INFANT RESEARCH AND PSYCHOANALYSIS

prepared by Judith Rustin

婴儿研究与精神分析

讲授者 Judith Rustin

依赖体验的评估系统的成熟过程

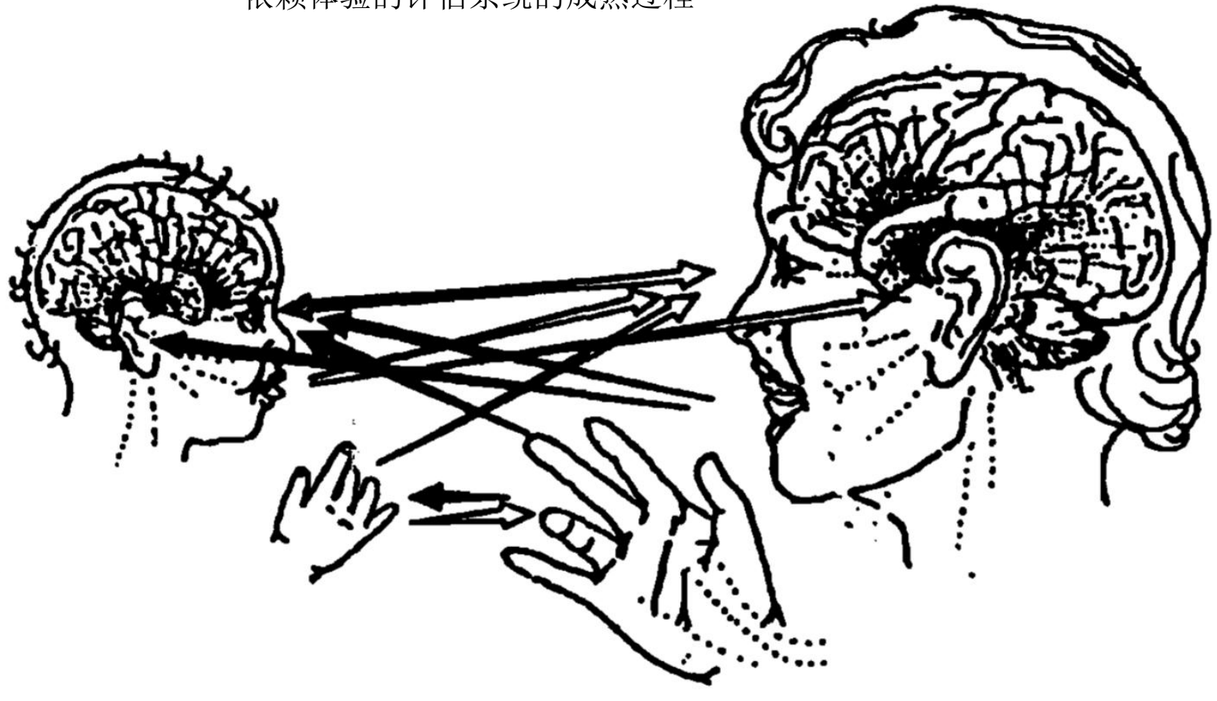


FIGURE 2.3. Channels of face-to-face communication in protoconversation. Protoconversation is mediated by eye-to-eye orientations, vocalizations, hand gestures, and movements of the arms and head, all acting in coordination to express interpersonal awareness and emotions. (From Aitken & Trevarthen, 1997)

图2.3 “原型对话”中脸对脸沟通的通道。“原型对话”受到“眼对眼定向”、语调、手势、手臂与头部运动的调节，所有的运动协调在一起，表达人际觉知与情绪。（引自Aitken & Trevarthen，1997）

