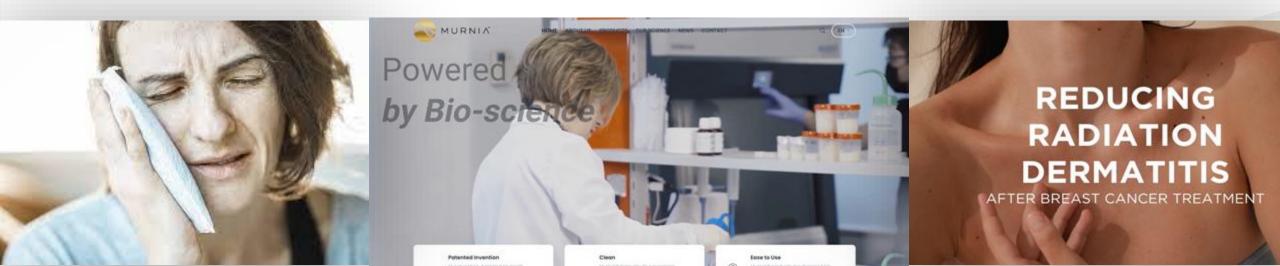


$UM \wedge Y \wedge N \wedge$

Prevent & Treat Severe Wounds

for a better quality of life / to enable treatment focus



The Problem:

#1 side effect of chemo/radiotherapy - with no effective solution Oral Mucositis & Radiodermatitis







Grade 3

Grade 4





Grade 3

Grade 4

Problem Getting Bigger: Global Cancer rates are rising, up 60%



Patients:
Extreme pain, Opioids
Malnutrition, Cancer progression



Practitioners:
High incidence, No solution
- 80-100% of HN Cancers
- 40% of all Cancers
Break or modify treatment



Providers:
Cost, Hospitalization
-\$37,000-\$70,000/RT patient

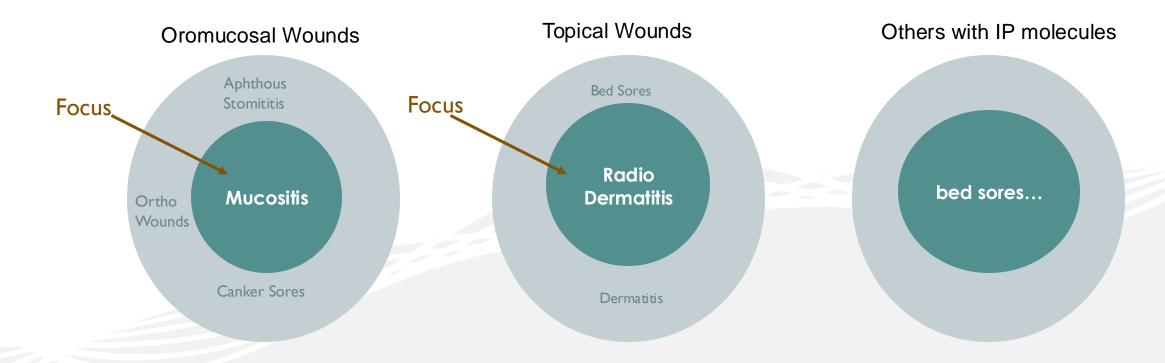
-\$3700/chemo cycle

Solution:

