OPINION

Is It Traveler's Gastrointestinal Syndrome (TGS)? Or Is It Traveler's Gut Symbiosis (TGS)?

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ABSTRACT

With the ongoing understanding to evolve acceptance for rechristening medically colloquial terms which may be perceived to contribute towards healthcare disparities locally, regionally, or globally, it may be time to bring "Traveler's Diarrhea" and "Traveler's Constipation" under the umbrella of "Traveler's Gastrointestinal Syndrome" thus reflecting on the etiopathogenetic core which is "Traveler's Gut Symbiosis".

KEYWORDS

Healthcare Disparities; Symbiosis; Diarrhea; Constipation

INTRODUCTION

This is a personal story without any personal details. As on December 11, 2023 searched in Google (Courtesy of Alphabet Inc.), "Traveler's Diarrhea" returned about 806,000 results while "Traveler's Constipation" returned only about 2,510 results. As on December 11, 2023 searched in PubMed (Courtesy of the U.S. National Library of Medicine), "Traveler's Diarrhea" returned about 616 results while "Traveler's Constipation" returned only about 179 results. As on December 11, 2023 PubMed search filtered for MEDLINE (Courtesy of the U.S. National Library of Medicine), "Traveler's Diarrhea" returned about 533 results while "Traveler's Constipation" returned only about 148 results.

Historically, touring travelers documenting their gastrointestinal symptoms might have been traveling from their home-country in the developed world to the developing world and thereafter returning back soon Considering that working travelers with homecountry in the developing world might not have been traveling uncommonly to the developed world historically and thereafter staying longer or permanently, they might lagged documenting in gastrointestinal symptoms thus leaving the overall picture of "Traveler's Gut Symbiosis" (TGS) tainted, incomplete, or even unpainted "Traveler's from the perspective of Constipation".

If society in general needs time for evidencebased medicine to validate and approve the acceptance of term "Traveler's Gut Symbiosis" as the norm, it can at least begin replacing "Traveler's Diarrhea" and "Traveler's Constipation" by bringing them under the umbrella of "Traveler's Gastrointestinal Syndrome" to encompass all "Traveler's Gastrointestinal Symptoms". This terminology may almost be akin to "Irritable Bowel Syndrome" (IBS) which may not discriminating against constipation even if irritability of bowel as a potential misnomer may always bring diarrhea to the reader's mind first. An alternative can be to term "Traveler's Bowel Syndrome" due to "Traveler's Biome Symbiosis" for TBS symptomatology to sound like IBS symptomatology.

Paradoxically, the exponential expansion of gut biome understanding in the developed world followed by the exuberant acceptance of domesticated synbiotics (prebioticsprobiotics) for daily consumption along with squatting facilitating device usage during defecation may end up reversing TGS (TBS) symptomatology while traveling developing world that may still be reeling under the insufferable wild forms of synbiotics absence of cost-prohibitive manufactured and marketed synbiotics as well as the absence of cost-prohibitive squatting facilitating device usage during defecation to mitigate the traditional squatting toilets disappearing and becoming obsolete. This reversal in TGS (TBS) symptomatology may almost be akin to vaccinated travelers from the developed world preemptively protecting themselves while traveling to the developing world that may still be reeling under highly prevalent natural infections thus always reminding that symbiosis can be commensal, mutualistic, parasitic, neutral, competitive and/or predatory.

Anyhow, this is the personal story without personal details about TGS (TBS) while traveling back and forth between family-home country in the developing world and workhome country in the developed world wherein preemptive containment of natural infection-related diarrhea during intercontinental interworld travel may have gone so much

overboard with overzealous synbiotic consumption daily along with squatting facilitating device usage during defecation religiously that constipation during intercontinental inter-world travel may have gotten set in with the pendulum of "Traveler's Gut Symbiosis" maybe swinging too far.

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CONFLICT OF INTEREST

There are no conflicts of interest.