Early Infant Capacities

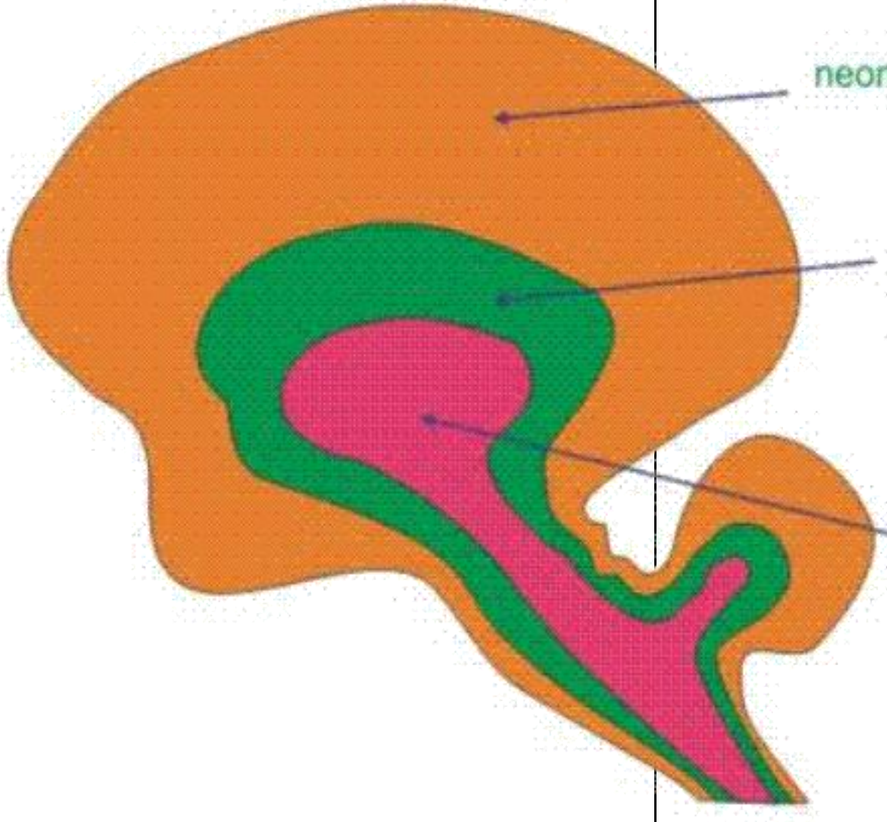
- Signal
  - Distress
  - Fear
  - Aversion
- Respond to
  - Shape
  - Movement
  - The inner state
- Preference for patterns that mirror the human face
- Detect contingencies
- Categorize and organize experiences

婴儿的早期能力

- 发信号
  - 痛苦
  - 恐惧
  - 厌恶
- 响应
  - 形状
  - 移动
  - 内在状态
- 偏好能反映出人类面孔的模式
- 侦测“随因性”
- 对体验进行分类和组织

