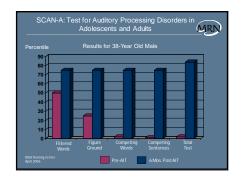
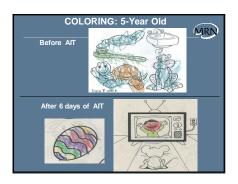
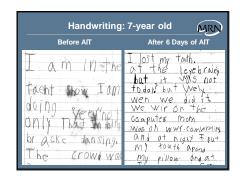
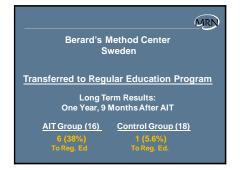


Test of Problem Solving Age Equivalent Scores				
Chronological Age:	7 yr.	8 yr.	9 yr.	
Explaining Inferences	4.4	5.1	9.7	
Determining Causes	5.10	5.10	11.1	
Negative Why Questions	6.5	6.11	8.10	
Determining Solutions	5.11	6.5	9.10	
Avoiding Problems	6.6	6.6	9.9	











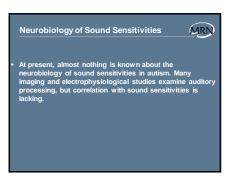


Auditory Dysfunction:
Sound Sensitivities in Autism

• Although sensory processing abnormalities are not part of the DSM-IV criteria with autism, it is universally recognized that sensory problems are prevalent with clinical observations and parental questionnaires indicating sensory abnormalities in 42% to 88% of school-aged children with autism.

• Auditory abnormalites are especially prevalent, with many children showing extreme discomfort when they head loud sounds such as a vacuum cleaner, baby crying, fireworks, or thunder.

• My work focuses on sound sensitivities – abnormal responses to supra-threshold sounds rather than hyperacusis – lowered sound thresholds.



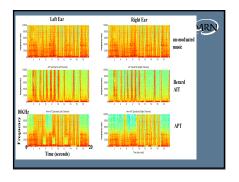
Therapy

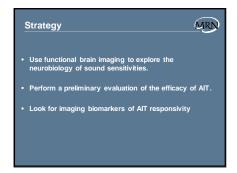
Despite a lack of understanding of the relevant biology, about 4% of children with audism receive a controversial music therapy—Auditory integration Training, at a cost of \$1000-\$3000.

Berard AIT involves listening to 10 hours of apecially modulated music with randen lettright ear dampening and augmentation of each of 8 frequency bands. Additional narrow band filtering may also be applied, as determined by audiological examination.

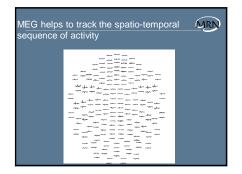
Anecdotal reports range from: 'AIT cured my child' to 'AIT was a waste of time'. There are only a handful of 'scientific' studies, with both positive and negative findings being reported.

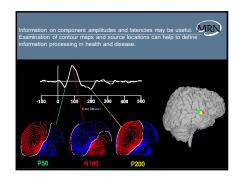
Almost all of the studies were poorly designed, with reviews of AIT by professional organizations universally concluding that there is a lack of scientific data to either support or refute the use of AIT in autism.

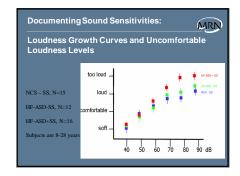


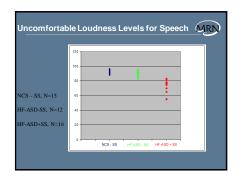


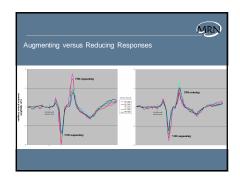


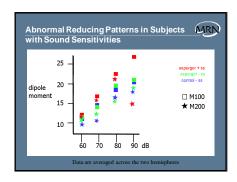


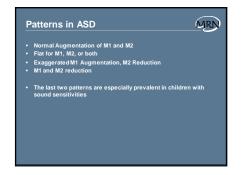


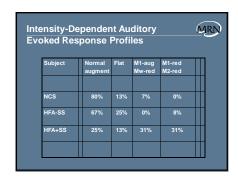


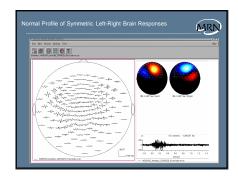


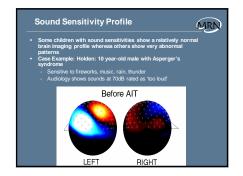


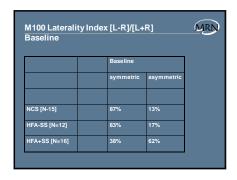


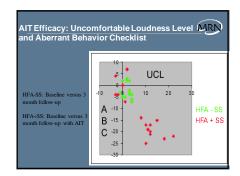


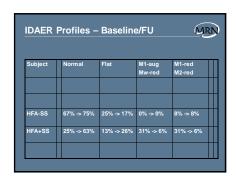


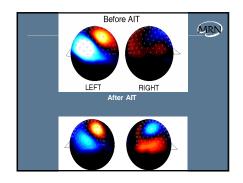




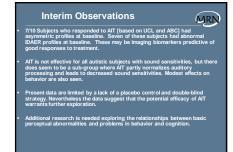


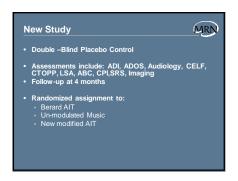


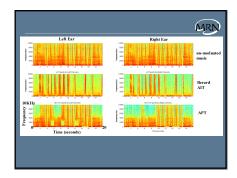




Baseline			
	Baseline -> Follow-up		
	symmetric	asymmetric	
HFA-SS [N=12]	83% -> 83%	17% -> 17%	
HFA+SS [N=16]	38% -> 81%	62% -> 19%	







Resources

• www.berardaitwebsite.com- Official website for Berard AIT

• www.drguyberard.com – Dr. Berard's website

• www.ideatrainingcenter.com

• Hearing Equals Behavior: Updated and Expanded

• www.earducator.com