Our Patented Invention - Molecular Compound



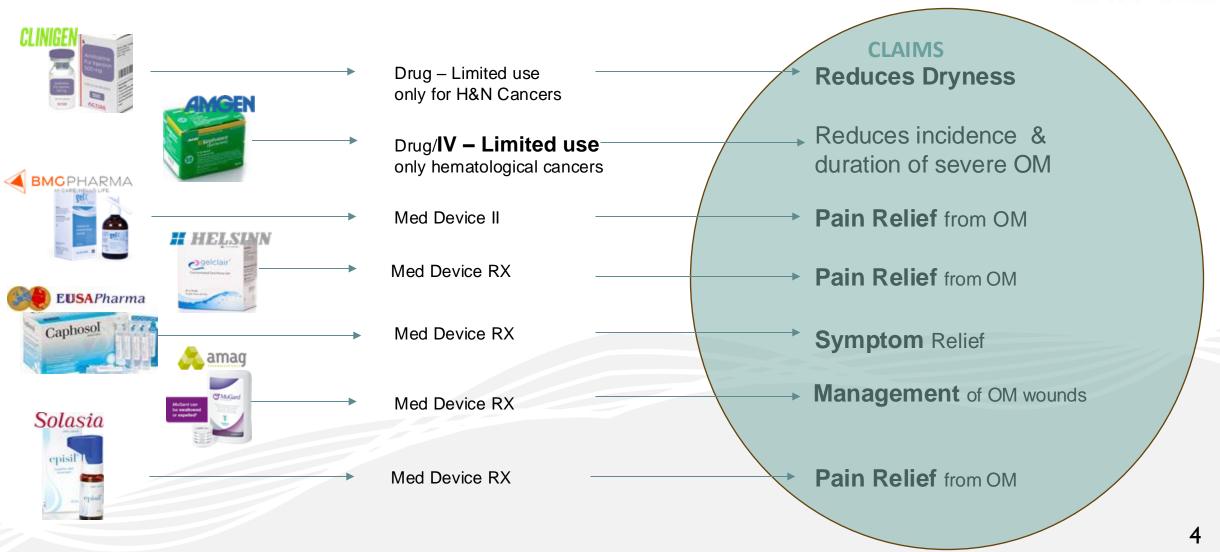
- USPTO-EPO-TPO Patent and Trademark
- Unique wound prevention and treatment properties, clean
- Can be formulated into a variety of wound products
- Global Patent: WO2020072987 USA Patent: 11331360 (B2)



No effective prevention or treatment for mucositis







Murnia™ First/Only To Offer Prevention

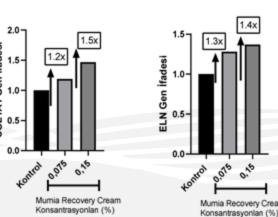


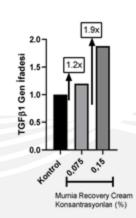
- Patented molecular compound ACTIVE
- Proven multi-faceted mechanism of action
 with preventative & healing properties
 - Regenerative capability.
 - ROS scavenging effect
 - Anti-inflammatory & antimicrobial
 - PH Level
- Clean formulations SAFE
- Easy (apply 4 times a day)



In Vitro Testing:

Antimicrobial, antifungal, analgesic. Regenerative: Stimulates collagen & elastin synthesis at stratum basale.





Awards & trial that shows prevention



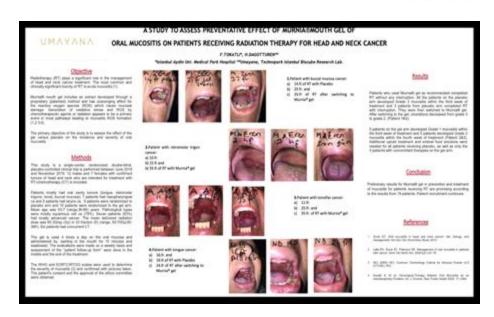
BY

UMAYANA

Double Blind, Placebo Controlled Clinical Trial

(H&N Cancer Patients, RT and Concomitant Therapy)

- No Grade 3 or 4 progression in Murnia cohort vs. placebo.
- No break in treatment
- No opioids. No side effects
- 1. I.A. of Oral Oncology, World Congress 2019, Rome, Italy
- 2. MASCC/ISOO, Annual Conference 2022, Toronto, Canada
- 3. International Radiation Oncology Congress -2023 Türkiye



Over 620 patient use cases-Turkey













Milestones Accomplished





- ✓R&D, Formulations, Final Products
- ✓ Patented US/EU/TR
- ✓ Proven Product Efficacy: Trials & Use Cases in TR
- √ Manufacturing Scale Up
- √CE Certification Class 1- EMA
- ✓TR Distribution agreement

Umayana Team: Innovation and R&D expertise

Hulya Dagotturen
PhD, Biochemistry
Abbot, Bayer, Yeditepe University
Board Member for ISEK (EU Health Compliance)
Member of European Innovation Council,
Women Tech EU Award











Gulbin Muftuoglu
GM Exec, Marketing, Innovation
Johnson & Johnson; Unilever, Nestle, Startup



Linda Deeken Strategy Consulting, HBR Cambridge Group, Nielsen, Startup



Fusun Tokatli Prof. Radiation Oncology & DDS/Medical Advisor Team



Addressing the Needs of a Conservatively €2.5 Billion and Growing Market





Mucositis/Radio Dermatitis/Xerostomia-~\$2.5 billion

Newly Diagnosed Patients Annually:

- Head & Neck Cancer: 1.9M
- Breast Cancer: 1.8M
- Blood: 0.4M
- All other: 10M

Treatment Assumptions:

