

***MENGIKUTI SAINS:  
MEMBANTU ORANGTUA MEMISAHKAN  
ANTARA FAKTA DAN FIKSI***

John McEachin, Ph.D. BCBA-D

5 December, 2020



**KEEP  
CALM  
AND  
FOLLOW  
THE SCIENCE**

# ***MENJADI KONSUMEN YANG TERINFORMASI***

- Identifikasi informasi dari sumber yang terpercaya
- Berpikir skeptis. Belajar untuk mencari fakta dari suatu pernyataan
- Berpijak pada sains. Hindari jebakan untuk memahami hubungan sebab akibat

# ***JIKA TERLALU INDAH MENJADI KENYATAAN***

Tanda-tanda peringatan Pseudoscientific (Sains yang Semu) dan Anti-Scientific Therapies (Terapi yang tidak berdasarkan Sains):

- Klaim persentase keberhasilan yang sangat tinggi. Hasil yang cepat terlihat.
- Mengandalkan testimoni, bukan bukti ilmiah.
- "Teori" di balik intervensi bertentangan dengan apa yang kita ketahui

## ***JIKA TERLALU INDAH MENJADI KENYATAAN***

- Perawatan terbukti lainnya dikatakan tidak perlu, tidak bagus, atau berbahaya.
- Keyakinan dan kepercayaan dikatakan penting agar terapi "berhasil".
- Yang melakukan intervensi menolak pengawasan terhadap terapi oleh pihak lain.

# ***MENGAPA PENELITIAN ADALAH PENTING?***

- Memungkinkan kami mengesampingkan penjelasan alternatif.
- Memastikan observasi yang tidak bias. Jika tidak, kita HANYA melihat apa yang kita cari.
- Memberikan kerangka sistematis untuk menentukan bahwa observasi dapat diulang (dapat direplikasi)

# ***KONTROL DARI PERCOBAAN***

SUMBER KESALAHAN	TERJAMIN
Pemilihan hanya data yang mendukung	Pengamatan tidak diatur; pencatatan data independen
Penyebab kebetulan	Replikasi
Pematangan harapan	Perbandingan dengan tanpa treatment
Harapan dari perilaku yang mempengaruhi	Perbandingan dengan plasebo

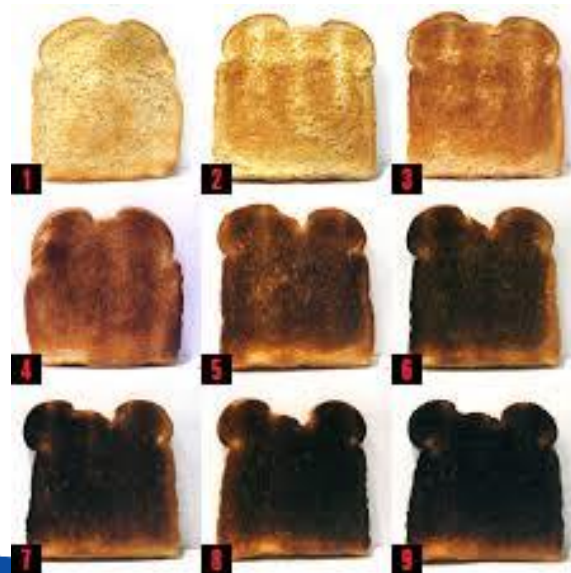
# ***MENGAPA PENTING TIDAK MUDAH PERCAYA?***

- “Kita rentan membuat keputusan dengan hati kita daripada dengan akal sehat
  - Kami sangat ingin ini semua menjadi kenyataan
  - Perasaan di jalan yang benar; Itu membuat kita merasa lebih baik
- Bias: Kami melihat apa yang kami cari. Kami mengabaikan bukti yang tidak sesuai dengan keyakinan kami.
- Anak-anak akan mengalami perkembangan apa pun yang Anda lakukan.



# DESAIN EKSPERIMENTAL

- Variabel Independen (IV)
  - Apa yang dimanipulasi oleh pelaku eksperimen
  - Biasanya intervensi
- Variabel Dependen (DV)
  - Perilaku yang sedang ada diukur



# ***BERPIKIR KRITIS***

## Observasi Kejadian

1. Anak tertekan dan gelisah.
2. Belum makan coklat selama beberapa jam.
3. Menerima coklat dan menjadi tenang dan bahagia.

