

mgc pharma



Improving Lives
With Innovative Medicine

November 2022

MGC Pharma is paving the way in the Life Science Sector with innovative medicines for under-treated medical conditions

“Our vision is to have a global impact on under-treated medical conditions and diseases.

“Wielding the power of plant-inspired medicines in novel combinations by using innovative medical technologies to harness knowledge and science towards achieving our “Nature to Medicine” strategy and creating the next-generation of medications.”

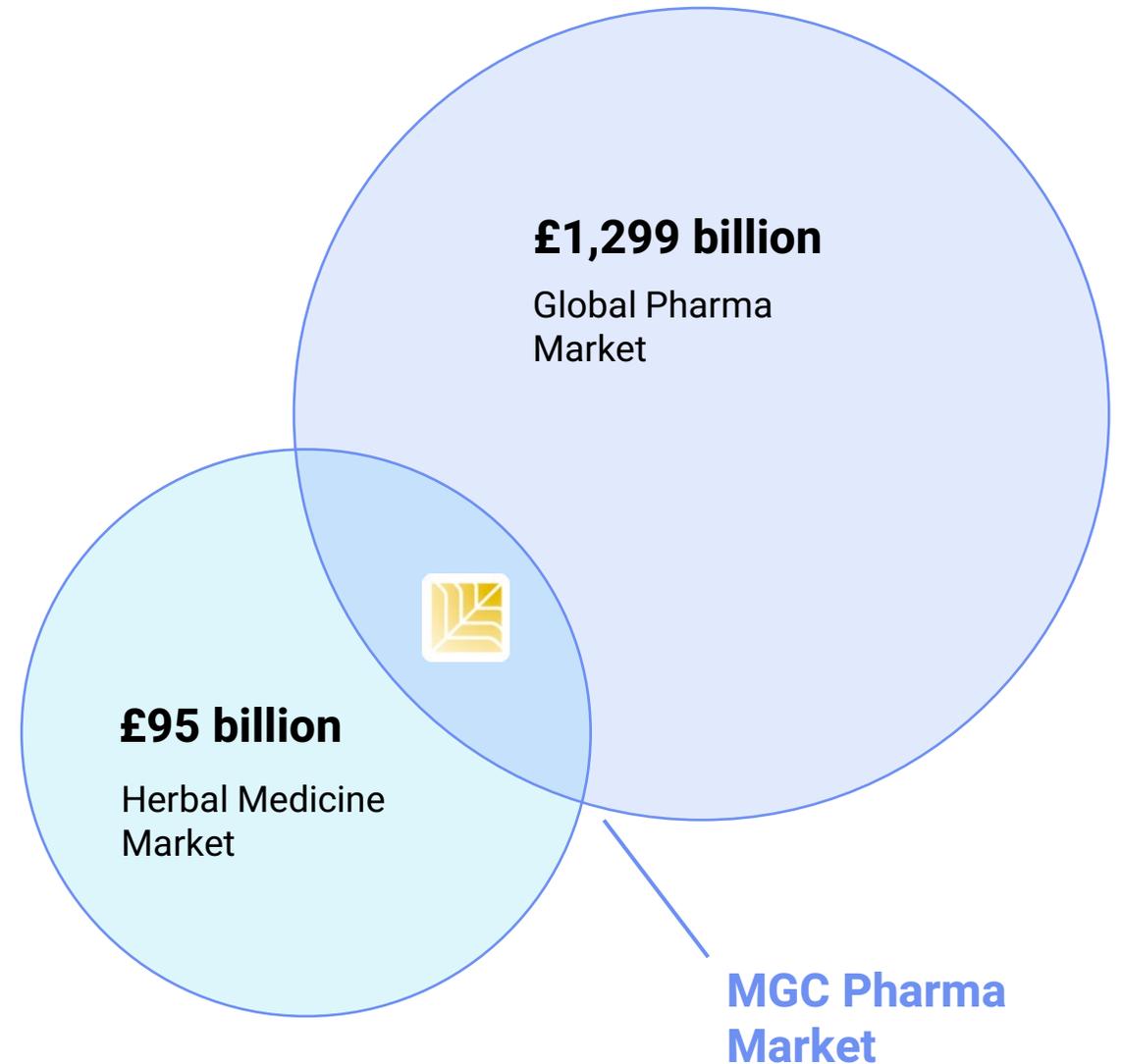
Roby Zomer
Co-Founder, Director & CEO

Established Pharma Platform

- ❖ Plant-inspired ingredients and pharmaceutical formulations
- ❖ Integrated global research hub
- ❖ Experienced pharma & research team
- ❖ Corporate team with extensive pharmaceutical expertise
- ❖ Malta GMP pharma-standard auto manufacturing facility
- ❖ Advance Clinical program with innovative formulation
- ❖ Acquisition & integration of ZAM app
- ❖ ESG focussed team, with more than 60% women

MGC Pharma: a Unique Market Proposition

The rapidly expanding market for plant-inspired medicines provides new opportunities for growth.



* ReportLinker. (2022, March 4). Pharmaceuticals Global Market Report 2022. Globalnewswire.com.

* ReportLinker. (2022, June 7). Herbal Medicine Market Research Report by Product, Form, Source, Type of Medicinal Plant, Indication, Distribution Channel, Region - Global Forecast to 2027 - Cumulative Impact of COVID-19. Globalnewswire.com

Global Footprint

United Kingdom

Corporate HQ & LSE Listing

Slovenia

R&D Centre & GMP IMP facility

Malta

Cutting Edge
GMP* Facility

Israel

Clinical Research Hub

Australia

ASX Listing

Our Distributors network

AMC HOLDINGS, INC. USA

 Sciensus EU, EEA & MENA

 Lenis Balkan & Baltics

 OnixCann CANNABIS MEDICINAL Brazil

Company Board and executive team

Highly qualified team with decades of relevant industry experience



