

HARNESSING THE HEALING POWER OF MILK EXOSOMES



Inspired by the virtues of mother milk and its unique health properties, EXOSOMM is developing novel medical food based on natural milk exosomes

Exosomes

are nanoparticles naturally present in mammalian milk and are beneficial to human health and immunity since they contain and protect short chains of RNA's that regulate the gene expression process.

IBD

Inflammatory Bowel Diseases, a category of chronic diseases, including Crohn's disease and ulcerative colitis. 70% of the patients have medical complications, 50% require surgical intervention, and are at high risk of developing cancer. IBD is currently incurable, only symptomatic treatments such as steroids or injections of biological treatments are available, with many adverse effects, and poor quality of life for these patients.

Exosomm's proprietary solution

Following years of research at Hadassah-Hebrew University, Professor Reif and his team developed a proprietary method for the isolation of mammalian milk exosomes. EXOSOMM develops a proprietary formula containing milk-derived exosomes with proven anti-inflammatory properties. EXOSOMM's formula reduces IBD inflammation scores and prolongs remission periods, naturally and without side effects.

Intellectual Property

Granted US patent
2 pending patent applications at national phase



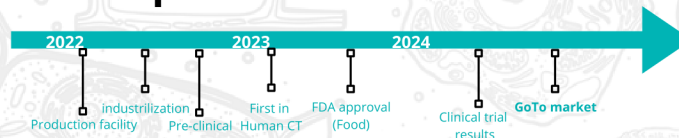
Achievements

- Characterizing of milk exosomes, miRNAs functionality, and isolation methods
- Successful pre-clinical trials showing attenuate the severity of IBD
- Raised \$1M from Galil Ofek incubator & Israeli Innovative authority
- Promising pilot production with a leading dairy

Competitive Advantages

Exclusive solution: proprietary and patent-protected production method and formula containing milk exosomes. The only food solution for IBD patients contains an active anti-inflammatory ingredient.
Regulatory: a natural food ingredient with a short regulatory approval pathway.

Road Map



Team

Netta Granot - CEO - Food engineer and Innovation leader
Prof. Shimon Reif, MD - CMO - Gastroenterology expert
Regina Golan-Gerstl, PhD - CTO - Biomolecule and exosome expert
Yaffa Elbaum Shiff, PhD - COO - Nutrition expert and exosomes researcher
Tali Feldman-Sivan, PhD - Chief Strategy Officer & Board Member
Yigal Galli - Board Chairman



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