al (1998)
 - Coherency and Autonomy associated with higher RF
 - Replicated by Slade et al (2005)





Research to Date - RF as Mediator

- Slade et al. (2005)
 - Statistical evidence of Reflective Function as mediator between AAI-IWM and Attachment Security is inconclusive
- But even if established, begs question of link between RF and quality of interactive behaviour -Maternal Sensitivity
 - Grienenberger et al. (2005)
 - Problems
 - AMBIANCE and Security...??!!



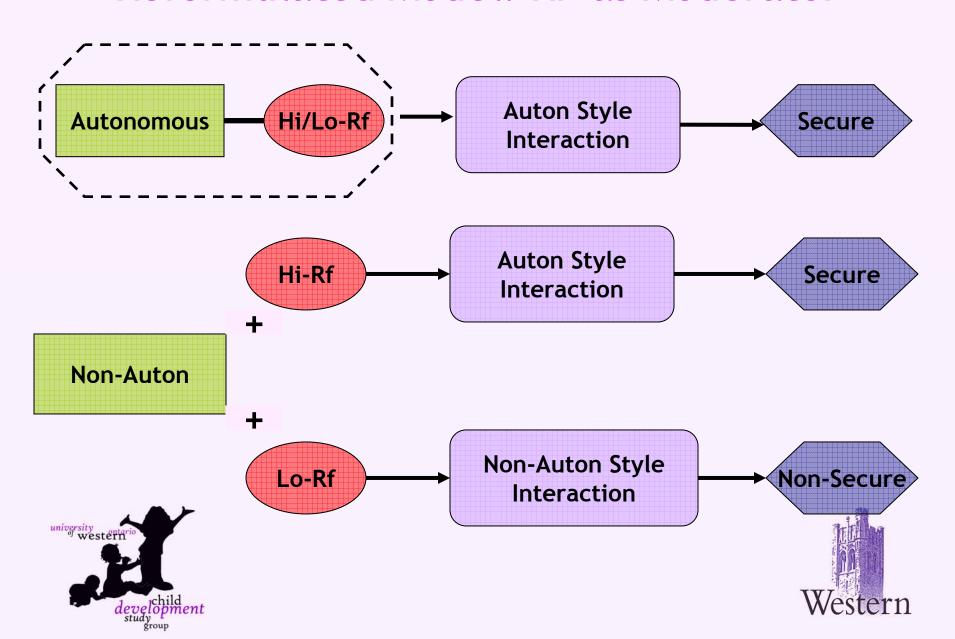


Problems with Current Model

- What is determinant of maternal behaviour -IWM or RF?
- Are IWM and RF invariantly linked?
- IWM and RF are distinct concepts!
 - Qualitative vs quantitative influences...
- A re-conceptualization of the place of Reflective Function in the transmission of attachment - back to basics



Reformulated Model: RF as Moderator



The Current Study

- 60 mothers and infants
 - community sample avg M age 31 yrs
 - I age 13 mos at SSP and home visit; AAI within following 6 mos
- Strange Situation (12-14 mos)
- Mat Beh Q-Sort in home (12-14 mos)
- Adult Attachment Interview (12-18 mos)

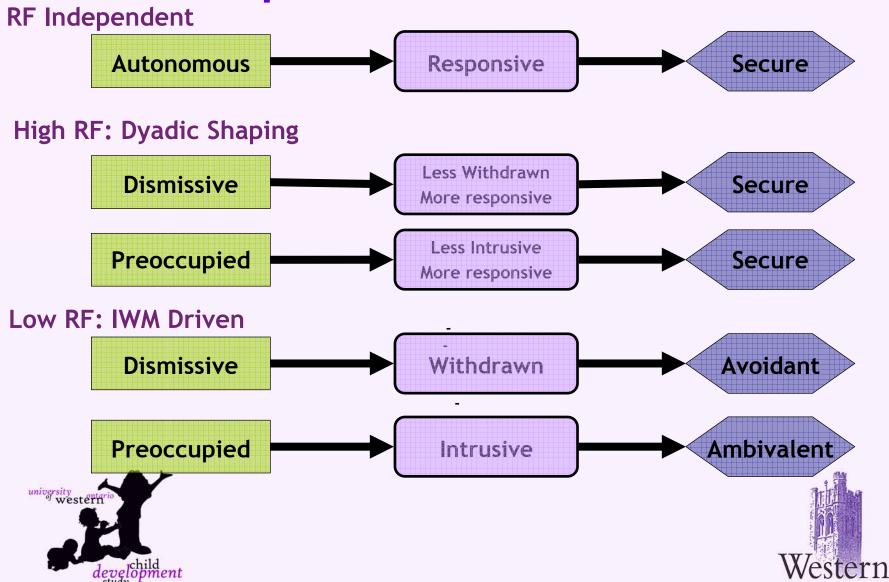




Interactive Behaviour Domains

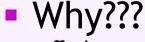
- Conceptually related to specific state of mind
- Scales based on rational selection of MBQS items
 - Autonomous → Responsive (Secure)
 - Dismissive → Withdrawn (Avoidant)
 - Preoccupied → Intrusive (Ambivalent)
- Viewed as IWM-driven pattern of interaction