- Radiotherapy: 50% in all cases, except Head &Neck = 75%
- Mucositis, Dematitis Rate: 40% in all cases, except Head & Neck = 90%
- 3 doses of Murnia Pre, During and Post treatment



Total Mucositis / Dermatitis Market

- Head & Neck Cancer: €950MM
- Breast Cancer: €150MM
- Blood: €25M
- All other: €1.3B

Top Markets:

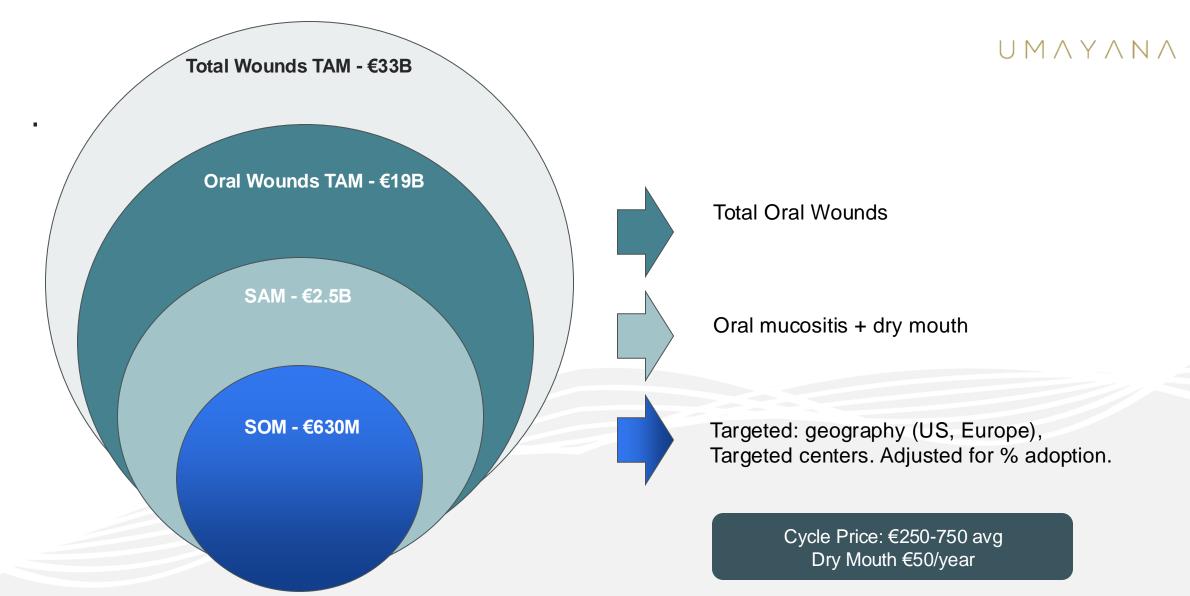
- Western Europe:€420MM
- US: €350MM
- China, India:€1.1B

Region	RT Centers Equipment per million population	
Global	7,352	1.913
North America	2,015	10.751
Mexico and Central America	120	1.167
Tropical South America	356	1.704
Temperate South America	119	2.812
Caribbean	47	1.882
Western Europe	1,077	6.923
Eastern Europe and North Asia	444	2.571
North Africa	124	1.186
Middle Africa	38	0.072
Southern Africa	65	1.384
Middle East	281	1.699
South Asia	447	0.442
East Asia	1,936	1.879
Southeast Asia	172	0.58
Southern and Western Pacific	111	6.045

Murnia Available Market Assuming 5-30% Market Penetration Across Key Markets based on RT Center Distribution:

The Business Opportunity is Large







Next Big Milestone(s)



Many Milestones Achieved

- √ R&D, Formulations, Patents
- ✓ CE Certification, Market Ready Products
- ✓ Market Feedback (Trials, Use Cases)
- √ Supply Chain/ Standardization
- ✓ Pilot and Manufacturing Scale Up
- ✓ Manufacturing, Marketing & Distribution agreement for a test market launch (Turkey)

Minimal External Funding (<150,000). No equity funding

- 1. Expanded Clinical Trial (global adoption)
- 1. EMA MD Class II Registration
- 2. Global Partnership(s)

Spending:

- Clinical trials
- CE II medical device certification
- Team and market expansion to Europe
- Strategic partnership and cooperation with the medical sector for selling our products

Need: €1.5-2.0MM, 18 months



THANK YOU

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