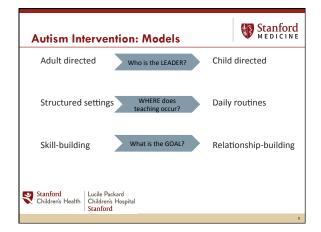
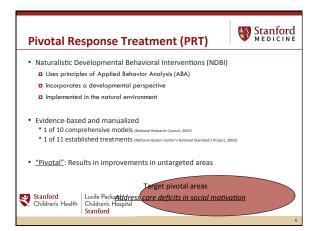


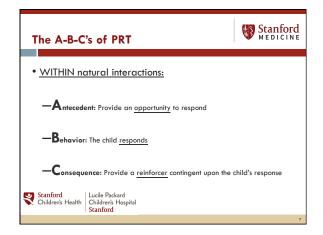
Outline Introduction to Pivotal areas Focus on Motivation Research support for PRT to improve early language skills Applications across age ranges Increasing social initiations and peer interaction Application across target behaviors Resources Stanford Children's Health Stanford Children's Heapital Stanford

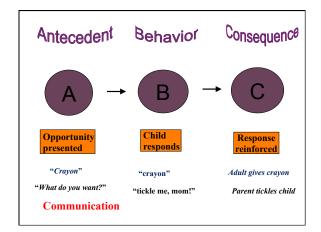


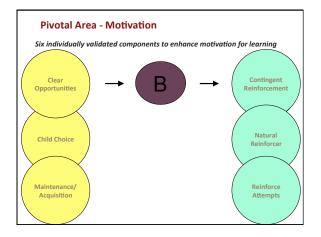












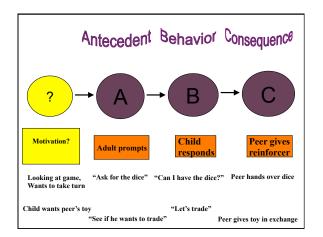






Pivotal Response Techniques: Responding in a Reinforcing Way Direct and Natural Reinforcers Directly related to the child's interest and to his response Make sure the natural consequence is rewarding Contingent & Immediate Reinforcement Pependent on child's behavior Provides child with clear feedback Needs to be consistent Reinforce Attempts Make sure the child is really trying Pronunciation does not have to be perfect





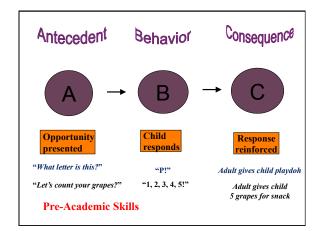
How do we teach initiations?	Stanford MEDICINE
■Step 1:	
 Select a game with multiple pieces 	
■Step 2:	
 Collect pieces and give them to peer 	
■Step 3:	
 Prompt child to initiate a request 	
■Step 4:	
Prompt peer to respond and reinforce request	
■Step 5:	
 Give pieces to child and prompt peer initiation 	
REPEAT (steps 2-5)	
Stanford Children's Health Children's Hospital Stanford	
	16

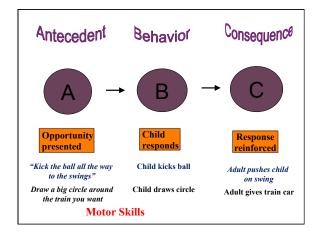
Cooperative Arrangements • Each person has only some components necessary for completing the activity • Interaction between children is necessary and reinforcing • Initial Cooperative Arrangements: Children begin activity with shared control of materials/reinforcers/skills • Object the child brings to activity • Internal ability or skill • Inherent in the rules of the game (e.g., buddy freeze tag, treasure hunt) • Ongoing Cooperative Arrangements: Facilitator ensures that ongoing • cooperative arrangements are in place during play between peers • Predict which items child will want next and give them to the peer • Repeatedly redistribute materials or reinforcers Stanford Children's Hospital Stanford Kennedy & Itkonen (1995)

Pivotal Response Techniques: Creating Motivating Opportunities for Interaction - Child Attention and Clear Prompts - Use simple language; prompt from behind and use gesture if necessary - Teach peers to be persistent with target child - Task Variation - Peer interaction is already hard, use tons of EASY demands - Shared Control (Child Choice) - Use MUTUALLY REINFORCING activities - Time prompts for social communication when motivation is highest - (e.g., before child's turn) Stanford Children's Health Children's Hespital Stanford

Pivotal Response Techniques: Responding in a Reinforcing Way to Promote Interaction * Direct and Natural Reinforcers * Prompt primarily requesting from peers * Contingent & Immediate Reinforcement * Make sure peers reinforce as quickly as possible * If peers are reluctant to take turns, set up activities involving trading * Reinforce Attempts * Make sure reinforcer is delivered after reasonable attempts - (prompt or help if necessary) Stanford Children's Health Children's Hospital Stanford Children's Hospital Stanford







Ongoing Research Interests



- · Supporting Parents
- Understanding parenting experiences and improving quality of life
- · Intervention for Infants At-risk Improving social communication and preventing or reducing the severity of developing symptoms
- Building Friendships Obtaining and measuring socially valid outcomes
- Evidence-based, naturalistic behavioral approaches to treatment
- · Multi-disciplinary collaboration

Can response to intervention tell us about which symptoms are flexible or transient?



PRT Resources



- □ Training Manuals:
 - □ http://education.ucsb.edu/autism/ behaviormanuals.html
- UCSB Koegel Autism Center
 - □ http://education.ucsb.edu/autism/index.html
- Koegel PRT
 - □ http://www.koegelautism.com/index.html



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Key Stanfo	ord Resources	Stanford MEDICINE
Early Support F	Program for Autism (ESPA)	
	t education and assistance with local resource diagnosed with ASD	es for families of
	autismsupport@stanford.edu	
	650-723-ESPA (3772)	
	http://espa.stanford.edu	
Pivotal Respon	se Treatment Package Research Study	
families will be	ontrolled trial for children 2-5yrs of age with A assigned to either a waiting list control group ling clinic-based and in-home PRT treatment.	
	Call 650-736-1235 for more information	
Stanford Children's Health	Lucile Packard Children's Hospital Stanford	
		25

For More Information or Referrals * Stanford Autism Center at Packard Children's Hospital * Evaluation, treatment, parent education and support http://www.stanfordchildrens.org/en/service/autism Clinical Intakes: (650) 723-7704 * Autism and Developmental Disabilities Research Program * Clinical trials and basic science http://autism.stanford.edu Coordinator, Robin Libove: 650-736-1235