Specific Predictions



Results of the Current Study

- Basic Inter-correlations
 - RF and Autonomy or coherency
 - Failure to replicate
 - RF and Attachment security or rel'ship quality
 - Failure to replicate







Results of Current Study

Exploring the Moderator Model

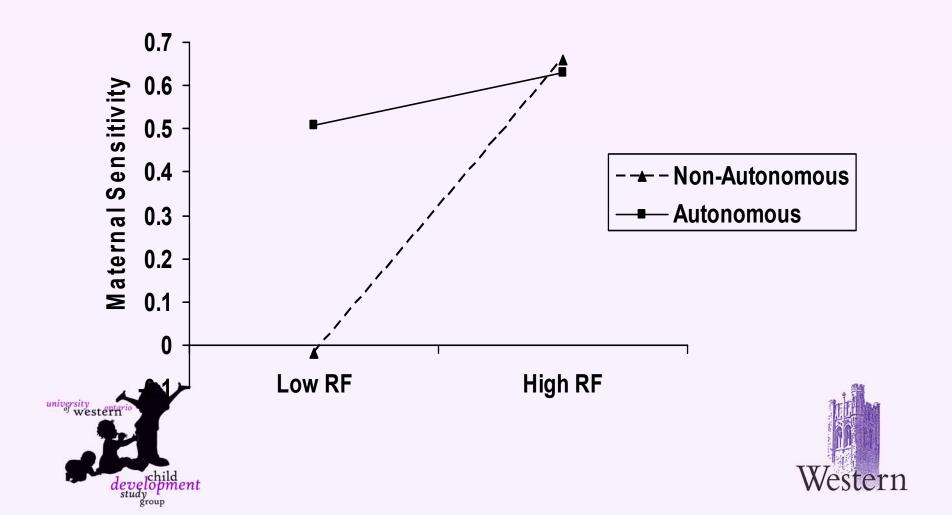
Reflective Function and:

- 1. MBQS Sensitivity Autonomous vs non-Autonomous
- Quality of interactive behaviour (Behavioural Domains) by AAI categories and Reflective Function... and
- 3. Quality of the attachment relationship





Maternal Sensitivity and Reflective Function



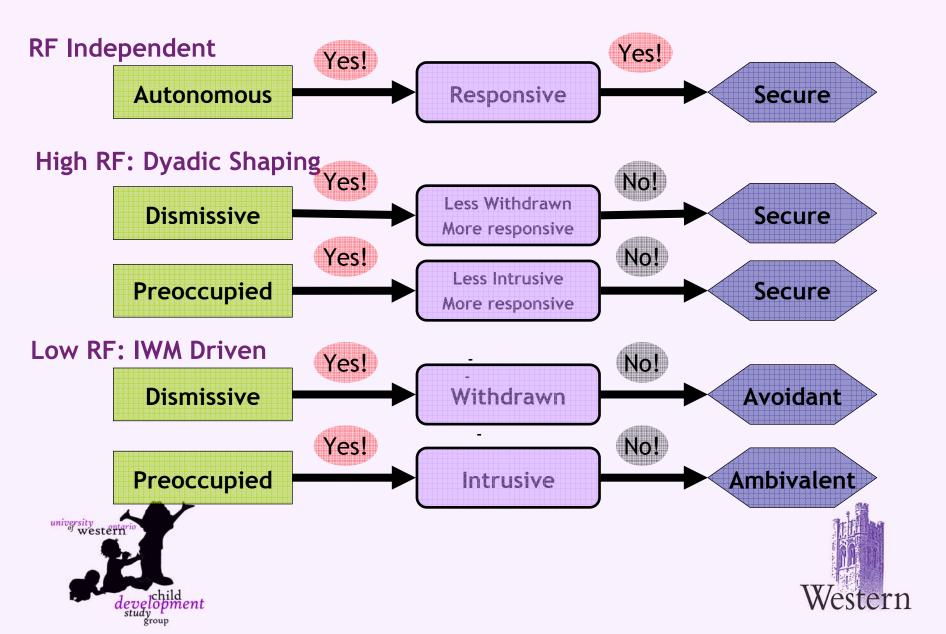
Correlations Between Maternal Reflective Function and Maternal Behavioral Domains by Adult Attachment Interview Classification

AAI Category	Maternal Behavioral Domains		
	Responsive	Withdrawn	Intrusive
Autonomous	.06	11	14
Dismissing	.49*	62**	19
Preoccuppied	.72	73*	78*





Overview of Results - Moderation



Summary

- Failure to replicate previous findings of simple associations between RF & AAI, and RF & Attach Security
 - Obviously, then, no evidence that RF is a mediator between IWM and Attach Sec
- BUT found strong evidence of RF as moderating impact on IWM as it affects maternal behaviour
 - Especially impressive given that interactive behaviour measured in the home with a totally different instrument

Discussion Points

- Failure to replicate
 - Sample variation really only 2 other samples studied, or....
 - Coding confound AAI-trained or sophisticated coders
 - Coding to implicit knowledge of AAI coherence and autonomy....
 - Unusually hi correlations (.73) and could substitute RF for AAI in any results....
- Strong evidence of a model in which RF moderates impact of IWM on maternal behaviour
 - Conceptually coherent and consistent with basic concept of RF and extant attachment theory





Supplementary Slides