Roby Zomer
Managing Director &
CEO



Brett Mitchell
Non-Executive
Chairman



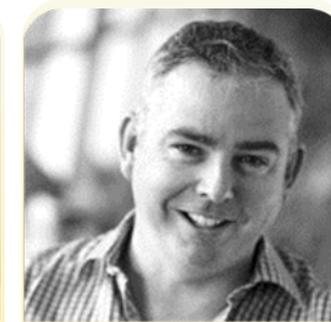
Dr. Stephen Parker
Senior Independent
Director & Chair of
Board Committees



Nativ Segev
Non-Executive
Director



Dr. Ross Walker
Non-Executive
Director



Evan Hayes
Non-Executive
Director



David Lim
Company Secretary



Yifat Steuer
Chief Operational
Officer



Angela-Marie Graham
Chief Financial Officer



Robert Clements
Chief Commercial
Officer



Itay Nissim
Chief Manufacturing
and Supply Chain
Officer



Dr. Nadya Lisodover
Chief Medical Officer



Amir Polak
Chief Pharmaceutical
Development Officer



Yair Tal
Chief Information
Security Officer

Company Medical Advisory Board



Professor David Neubauer

As Head of the Department of Child, Adolescent, and Developmental Neurology at University Children's Hospital, Ljubljana, Dr. Neubauer is widely published and respected and has dealt with children and adolescents in Neurological contexts for more than thirty years.



Professor Uri Kramer

One of the few medical professionals in the world to have run full-scale epilepsy trials with Cannabis, Dr. Kramer brings a wealth of experience in various fields (Neurology, Paediatric Neurology, Adolescent Psychology & Child Development). Additionally, Professor Kramer is a Former president of the Israeli League Against Epilepsy, giving him unique insight into the daily struggles of the patients his research benefits.



Dr. Jonathan Gruenfeld

He is certified in Israel, with clinical experience at the MD Andersen Cancer Centre, [Prof]. Gruenfeld has spent the last twenty years focusing on Neuro-Oncology, focusing since 2010 on Cannabis as a treatment for oncological palliative care. Involved in licensing maintenance of over 3000 medical cannabis patients in Israel, giving him a unique insight into questions of dosing, patient groups, and developing treatment methodology.



