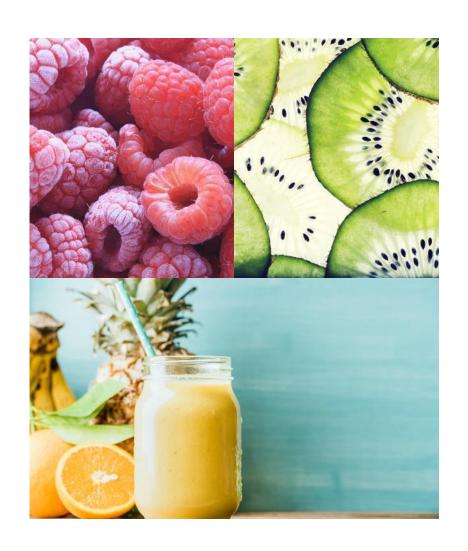
Food For Thought:

How your diet can impact your mental health

By Delroy Johnson MA, RP





Aims

- -Participants will learn:
- -Important facts about the brain
- -Neuroplasticity
- -Food and Mood: Gut brain connection
- -How diet can impact Depression
- How diet can impact Anxiety
- How diet can impact PTSD
- How diet can impact Social Anxiety
- -How diet can impact OCD

Facts about the brain

AMAZING BRAIN FACTS

?

EXPERTS AGREE

There is more we don't know about the brain than we currently know.

THE BRAIN

2% of body weight-

Consumes 20% of the body's energy production.

25% of the cholesterol in your body resides in your brain

60% of the brain is fat



Babies have big heads to hold rapidly growing brains. A 2-year-old's brain is 80% of the adult size

BRAIN SIZE

The human brain weighs about three pounds and has a volume of about 1,300 cubic centimeters, about the size of ten tennis balls.



SIZE DOESN'T MATTER

Einstein's brain was 1.2 kg:



Each of them links to as many as 10,000 other neurons = Massive Parallel Processing

Your brain consumes about 20 watts of power: enough to illuminate a very dim light bulb

The Neocortex (Language and consciousness) accounts for 76% of the brain's mass



95% of your decisions take part in the subconscious mind

Your brain contains

100 billion neurons:
about 16 times the
number of people
on Earth





Men's brains are generally 10% bigger than women's brains

Women have more grey matter and a larger Hippocampus (Involved in emotional processing) than men

Your brain keeps developing until your late 40's

SECOND BRAIN

Your gut contains 100,000 neurons (The enteric nervous system)

30 neurotransmitters.



Neuroplasticity



Neuroplasticity

The ability of the brain to rewire and rebuild itself to form new neural networks and reinforce familiar neural connections.

Why should you care about your

BDNF

Brain Derived Neurotrophic Growth Factor is a key neurochemical responsible for the growth and maintenance of neural connections.

- . BDNF helps your brain adapt & learn
- Improves all forms of plasticity

YOU control your BDNF levels

hiutrition

Sugar reduces BDNF Levels while Fasting, Ketosis and Ornega 3 fatty acids improve BDNF levels.

Skeep

Pour Siney reduces BDNF Levels.

Courcise

Movement and exercise at any age improves BDMF levels

Chronic Street

imbalances in cormol and adversaline lower BONF levels.

Food and Mood

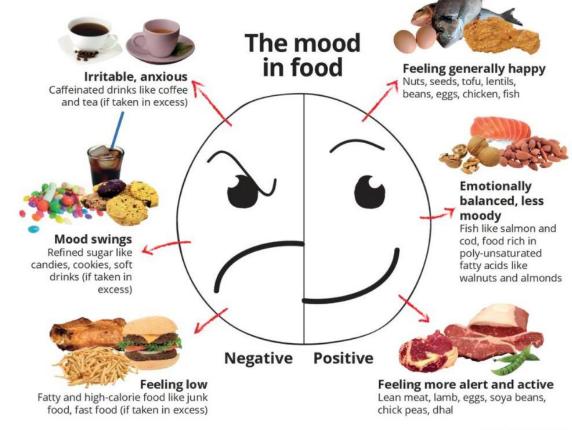
The effect of food on mental health

- August 2020
- Revista Internacional de Educação
 Saúde e Ambiente 3(2):1-17

DOI: <u>10.37334/riesa.v3i2.36</u>

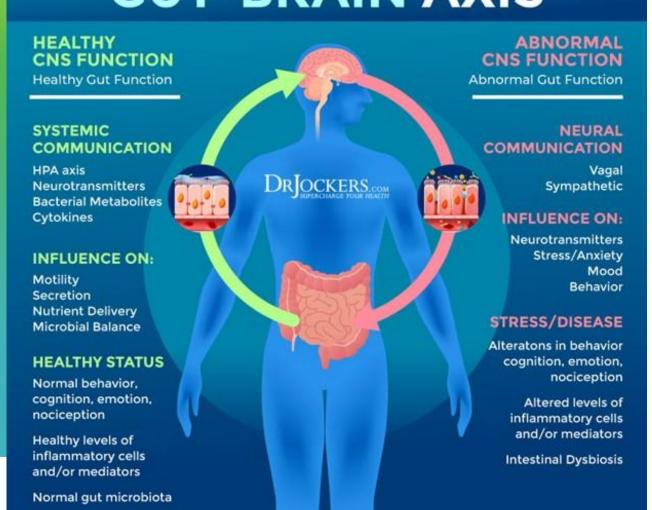
Authors: Elena-Teodora Constantin

and Sandra Fonseca



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GUT-BRAIN AXIS



CNS Central Nervous System

HPA

The hypothalamic-pituitary-adrenal (HPA) axis describes a complex feedback system of neurohormones that are sent between the hypothalamus, pituitary gland, and adrenal glands. This negative and positive feedback system regulates the physiological mechanisms of stress reactions, immunity, and fertility

Depression and the food connection



Doctors have stopped believing that 'chemical imbalance' causes depression. They didn't tell us (msn.com)

Anxiety and the food Connection



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Link Between Trauma & Nutrition

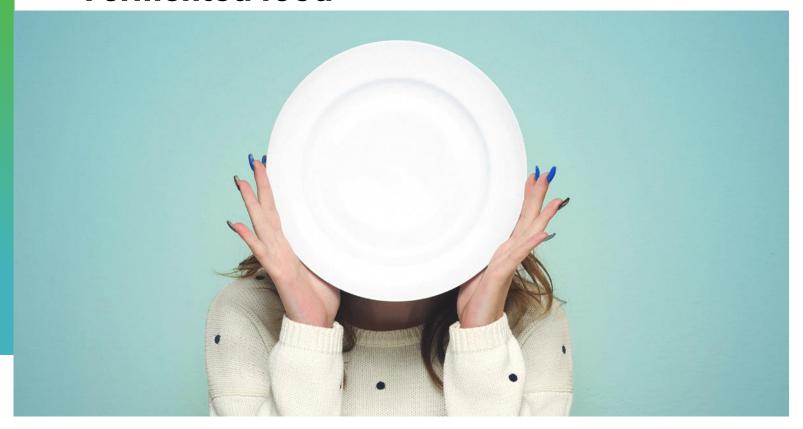
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- + -15 million in the US
- + -Early onset about Age 13

Social anxiety

Fermented food



OCD





Thank you

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