

ONDINE BIOMEDICAL INC.

Management Update

June 2022

Forward-Looking Statements

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This presentation may contain forward-looking statements that reflect the Company's current views and expectations regarding future events. In particular certain statements with regard to management's strategic vision, aims and objectives, the conduct of clinical trials, the filing dates for product license applications and the anticipated launch of specified products in various markets, the Company's ability to find partners for the development and commercialisation of its products as well as the terms for such partnerships, anticipated levels of demand for the Company's products (including in development), the effect of competition, anticipated efficiencies, trends in results of operations, margins, the market and exchange rates, are all forward looking in nature.

Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those expressed or implied by the forward-looking statements. Although not exhaustive, the following factors could cause actual results to differ materially from those the Company expects: difficulties inherent in the discovery and development of new products and the design and implementation of pre-clinical and clinical studies, trials and investigations, delays in and results from such studies, trials and investigations that are inconsistent with previous results and the Company's expectations, the failure to obtain and maintain required regulatory approvals, product and pricing initiatives by the Company's competitors, inability of the Company to market existing products effectively and the failure of the Company to agree beneficial terms with potential partners for any of its products or the failure of the Company's existing partners to perform their obligations, the ability of the Company to obtain additional financing for its operations and the market conditions affecting the availability and terms of such financing, the successful integration of completed mergers and acquisitions and achievement of expected synergies from such transactions, the ability of the Company to identify and consummate suitable strategic and business combination transactions, and the risks described in our most recent Admission Document.

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Our Business at a Glance

We are a life sciences company at the forefront of development of photodisinfection-based therapies to address the large and growing need for solutions to a broad spectrum of infections.











Solid foundation

>10 years developing photodisinfection technology



Proven

>70% reduction in HAIs in Vancouver



Regulatory approval

CE Mark in the EU
Health Canada approval
Phase 2 in progress in USA
QIDP, Fast Track accelerators