Dr. Ross Walker

Dr. Walker is a well-known Australian health figure, the former host of a weekly radio program, and a prominent cardiologist specialising in echocardiography and preventative cardiology. Dr. Walker has published several books and lectures both nationally and internationally. His contacts in the medical establishment and beyond allow him to facilitate relationships for MGC and draw positive public attention to the brand.



Dr. Nadya Lisodover

15 years of domestic and international experience in academic and clinical studies in the pharmaceutical, diagnostic and medical devices industry. Dr. Lisodover is a regulatory expert and has been clinical adviser to public biotech companies and a range of incubator and acceleration including Furtux- a J&J Innovation and Takeda program.

Leaders in the pharma and the life sciences sector with unparalleled expertise

During the past 24 months the company has transformed into a Pharma company with:

- ❖ 3 drugs in clinical development
- ❖ 4 drugs in preclinical development
- ❖ Completion of two successful Phase II studies on CogniCann® and CimetrA®.
- ❖ Operational Research and Development site
- ❖ Construction and deployment completed of two Pharma-grade production sites (Malta GMP approved)
- ❖ Acquisition of AI Platform providing MGC Pharma with real-time information on large data, supporting doctors in the provision of more accurate treatment in a shorter time.
- ❖ CannEpil approved by the Irish Medical Cannabis Products Reimbursement Scheme (MCPRS) and obtaining full health insurance converge

Our flagship line of products are developed to fight the most demanding conditions.

CimetrA®



Investigational
Medicinal Product

Anti-Inflammatory

Phase IIb and Phase III

Market size estimated £30b¹

CannEpiL®



Investigational
Medicinal Product

Refractory Epilepsy

Phase IIb

Market size estimated £15b²

CogniCann®



Investigational
Medicinal Product

Dementia

Alzheimer's

Phase II

Market size estimated £15b³

IrniCann®



Investigational
Medicinal Product

Glioblastoma

Market size estimated £4b⁴

1. <https://www.researchandmarkets.com/reports/5446184/coronavirus-covid-19-current-therapy-global>
2. <https://www.biospace.com/article/epilepsy-therapeutics-market-worth-15-1-bn-by-2030-at-a-cagr-of-4-5-percent/>
3. <https://www.grandviewresearch.com/industry-analysis/alzheimers-therapeutics-market>
4. <https://www.grandviewresearch.com/industry-analysis/glioblastoma-multiforme-treatment-gbm-market/>

**Investigational Medicinal Products (IMP) are medicinal products designed and manufactured for clinical trials, and they are made available to patients via early access schemes (depending on territory).*

Flagship Product – COVID-19 & Anti-Inflammatory

Anti-Inflammatory

CimetrA®

- IMP based on two active ingredients: Dry extracts of *Curcuma longa* and *Boswellia serrata*;
- Delivered via nanoparticle suspension, demonstrating the suppression of cytokine storm in COVID-19 patients;
- None of the treatment group patients in the on-going study have required additional oxygen, mechanical ventilation, or admission to intensive care**;
- Results from a Pre-clinical In-vitro study indicate wide-ranging application as an anti-inflammatory treatment through the modulation of the production of pro-inflammatory cytokines;
- One of the key findings of the current study was the effective blocking of the IL-32mRNA expression, the pro-inflammatory cytokine related to Rheumatoid Arthritis, Inflammatory bowel disease, Asthma, Psoriasis, and Chronic obstructive pulmonary disease;
- **IP Protected (IP Number – SIPO 26055)**

Phase IIb and Phase III



Lead product



Oromucosal spray

Pharmaceutical dosage form

Phase III started Q1 2023 IND (FDA) Q3 additional site for phase III H1 2024 completion of phase IIb



* Developed from our food supplement ArtemiC®.

