

THE IMPORTANCE OF THE MICROBIOTA IN MOOD

INTRODUCTION



One out of five people will suffer from a mood disorder in their lifetime
Increasing significantly in the case of people with pathologies

OBJECTIVES

To review if there is scientific evidence of the relationship between the state of a person's intestinal microbiota and his mood.

- To determine the composition and functioning of a healthy intestinal microbiota
- To know how certain factors influence the microbiota
- To explain the functioning of the gut-brain axis
- To define the state of well-being and the importance of serotonin

WHAT IS MICROBIOTE?



Ecosystem composed of: fungi, viruses, protozoa and, above all, bacteria, which maintain a permanent dialogue with the fundamental systems of the human body

Each person has a unique composition.
Healthy microbiota consists of: *Bacteroides* and *Firmicutes* in 90%, and *Actinobacteria*, *Verrucomicrobia* and *Fusobacteria*

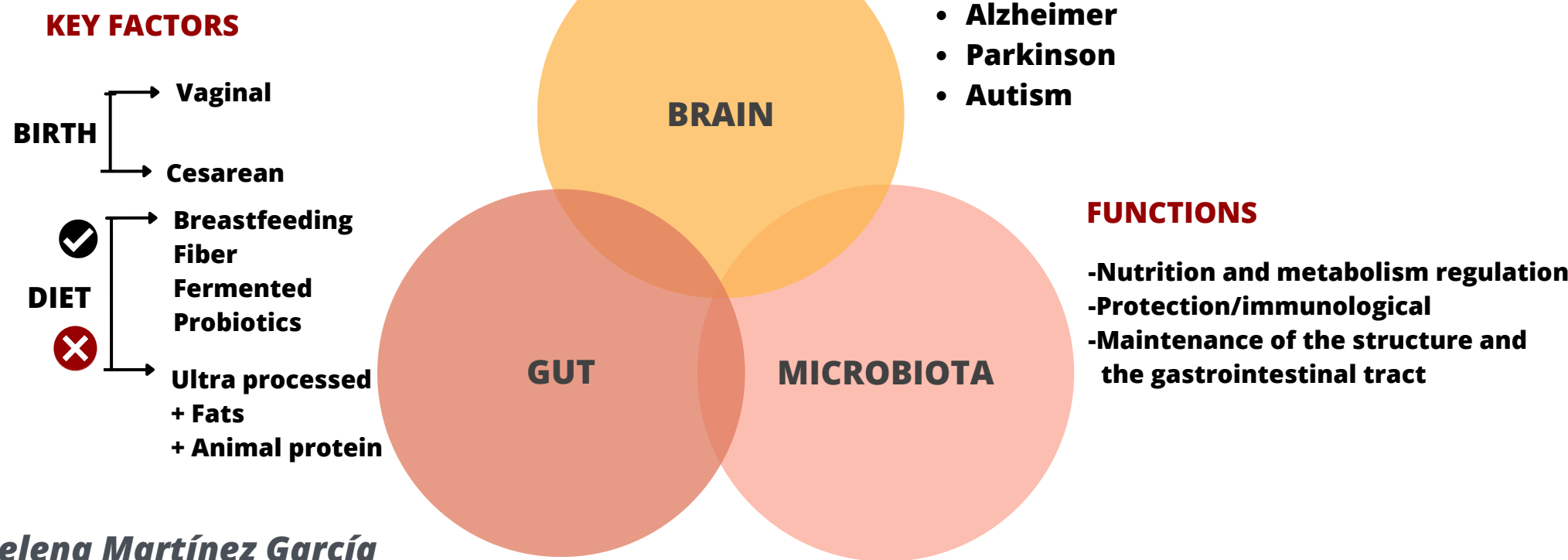


Table 1. Compilation of studies that show a relationship between mood and microbiota

REFERENCES	RELATION MICROBIOTA - MOOD
Sáez & Fundació Alícia, 2022	Lactic ferments- brain regions emotions
Sánchez-Villegas et al., 2012	Food type and depression
Valles-Colomer et al., 2019	Depression and dysbiosis (<i>Coprococcus</i> & <i>Dialister</i>)
Dinan & Cryan, 2013; McMaster University, 2011	Depression and anxiety - microbiota composition
Mazier et al., 2021	<i>Christensenella minuta</i> as a treatment for depression and anxiety

CONCLUSIONS

- ✓ The intestinal microbiota plays a **fundamental role** in our lives
- ✓ Relationship with neurodegenerative diseases
- ✓ Existence of a **connection** between mood and the state of the microbiota
- ✓ Probiotics as a strategy for treatment and/or prevention in many pathologies

BIBLIOGRAPHY

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