Triune brain
三重脑理论

MacLean's Triune Brain 麦克莱恩的三重脑理论



neomammalian brain 新哺乳类脑

paleomammalian brain 古哺乳类脑
= limbic system = 边缘系统

reptilian brain 爬行脑

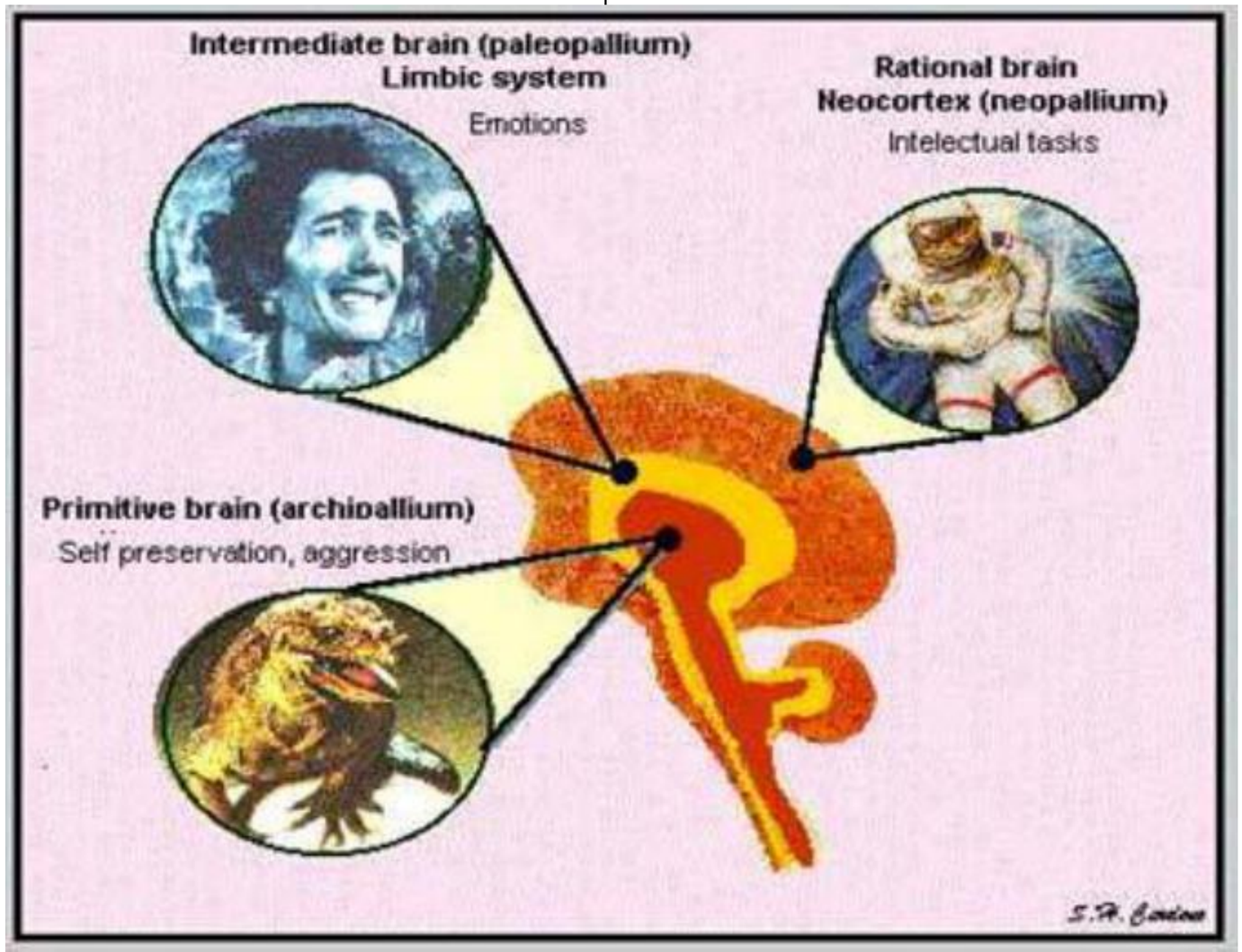
中介脑（古脑皮层）

边缘系统

情绪

原始脑（旧皮质）

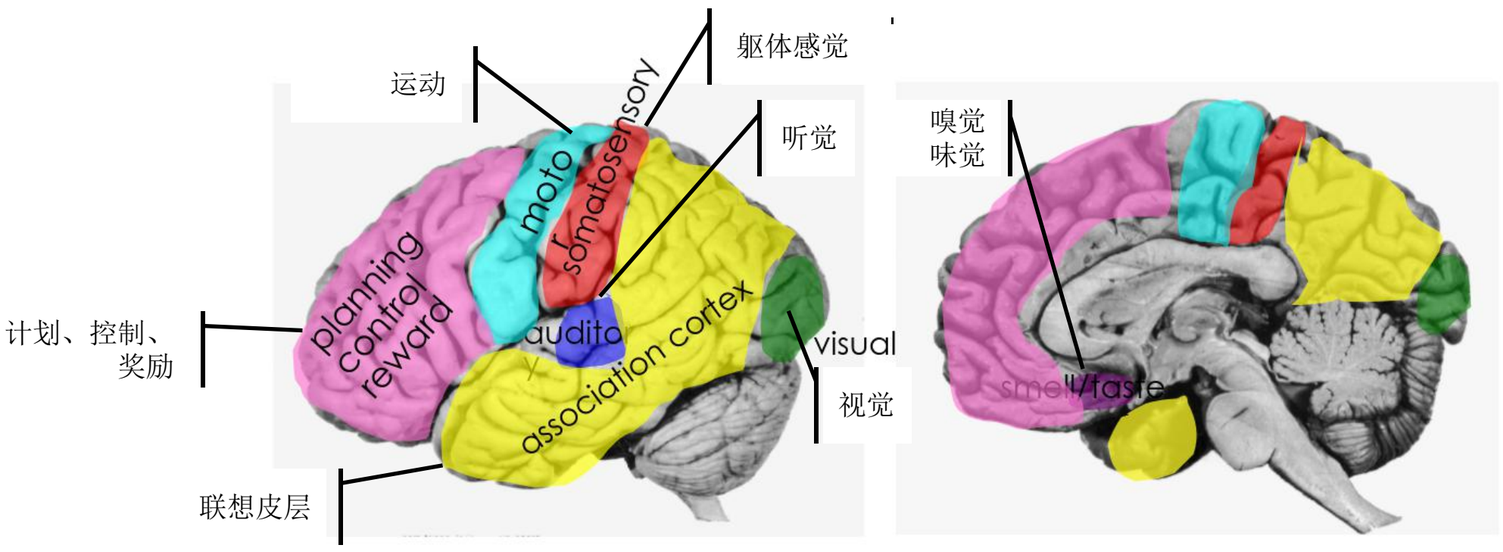
