

# Intestinal Microbiota and Libido Transplant

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## Abstract

We feel extraordinarily satisfied to receive the clinical status of a 37-year-old inhabitant of the European Union, who tells me; "I have been able to reintroduce many foods. I don't cook them as much anymore; more energy, increase of 15 kilos in weight. Postural improvement, and increased libido.

Today, 2 months ago, we carried out total Microbiome Restitution, which consisted of two weeks with parenteral, peripheral feeding, a first transfaunation by panendoscopy and microbiota deposition in the jejunum, duodenum and stomach, followed by colonoscopy with deposition of microbiota throughout the colon; ending with transfaunation of donor urine into the patient's bladder. A second transfaunation two days later with the same procedure as the previous one. A third transfaunation, two days later with deposit of donor gastroduodenal fluids, in the patient's jejunum, duodenum and stomach and, finally, a fourth transfaunation three days later, of donor gastroduodenal fluids, in the patient's jejunum, duodenum and stomach, concluding with transfaunation of donor urine into the patient's bladder.

The patient had started seven years ago and had been diagnosed with: Possible Crohn's disease. Jejunoileitis, with multiple jejunal ulcers (Capsule endoscopy: 3). Sub-clinical hypothyroidism. Multiple food allergies (different meats, fish, eggs, milk, cereals, fruits and vegetables). Low weight. Gilbert syndrome. Lymphoid follicular hyperplasia in Colonoscopy. Chronic kidney failure, mild. Chronic hypertransaminasemia. Mild leukopenia and thrombopenia. Positive serology against Leishmania: Seasonal rhinoconjunctivitis due to allergy to grass and olive pollen. Gluten allergy. *Helicobacter pylori* (Eradicated). Left ankle and knee surgeries (This last three times). Maternal history of autoimmune thyroiditis.

During follow-up, the patient reported "I had to repeat the transfaunations, because I had stagnated. Fortunately, they have allowed me to improve"

**Keywords:** intestinal microbiota transplantation (**imt**); erectile dysfunction (**ed**); transfaunations (**tr**); microbiome (**micr**); intestinal microbiota (**im**)

## Introduction

Without a doubt, more diseases appear every day that can be reduced with Microbiota Transplantation from different regions; Although some of the cases are handled as hypotheses [1], we consider that transplantation is a reality, especially when different microbiomes (**MICR**) are involved in the management. Among the morbid processes that **MICR** modulation can affect are numerous, including diabetes, stress, anxiety, high blood pressure, as well as sexual hormonal disorders - of enormous importance for good health mental.

It has been proposed to investigate the relationship that exists between the **MICR** and the circumstances

that affect human sexuality. First of all, we must consider what microorganisms there are in both vaginal and seminal fluids; There is therefore a strong connection between them, a relationship that reflects a series of coincidences [2]. Among them are the regulation of the immune system, the nervous system, the synthesis of vitamins, and above all defense actions [3]. The close communication between reproductive biology and the various **MICR**s has been noted [4]. Our time is really exciting, being able to observe how oxidative stress, inflammation, depression, and undoubtedly the intestinal microbiota (**IM**) act, bringing this knowledge to Erectile Dysfunction (**ED**) [5]. Who has not heard the

words of Hippocrates, when referring to the fact that everything begins in the intestines. In ED there is less bacterial diversity, which is extremely significant [6].

## Comments

Given the eventualities detected by numerous researchers, we considered it advisable to carry out a multitreatment, involving several MICRs in the context of a condition full of comorbidities. Or, are they just a reflection of a single cause? Dysbiosis [7]. Therefore, this disorder is the specific cause of various alterations, as occurs in benign prostatic hyperplasia. Li G and her group [8] detected very different signatures in their analysis, which could be used in future research in relation to the sexual desire of human beings. Likewise, Bacteroidetes and Firmicutes affect mental health, through the famous gut-brain axis [9]. Male infertility is attributed, in part, to Intestinal Dysbiosis, in carriers of Diabetes Mellitus type 1 (DMT1), improving spermatogenesis and fertility with IMT enhanced with alginate oligosaccharide, through the intestinal microbiota-testis pathway [10]. It is good to know that IM in the reproductive system is usually stable, but when dysbiosis appears it can affect the quality of the gametes, the formation of the zygote, the implantation and development of the embryos and increase sensitivity to morbid processes [11].

It has been considered that billions of microorganisms modulate the connection of the gut-brain axis, influencing the nervous and immune systems, as well as gastrointestinal function; relating to diseases such as anxiety, depression and others. Therefore, the usefulness of IMT in its prevention and management has been conveyed [12]. A fact that has been occurring for several years and these microorganisms tend to be a transcendent factor in health-disease and we not only see them act positively in recurrent *Clostridium difficile* infection, but they have enormous promise in other clinical conditions [13]. The gut-brain axis, despite being located in distant places, has close bidirectional communication, through endocrine and metabolic pathways, making the study of IM essential to understand the process and search for procedures that help patients [14]. Methods full of omens, limited by dysbiosis [15]. Without ignoring the role of neurotransmitters, immunological mechanisms, the immune system or bacterial metabolites [16]. IM could adjust erectile

function in men, through hormones, inflammation meters and other processes [17].

## Conclusions

In the present case, where the diagnostic basis is given by an Inflammatory Bowel Disease (Possible Crohn's Disease), it turns out, as has been pointed out in other cases, that IMT usually acts, but not for long. Even though, it was favorable by increasing the weight, which to date has not been lost again. Likewise, the number of foods eaten and especially libido increased [18]. They conclude that although IMT is effective, since it generates an increase in bacterial diversity, more studies are needed. As in other cases, we did not find serious complications, to be regretted, although diarrhea occurred 24 hours later that resolved without medication [19]. The same conclusions were found by Jaramillo and his group [20].

## Declarations

### Conflicts of interest

The authors declare that do NOT have affiliation or participation in organizations with financial interests.

### Ethical approval

This report does not contain any study with human or animal subjects carried out by the authors.

### Informed consent

The authors obtained informed written consent from the patients, in order to develop this article

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