Continued Growth, Strong Future

Ramping Up
Commercial Adoption

137%Revenue CAGR
2019 - 2021



389%

Manufacturing

Increase in production

Advancing Clinical Programs







Corporate Milestones

\$37.7m

Equity Raise
Listing on AIM Market

\$0 Debt at year-end

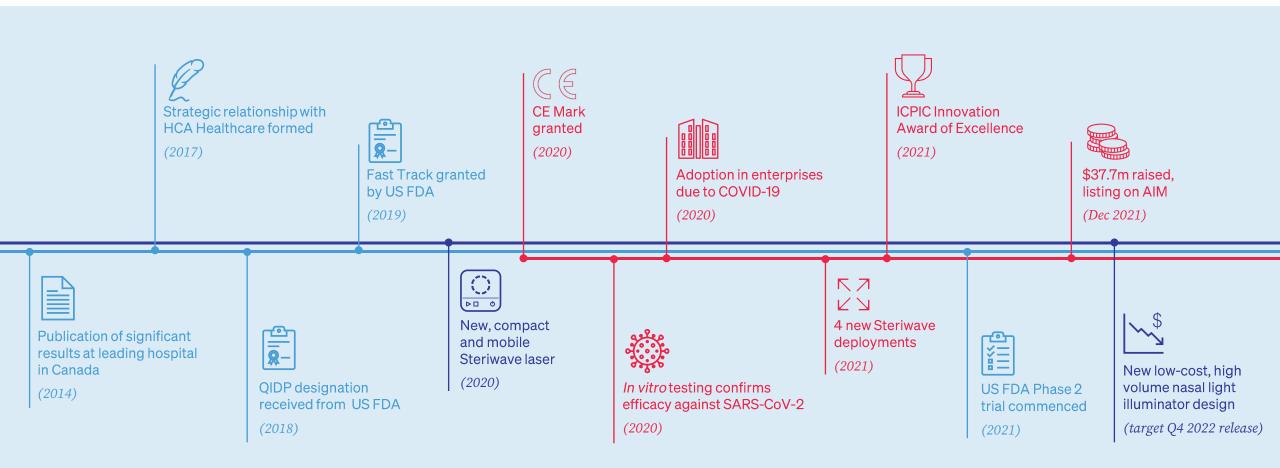


Major Milestones



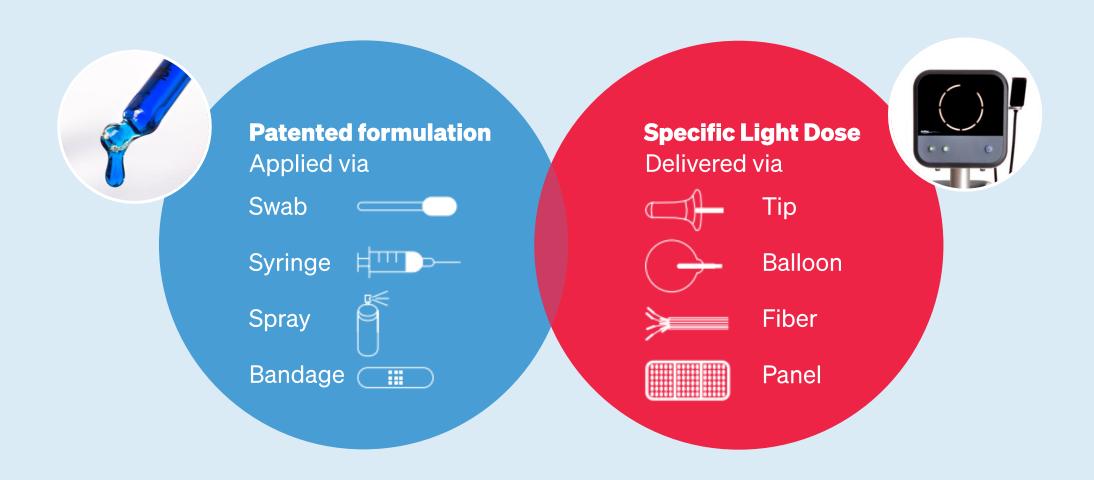






ONDINE'S PHOTODISINFECTION TECHNOLOGY

One platform, many applications



How It Works



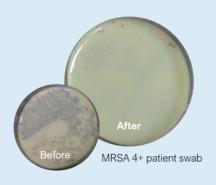
Application

Apply photosensitizer to target area



Activation

Illuminate the area



Results

Rapid antimicrobial and anti-inflammatory results





Reactive oxygen species destroy microbes

Disruptive, non-antibiotic platform



Unique photonic solution to the HAI crisis

Product Pipeline



One platform, many applications

- Prevent serious infections
- · Decrease morbidity and mortality
- Effective against superbugs
- Non-antibiotic approach
- · Excellent cost-benefit ratio

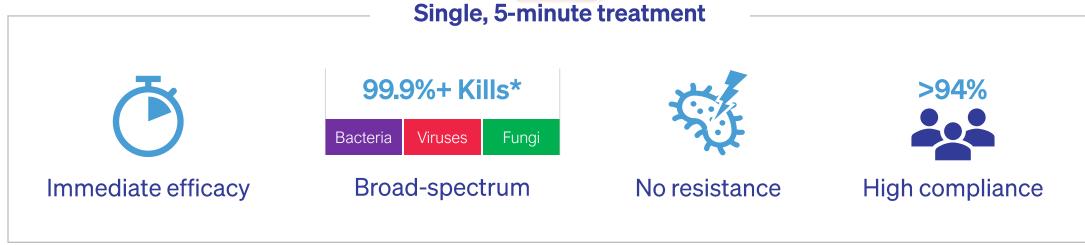
70+ patentsGRANTED & PENDING

	Therapy Area	Development	Human Trials	Aı	pprove	ed
PREVENTION				*		
Steriwave™	HAI (nasal decolonization)			> ✓	✓	*
	COVID-19 / Influenza (upper airway decolonization)					
OND1002	Ventilator-associated pneumonia (VAP) (endotracheal tube decolonization)					
OND1003	Burns (burns decolonization)					
Uriwave™	CAUTI (urinary catheter decolonization)					
TREATMENT						
Sinuwave™	For chronic sinusitis			✓		
OND1004	For chronic wounds					
OND1005	For chronic ear infections					

^{*}Active IND with US FDA, granted QIDP and Fast Track status, undergoing US Phase II clinical trial.