自我保护，攻击性

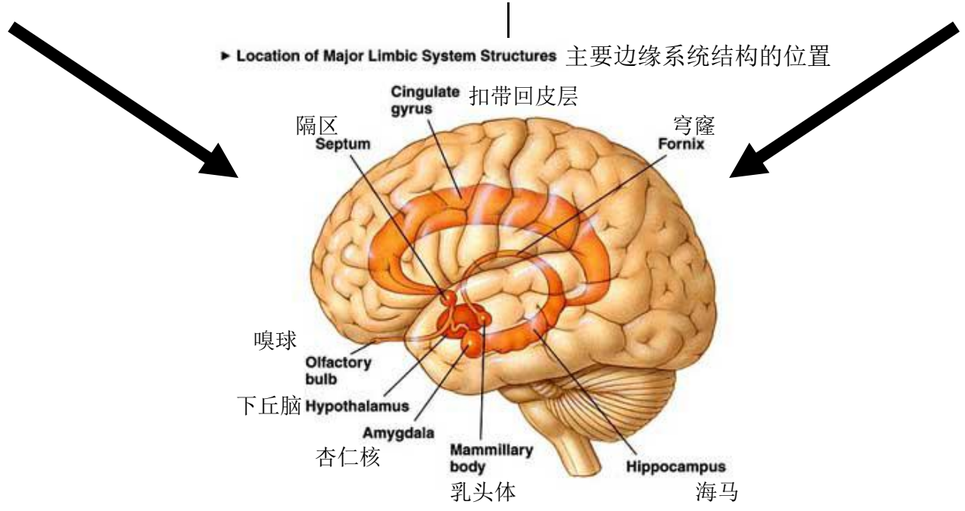


理性脑

新皮层（新脑皮层）

智力任务

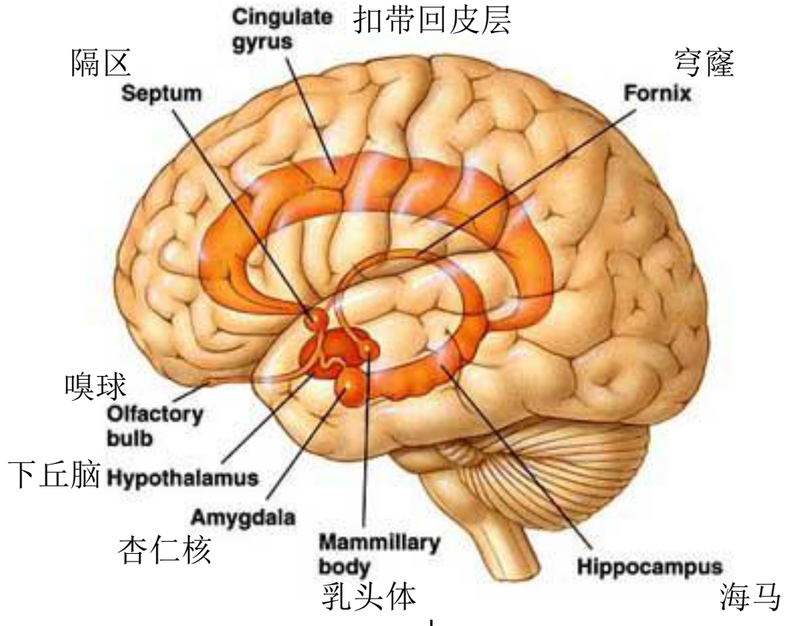

运动
躯体感觉
听觉
计划、控制、
奖励
视觉
联想皮层
moto
somatosensory
planning
control
reward
audita
association cortex
visual
嗅觉
味觉
smell/taste


