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STERILE ORGANIC MATTER MAY PRODUCE MICROBES

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ABSTRACT

Background: Opportunistic infections are infections caused by pathogens that take advantage of humans with compromised immune system. First microorganisms on earth were born from sterile organic matter and a recent experimental study indicated that sterile eggs kept in sterile conditions in ambient temperatures showed evidence of spoilage and fermentation. **Objective:** The aim of this study is to demonstrate that microorganisms may derive from sterile organic matter. *Methods:* Three intact eggs in a tightly closed jar were sterilized using standard 2,450-MHz microwave irradiation for 5 minutes, were placed outdoors in ambient conditions for three weeks and were shipped to Anresco labs in San Francisco, CA. **Results:** A jar /eggs without shells: 670 million Bacillus Pumilus. Discussion: The emergence of 670 million Bacillus Pumilus. from microwave sterilized eggs are consistent with the results of our previous study of spoilage and fermentation of sterile eggs suggesting that sterile organic matter may produce microorganisms. Future studies to validate our findings are necessary. **Conclusion:** Sterile organic matter may produce microorganisms consistent with the hypothesis that some infections are endogenous.

KEYWORDS: Opportunistic infections; endogenous infections; burn wound infections; Origin of life; infections.

BACKGROUND

Opportunistic infections are infections caused by pathogens that take advantage of humans with compromised immune system. Often, they are associated with people receiving immunosuppressive drugs or patients with altered microbiome or victims of penetrating traumas or severe burns. Many of the causative pathogens of opportunistic disorders do not necessarily cause disease in healthy humans who do not have compromised immune systems.

Recent studies have elucidated new insights into the pathways of opportunistic infections that develop independent of contamination and are endogenous.

- 1. First microorganisms on earth were born from sterile organic matter. [3]
- 2. An experimental study indicated that sterile eggs kept in sterile conditions in ambient temperatures showed evidence of spoilage and fermentation. [4]

Objective

The aim of this study is to demonstrate that microorganisms may derive from sterile organic matter.

Methods

Three intact eggs in a tightly closed jar were sterilized using standard 2,450-MHz microwave irradiation for 5 minutes.^[5] were placed outdoors in ambient conditions for three weeks and. were shipped to Anresco labs in San Francisco, CA.

Samples were planted from a -4 to 8 -dilution in anticipation for high counts. No growth in lowest dilution is reported in less than 10,000 cfu/g.

There may be many different types of organisms on each of the agar. Only one colony of sample plate was submitted to Midi labs for DNA sequencing.

RESULTS

A jar /eggs without shells 670 million Bacillus Pumilus.

DISCUSSION

The emergence of 670 million Bacillus Pumilus. from microwave sterilized eggs are consistent with the results of our previous study of spoilage and fermentation of sterile eggs suggesting that sterile organic matter may produce microorganisms. We can not rule out" contamination" as the causative influence

The eggs were sterilized by a "home-type" microwave oven (2.45 GHz) which was reported to completely inactivate bacterial cultures, mycobacteria, viruses, and *G. stearothermophilus* spores within 60 seconds to 5 minutes.^[5] However ,it has been suggested that higher power microwaves in the presence of water may be needed for total sterilization.^[5] However these findings are consistent with the evidence that life began from sterile organic matter.

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CONCLUSION

Microwave sterilized eggs may produce microorganisms and supports the hypothesis that some opportunistic infections are endogenous and may derive independent of contamination.

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