Compelling Value Proposition





Competitive advantages:

FASTER ALL PATHOGENS MORE RELIABILITY

BETTER OUTCOMES

Immediate Efficacy



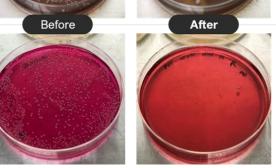
Steriwave

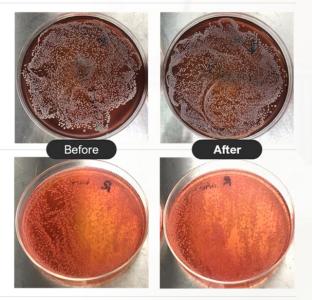


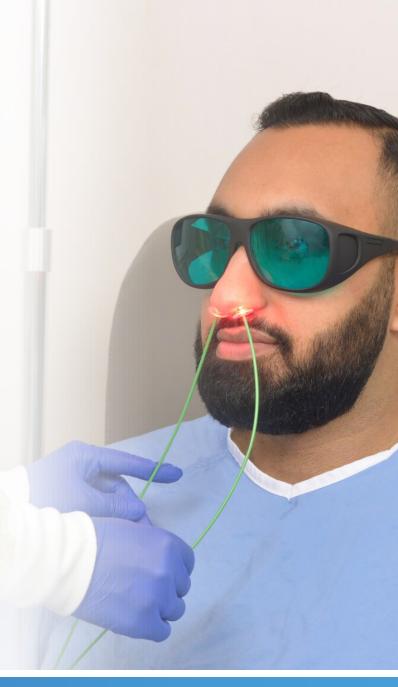
Broad-spectrum (Blood Agar)



Staph aureus (Mannitol Salt Agar)







Compelling Decade of Results

Vancouver General Hospital (VGH) surgical site infection rate



ANNUAL PHARMACOECONOMIC IMPACTS*



Extrapolating to US Hospitals

In the US:

2.76%

Average SSI rate

\$20k Average SSI cost

\$552

Preventable cost *Per surgical patient*



342% ROI

\$171
Net savings
Per surgical patient



783% ROI

\$392

Net savings

Per surgical patient



Market size / opportunity



Specialty clinics

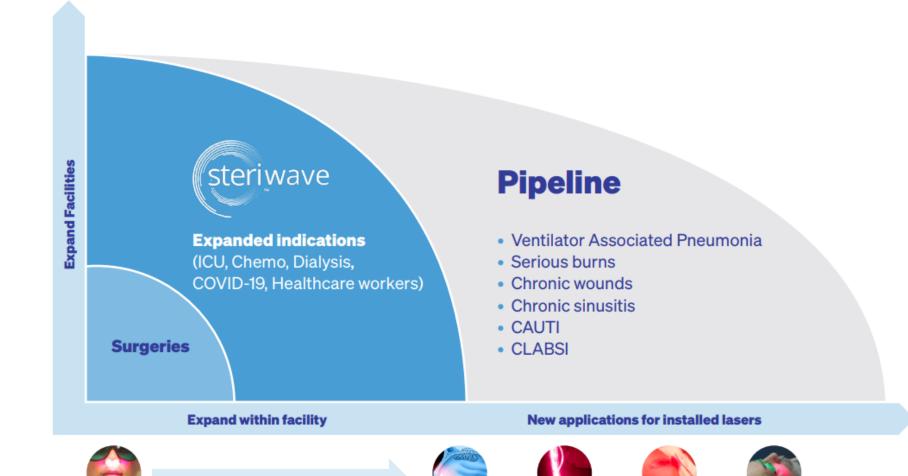


High-volume surgical centres



Large health systems and premier hospitals







Phase 2 Progress / Phase 3 Plan

PHASE 2



PATIENT RECRUITMENT

On target to complete mid-year

- ✓ Recruitment rate exceeding 70%
- ✓ No SAEs (serious adverse events)
- ✓ Hospital integration experience critical for Phase 3
- √ Strong corporate HCA support