► Location of Major Limbic System Structures 主要边缘系统结构的位置
Cingulate gyrus 扣带回皮层
隔区
Septum
穹窿
Fornix
嗅球
Olfactory bulb
下丘脑 Hypothalamus
Amygdala
杏仁核
Mammillary body
乳头体
Hippocampus
海马

Limbic system

- Amygdala
- Hippocampus
- Hypothalamus
- Cingulate gyrus
- Orbitofrontal cortex
  - Integration of external and internal info
  - Representation of reward and punishment value
  - Apex for approach and avoidance (excitatory and inhibitory modulation

► Location of Major Limbic System Structures 主要边缘系统结构的位置



边缘系统

- 杏仁核
- 海马
- 下丘脑
- 扣带回皮层
- 眶额叶皮层
  - 整合外在和内在信息
  - 表征奖励与惩罚价值
  - 趋近和回避的最上层（兴奋与抑制的调节）

Infancy and Implicit Memory

- Infants use subcortical areas, such as the basal ganglia and the amygdalla.
- Basal ganglia encodes motor memory which is stored as patterns and procedures
- Amygdalla encodes emotional memory

婴儿期和内隐记忆

- 婴儿使用皮层下区域，例如基底核、杏仁核。
- 基底核编码动觉记忆，将其存储为模式和程序
- 杏仁核编码情绪记忆

“Remembered” Implicit Responses

- Through motor expressions
- Through inner feeling and arousal states
- Patterns of interaction of self with other
- Early motor “memories” are elaborated and transformed through later experiences
- But remain visible if valued by the observer

“记住了”的内隐反应

- 通过运动表达
- 通过内在感受和唤起状态
- 与自身和他人的互动模式
- 早期动觉“记忆”在日后的体验中得到发扬和转化
- 如果观察者加以重视，就能够看到

IMPLICIT MEMORY:
Memory of patterns and procedures

- Does not require symbolic thinking
- Memory of how to do something, such as riding a bike or driving a car
- Our earliest memories are encoded implicitly

内隐记忆：
对模式和程序的记忆

- 不需要象征性思维
- 如何做事情的记忆，比如骑自行车或者开车
- 我们最早记忆的编码是内隐的编码

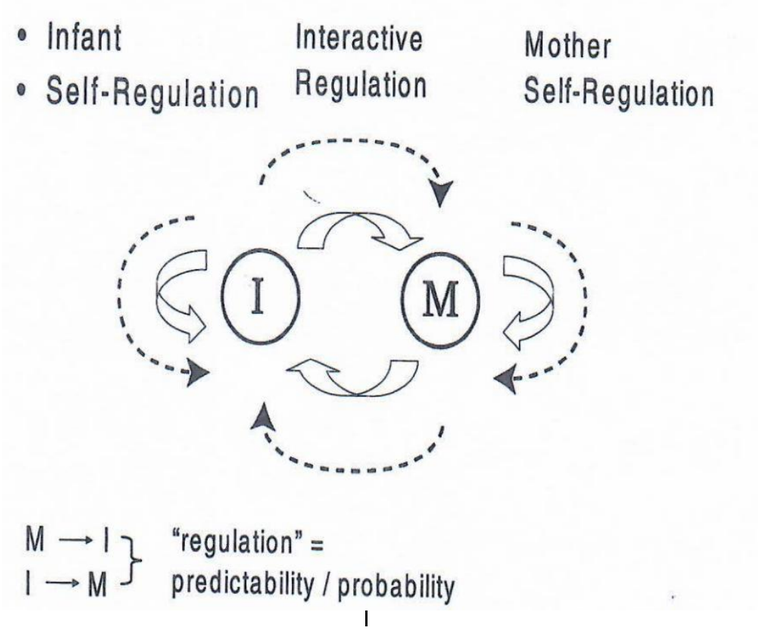
WHAT IS REMEMBERED?

- EMOTIONAL MEANING
- NOVELTY
- PROCESS CALLED ENCODING
- MORE MEANINGFUL THE EXPERIENCE
- MORE ELABORATE THE ENCODING
- THE MORE CHANCES FOR ACTIVATION BY A RETRIEVAL CUE

什么被记住了？

- 情绪意义
- 新奇性
- 称为编码的过程
- 体验越是有意义
- 编码就越发精细
- 越有可能被“提取线索”激活

婴儿自我调节　　相互调节　　母亲自我调节



M → I
I → M
"调节" =
可预测性/可能性

FIGURE 1–1. A Systems Model of Interaction.