DECLARATION OF GENERATIVE AI AND AI ASSISTED TECHNOLOGIES IN THE WRITING PROCESS

None Used So None to Declare

REFERENCES

- Google Search "Traveler's Diarrhea" https://www.google.com/search?q=%22Traveler%2 75*Diarrhea%22 (Last Accessed Mar 25, 2023)
- Google Search "Traveler's Constipation" https://www.google.com/search?q=%22Traveler%2 75+Constipation%22 (Last Accessed Mar 25, 2023)
- 3. PubMed Search "Traveler's Diarrhea" https://pubmed.ncbi.nlm.nih.gov/?term=%22Travel er%E2%80%99s+Diarrhea%22 (Last Accessed Mar 25, 2023)
- PubMed Search "Traveler's Constipation" https://pubmed.ncbi.nlm.nih.gov/?term=%22Traveler%E2%80%99s+Constipation%22 (Last Accessed Mar 25, 2023)
- PubMed Search: MEDLINE Filter "Traveler's Diarrhea"
 https://pubmed.ncbi.nlm.nih.gov/?term=%22Traveler%E2%80%99s+Diarrhea%22&filter=other.medline
 (Last Accessed Mar 25, 2023)
- PubMed Search: MEDLINE Filter "Traveler's Constipation"
 https://pubmed.ncbi.nlm.nih.gov/?term=%22Traveler%E2%80%99s+Constipation%22&filter=other.medline (Last Accessed Mar 25, 2023)
- Is There Such a Thing as 'Traveler's Constipation'? https://www.nytimes.com/2018/07/13/well/is-there-such-a-thing-as-travelers-constipation.html (Last Accessed Mar 25, 2023)
- Everyone poops weirdly on vacation https://www.washingtonpost.com/travel/2022/05/ 05/travelers-diarrhea-constipation-advice/
 Accessed Mar 25, 2023)
- Traveler's constipation https://pubmed.ncbi.nlm.nih.gov/12591084/ (Last Accessed Mar 25, 2023)
- 10. [Risk of disease in 10,500 travelers to tropical countries and 1,300 tourists to North America]

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- https://pubmed.ncbi.nlm.nih.gov/705301/ (Last Accessed Mar 25, 2023)
- Symbiosis: Commensialism, Mutualism, Parasitism, Neutralism, Competition & Predation https://www.wildlifeact.com/blog/symbiosis-commensialism-mutualism-parasitism-neutralism-competition-predation/ (Last Accessed Mar 25, 2023)
- 12. Disruption of Circadian Rhythms and Gut Motility: An Overview of Underlying Mechanisms and Associated Pathologies https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility https://journals.lww.com/jcge/fulltext/2020/05000/disruption of circadian rhythms and gut motility
- 13. Characterization of the human gut microbiome during travelers' diarrhea https://www.tandfonline.com/doi/full/10.1080/19 490976.2015.1019693 (Last Accessed Mar 25, 2023)
- Impact of international travel and diarrhea on gut microbiome and resistome dynamics https://www.nature.com/articles/s41467-022-34862-w (Last Accessed Mar 25, 2023)

- A Pilot Study of the Effect of Deployment on the Gut Microbiome and Traveler's Diarrhea Susceptibility https://www.frontiersin.org/articles/10.3389/fcimb.
 .2020.589297/full (Last Accessed Mar 25, 2023)
- 16. Changes to human faecal microbiota after international travel https://www.sciencedirect.com/science/article/pii/51477893921002404 (Last Accessed Mar 25, 2023)
- 17. Implementation of a Defecation Posture Modification Device: Impact on Bowel Movement Patterns in Healthy Subjects https://journals.lww.com/jcge/fulltext/2019/03000/implementation of a defecation posture.21.aspx (Last Accessed Mar 25, 2023)
- 18. The Best Squatty Potty and Other Toilet Stools Worth the Floor Space https://www.nytimes.com/wirecutter/reviews/squatty-potty-review/ (Last Accessed Mar 25, 2023)
- Scientists Say This Popular Bathroom Accessory Really Does Help You Poop Better https://time.com/5498225/squatty-potty-study/ (Last Accessed Mar 25, 2023)