PHASE 3



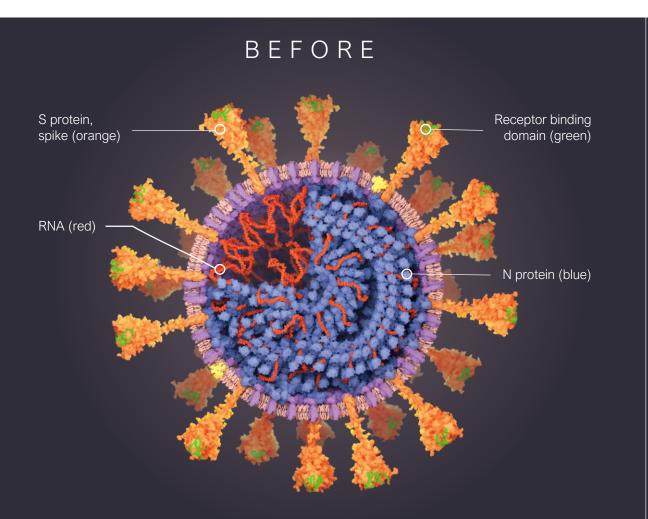
PENDING REGULATORY FEEDBACK

Planned for Q4

- ✓ Contract Research Organization (CRO) selection complete
- Study protocol development nearing completion
- ✓ EOP2 submission under development

US FDA accelerators granted: Qualified Infectious Disease Product (QIDP) status and Fast Track

Successful COVID-19 Program

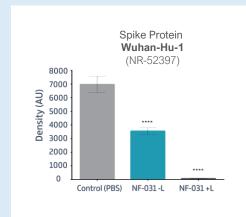


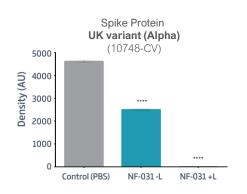


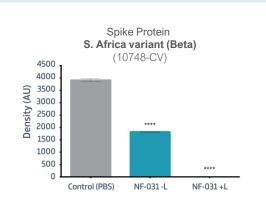


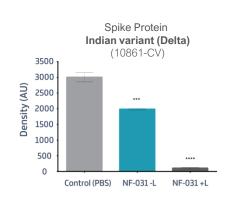
Destroys all known variants

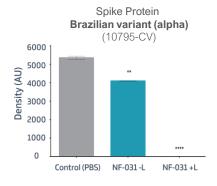
Spike protein and receptor binding domain destroyed

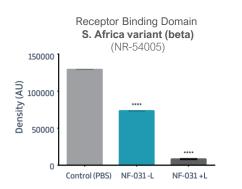




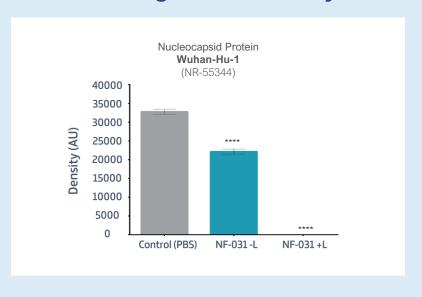








RNA genome destroyed



Legend:

- NF-031-L = photosensitizer only
- NF-031+L = photosensitizer + 2 minutes of illumination

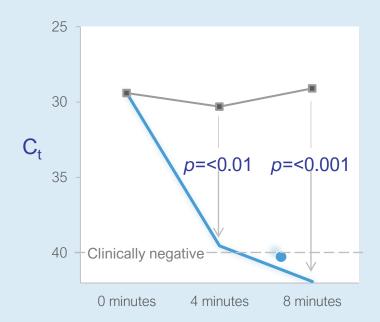
Sources of viral protein:

- R&D Systems, Inc. MN. for all spike protein samples.
- BEI Resources, NIAID, NIH for receptor binding domain and RNA samples.