Arrows indicate predictability ("coordination," "regulation" or "influence") between partners. Dotted arrows represent the history of the pattern of predictability.

M ⟶ I indicates that mother behavior in the previous few seconds predicts infant behavior in the current second;

I ⟶ M indicates that infant behavior in the previous few seconds predicts mother behavior in the current second.

⟶ Regulation is present

- - - -⟶ History of the regulation process

From: Beebe, B., Knoblauch, S., Rustin, J., Forms of Intersubjectivity in Infant Research and Adult Treatment: 2005 New York, N. Y. Other Press p.13
出处：Beebe, B., Knoblauch, S., Rustin, J., 婴幼研究中的主体间形式与成人治疗 2005 New York, N. Y. Other Press p.13

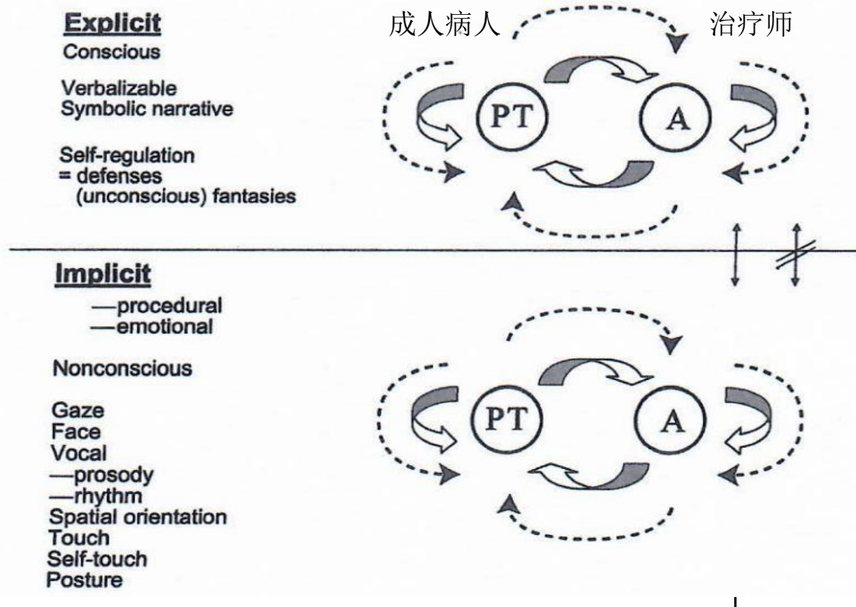
表1-1 互动模式的系统

大箭头表示两个参与者之间的可预测性（“协调”、“调节”或“影响”）。点状箭头表示可预测性模式的历史。

M→I 表示妈妈几秒钟之前的行为预测了婴儿当下秒钟的行为；

I→M 表示婴儿几秒钟之前的行为预测了妈妈当下秒钟的行为；

⟶ 当前的调节
- - - -⟶ 历史的调节过程



外显：
意识

可言语化的象征叙述

自我调节
=防御
（潜意识）幻想

内隐：
——过程的
——情绪的

非意识

凝视
面孔
语音
——韵律
——节奏
空间定向
触摸
触摸自己
姿势

FIGURE 1–2. Interaction in Adult Treatment Illustrating Explicit and Implicit Processing.

Arrows indicate predictability ("coordination" or "influence") between partners. Dotted arrows represent the history of the pattern of predictability. The arrow between the explicit and implicit realms indicates that, when necessary, the implicit and explicit systems can be translated back and forth; the broken arrow between the two realms indicates that, in some difficulties of communication, this translation is disrupted.

——▶ Regulation is present
- - - -▶ History of the regulation process

From: Beebe, B., Knoblauch, S., Rustin, J., Forms of Intersubjectivity in Infant Research and Adult Treatment: 2005 New York, N. Y. Other Press p.25
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表1-2 成人治疗的互动中外显内隐过程的演示

大箭头表示参与者之间的可预测性（“协调”或“影响”）。点状箭头表示可预测性模式的历史。

在外显领域和内隐领域之间的箭头表示，当需要时，内隐系统和外显系统可以相互转换；在外显领域和内隐领域之间的破碎箭头表示，当沟通中出现一些困难时，相互转换会被干扰。

——▶ 当前的调节
- - - -▶ 历史的调节过程

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