



PHARMACEUTICAL SOLUTIONS WITH ORAL ADMINISTRATION FOR SYMPTOMS ALLEVIATION AND REDUCTION OF SIDE EFFECTS INDUCED BY ONCOLOGICAL THERAPY



A Bleak Diagnosis...

Cancer pathology



2nd cause of **DEATH** worldwide

6th most
common

500.000
new cases
G/ Year

100.000
NEW Cases
In Ro in
2020

Head and neck cancer

Side
effects



- Pain
- Altered Quality of life
- Oral Mucositis (OM)
- Infection risk
- Affected wound healing

Oral Mucositis



Painfull



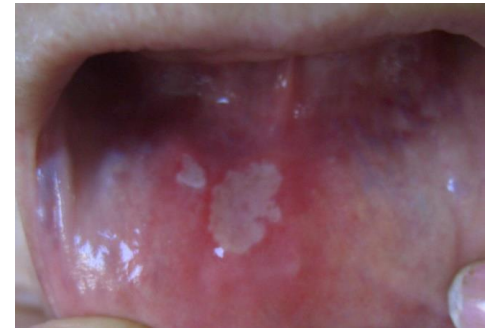
Inflammatory



Ulcerative



Distressing



**Acute Side
Effect of
Cancer**



Oral Mucositis

Effective Treatment Still Elusive



Product Proposal

QUICKLY ASSESS Multiple
Oral Dysfunctions of Patients

Addresses the **SPECIFIC**
NEEDS of patients

**Screening
Tool**

**Oral
Solution**

RELIEVE PAIN

**ANTI-
INFLAMMATORY**

BACTERICIDE

FUNGICIDE

ANTI-OXIDANT

**STIMULATE AND MAINTAIN A
WELL-BALANCED ORAL CAVITY**

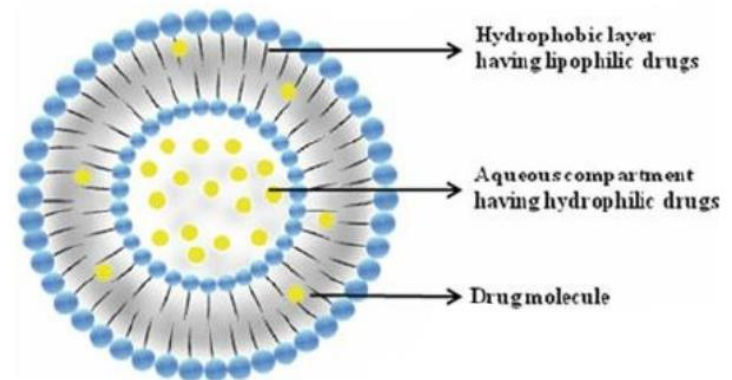
Our Solution - Ora-Relief

ORAL SOLUTION

- **Reduces toxic** side effects of cancer therapy
- **Enhanced** stability
- **Provided efficient oral delivery**
- **Slow drug release**
- **Remain active** in the administration site



NIOSOMES



COMPETITORS

- **Gelclair Oral Gel for mucositis, Helsinn** – Anesthetic, Antiseptic
- **Oncosupport Oral Gel, Eminvest Pharmaceuticals** – Hyaluronic acid + Aminoacids + Glycyrrhetic acid
- **Mucosamin Spray, Professional Dietetics** – Hyaluronic acid + Aminoacids
- **Caphosol, Eusa Pharma** - Electrolitic solution
- **GelX Oral Spray, Bmg Pharma** – Aminoacids, Antioxidants, Antiseptic
- **Citrolin Mouthwash, Pharco** – Anesthetic, Antiseptic
- **Spray with Propolis (various brands)**
- **Coloidal Silver (various brands)**
- **Various Essential oils**

Ora-Relief vs. COMPETITORS

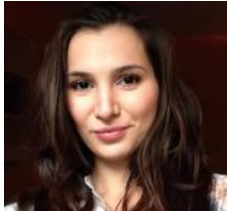
	Ora-Relief	Gelclair	Oncosup port	Mucosamin	Caphosol	GelX	Citrolin
Pain management	+	+	-	-	-	-	+
Action time	+	+/-	+/-	-	-	-	-
Antioxidant	+	-	-	-	+/-	+	+
Antibacterial	+	+	+	-	-	+	+
Antifungal	+	+	-	-	-	+	+
Regenerative	+	-	+	+	+/-	+/-	+/-
Stability	+	+/-	+/-	+/-	-	+/-	+/-
Efficient delivery	+	+/-	+/-	-	-	-	-

Published research

- Martu, M.A., Maftei, G.A., Foia, L.G, et al. Evaluation of oxidative stress before and after using laser and photoactivation therapy as adjuvant of non-surgical periodontal treatment in patients with rheumatoid arthritis. *Antioxidants*, 2021, 10(2), p.226.
- Martu MA, Maftei GA, Foia LG et al. Wound healing of periodontal and oral tissues: Part II—Patho-physiological conditions and metabolic diseases. *Rom. J. Oral Rehab.* 2020 Jul;12:30-40.
- Martu MA, Maftei GA, et al. The Effect of Acknowledged and Novel Anti-Rheumatic Therapies on Periodontal Tissues—A Narrative Review. *Pharmaceutics*. 2021 Dec;14(12):1209.
- Maftei GA, Martu MA, et al. Microbiologic profiles of patients with dental prosthetic treatment and periodontitis before and after photoactivation therapy—Randomized clinical trial. *Microorganisms*. 2021 Apr;9(4):713.
- Foia L. et al., Malignant degeneration of scars. *Cancer Management and Research*. 2020;12:10297.
- Profire L. et al., An overview of biopolymeric electrospun nanofibers based on polysaccharides for wound healing management. *Pharmaceutics*. 2020 Oct;12(10):983.
- Profire L. et al., Recent biomedical approaches for chitosan based materials as drug delivery nanocarriers. *Pharmaceutics*. 2021 Apr;13(4):587.

OUR TEAM

Extensive clinical and fundamental experience



- **Assist. Prof. Dr. Martu Maria Alexandra – Team leader, Developer, Research**



- **Assist. Prof. Dr. Maftai George Alexandru – Oral Pathology, Clinician, Bussiness**



- **Prof. Univ. Dr. Profire Lenuta - Pharmacology**



- **Prof. Univ. Dr. Foia Liliana - Biochemistry**

Business model

- Directly to hospitals
- Directly to doctors
- Private clinics
- Pharmacies
- Recovery centers
- Online purchase
- **Patients**

Cancer survivors



- Unseen Heroes
- Friends
- Family
- ...

HELP US HELP



FINANCIAL SUPORT

200.000 €

- Development
- Testing
- Market release

PARTNERS - Commercial

Offer Relief – Give Hope – Change Outcome

Thank you!