Enterprise use

SARS-CoV-2 Elimination

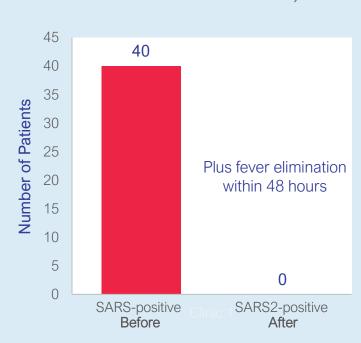
(wild clinical isolate)



Source: Argemi, Merdou, et al, Center for Applied Medical Research, BSL 3, University of Navarre

Nasal Viral Load Eliminated

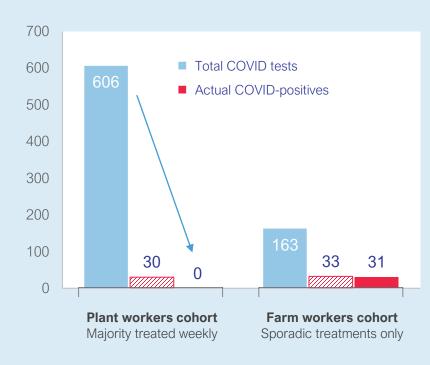
(SARS2-positive patients treated with Steriwave)



Source: Dr. Jack Kolenda, Breathe Easy Canada Clinic

Real-world Enterprise Impact

(major Canadian meat processor, 45,000 treatments, 1/week)



Source: Drs. Richard Rusk & Judy Hodge (25 weeks, 2020)



Operational Highlights 2021



Onboarded qualified FDA drug manufacturer



Completion of 4 trials demonstrating effectiveness vs. SARS-CoV-2



Increased enterprise adoption of Steriwave[™] for prevention of COVID-19



Additional Canadian hospital deployments of Steriwave for SSI suppression



4x increase in manufacturing capacity and output



Expanded Ondine's Board of Directors



Board with Deep Sector Experience

EXECUTIVE BOARD MEMBERS

NON-EXECUTIVE BOARD MEMBERS



Carolyn Cross CEO and Chairman













TRIZELL



Nicolas Loebel President and CTO









Microsoft



Poised for Advancement

Expanded & Enhanced Capabilities



Hired exceptional people with superb industry experience



Quadrupled throughputwith our in-house production teams



Successful MDSAP certification of our Quality Management System



Lean Six-Sigma supplier management

Further Opportunities



New enterprise customers in trial phases



SARS-CoV-2 suppression *in at-risk patients*



Expand nasal photodisinfection $into\ ICU$



Low-cost, high volume nasal light illuminator *launch targeted Q4 2022*

Financial Highlights

(OBI:AIM)	Year-end 2021	Year-end 2020
Revenue	\$2.6m	\$1.8m
Cash Balance	\$29.9m	\$0.6m
Debt	\$0	\$34.1m
Common shares outstanding	194.584.524	70.671.262

\$132.2m market capitalization (May 31, 2022)

Building Value for Ondine Shareholders

- * High growth US sales
- * Pipeline products leveraging initial FDA IND
- * International Sales

- * FDA Submission
- * Pilots & trials for additional indications & products
- * FDA approval
- * Complete Phase II trial
- * Complete Phase III trial
- * USA Market Launch Prep

SOLID FOUNDATION:

- * Proven Technology, Established Team, AIM/LSE Listing Symbol: OBI
- * Business model & MDSAP production capabilities validated in Canadian hospitals
- * HCA Relationship & Support
- *7+ products in pipeline leveraging existing regulatory filings & commercial relationships