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# *Berpikir Kritis*

## *Interpretasi Yang Mungkin*



1. Apakah Dia Mengalami Sindrom Defisit Cokelat?
2. Prosedur Dibantu dalam Mengorganisir Input Sensorik?
3. Deregulasi Metabolik Stabilisasi dengan Cokelat
4. Terdistraksi dari masalahnya

# **Auditory Integration Training for Children With Autism: No Behavioral Benefits Detected**

**Oliver C. Mudford, Barbara A. Cross, Siobhan Breen, and Chris Cullen**

Keele University (Staffordshire, England)

**David Reeves**

University of Manchester (Manchester, England)

**Judith Gould and Jo Douglas**

Centre for Social and Communication Disorders (Bromley, England)

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Auditory integration training and a control treatment were provided for 16 children with autism in a crossover experimental design. Measures, blind to treatment order, included parent and teacher ratings of behavior, direct observational recordings, IQ, language, and social/adaptive tests. Significant differences tended to show that the control condition was superior on parent-rated measures of hyperactivity and on direct observational measures of ear-occlusion. No differences were detected on teacher-rated measures. Children's IQs and language comprehension did not increase, but adaptive/social behavior scores and expressive language quotients decreased. The majority of parents (56%) were unable to report in retrospect when their child had received auditory integration training. No individual child was identified as benefiting clinically or educationally from the treatment.

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## The Gluten-Free/Casein-Free Diet: A Double-Blind Challenge Trial in Children with Autism

Susan L. Hyman<sup>1</sup> · Patricia A. Stewart<sup>2</sup> · Jennifer Foley<sup>1</sup> · Usa Cain<sup>1</sup> · Robin Peck<sup>2</sup> · Danielle D. Morris<sup>1</sup> · Hongyue Wang<sup>3</sup> · Tristram Smith<sup>1</sup>

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**Abstract** To obtain information on the safety and efficacy of the gluten-free/casein-free (GFCF) diet, we placed 14 children with autism, age 3–5 years, on the diet for 4–6 weeks and then conducted a double-blind, placebo-controlled challenge study for 12 weeks while continuing the diet, with a 12-week follow-up. Dietary challenges were delivered via weekly snacks that contained gluten, casein, gluten and casein, or placebo. With nutritional

counseling, the diet was safe and well-tolerated. However, dietary challenges did not have statistically significant effects on measures of physiologic functioning, behavior problems, or autism symptoms. Although these findings must be interpreted with caution because of the small sample size, the study does not provide evidence to support general use of the GFCF diet.

On 5/28/2020 6:50 AM, Best therapies in the World to cure Autism (ASD) wrote:

Hello,

There are different pharmaceutical medications that are on clinical trial to find out if they can improve autism. You can watch the video enclosed to see some example of medication. However toxic pharmaceutical medication will never work long term because there have too many adverse effects. Beside they need to undergo more than 4 years clinical trials before they can be approved by the FDA.

There is another doctor that have knowledge in improving ASD. You can see the changes in behavior in the video after 1 mn of the first treatment.

<https://youtu.be/z2p7-d4QQYc>

Parents say they are impressed with improvement in their children autism -  
Less side effects than toxic pharma drugs

I invented the best therapy in the world to cure ASD without any use of toxic synthetic pharmaceutical, without any injection and without any adverse effects. They require no FDA approval, no doctors, no nurses and can be used in the comfort of your own home.

How much should cost a therapy that would cure a person of autism (ASD)? How much would your clients be willing to pay to see their children cured of ASD? We can work together and understand how you could benefits to see some of the children cured of autism and which payment you would like to receive.

Let me know if you have parents that would be interested to see their children cured of ASD and how we can work together in terms of payment.

Best,


Beyond Medicine

# ***PERTANYAAN PENTING YANG HARUS DIAJUKAN***

	YES	NO
Apakah Teori yang Mendasari Masuk Akal?		
Apakah hasilnya dapat diukur?		
Bagaimana kualitas dari bukti?		



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Apakah hasilnya dapat diukur?		X
Bagaimana kualitas dari bukti?		X

# ***PERTANYAAN PENTING YANG HARUS DIAJUKAN***

	YES	NO
Apa itu pernah direplikasi?		
Apa itu lebih baik dibanding apa yang kita sudah punya?		
Apakah versi yang ditawarkan berkualitas tinggi dan sama dengan penelitian yang telah dipublikasi?		



AUTISM  
PARTNERSHIP



**KEEP  
CALM  
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