**According to the interim analysis 2022

Flagship Product – Refractory Epilepsy

CannEpil®

- IMP based on two active ingredients: Cannabidiol and Delta-9-Tetrahydrocannabinol;
- Designed as a treatment for refractory epilepsy aka "Drug-Resistant" (DRA);
- Approximately 25% of people with epilepsy have a drug-resistant (DRA) form;
- The first legal medicinal cannabis product eligible for patients in Ireland and fully covered under Ireland's Primary Care Reimbursement Service as part of the country's medicinal Cannabis Access Program (MCAP);
- Available via prescription in selected territories through special access schemes;
- Safety Study results show that CannEpil® was found to be safe for post-treatment driving activities. Considered the gold standard of safety studies in psychoactive ingredients;
- **IP Protected (IP Number – SIPO 26056);**



Refractory Epilepsy

Phase IIb




Lead product


Oromucosal solution
Pharmaceutical dosage form

Flagship Product - Dementia and Alzheimer's

CogniCann®

- IMP is based on two active ingredients: Delta-9-Tetrahydrocannabinol and Cannabidiol.
- Designed as a treatment for the symptoms associated with Dementia and Alzheimer's.
- The safety and efficacy were assessed in a Phase II study in Australia;
- Patients in the Placebo group experienced a deterioration in their condition, compared with the stable neuropsychiatric profile of those patients in the treatment group with CogniCann®;
- Patients' aggressive behaviour improved by 13%, compared with the Placebo Group, which improved by 4%;
- This important finding indicates not only improvement in the health status of the patients but also the improved quality of life of the families and caregivers taking care of dementia patients;

Dementia

Alzheimer's

Phase II

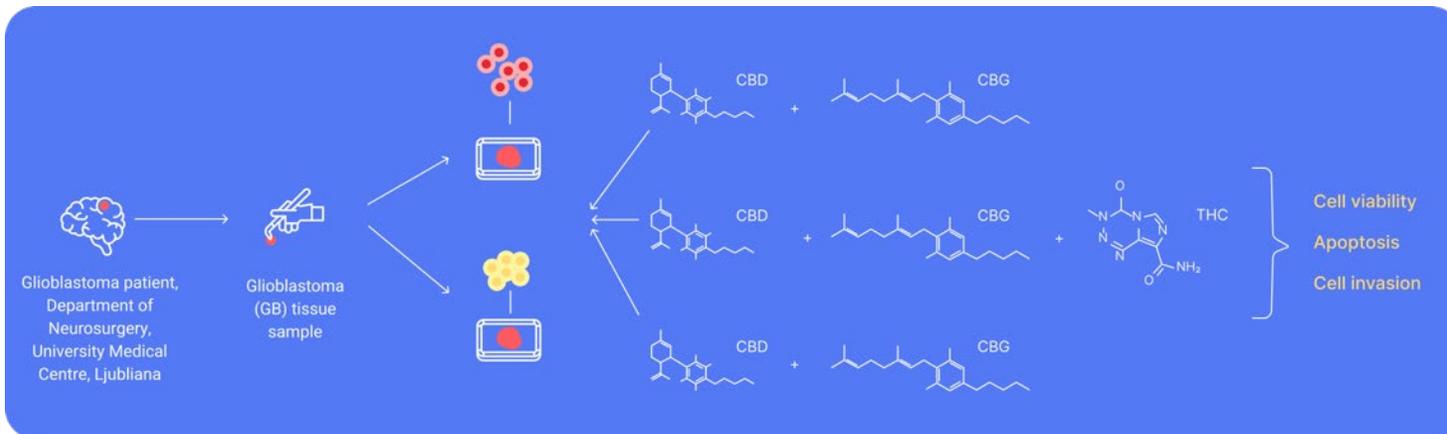



Oromucosal spray
Pharmaceutical dosage form

New Medical Product- Glioblastoma

IrniCann®

- IMP based on two active ingredients: Cannabidiol and Cannabigerol.
- The Glioblastoma pre-clinical research , conducted between 2019-2022, initially used a formulation that included THC (delta-9-tetrahydrocannabinol), which was later replaced with Cannabigerol (CBG), which has no known psychotropic effects.
- The study demonstrated that IrniCann® was cytotoxic to Glioblastoma tumour and stem cells, reducing the cells' viability and inducing caspase-dependent cell apoptosis (or cell death).
- MGC Pharma is planning to undertake additional research to further demonstrate the formulation's efficacy as a treatment for Glioblastoma.



Glioblastoma

Pre-clinical

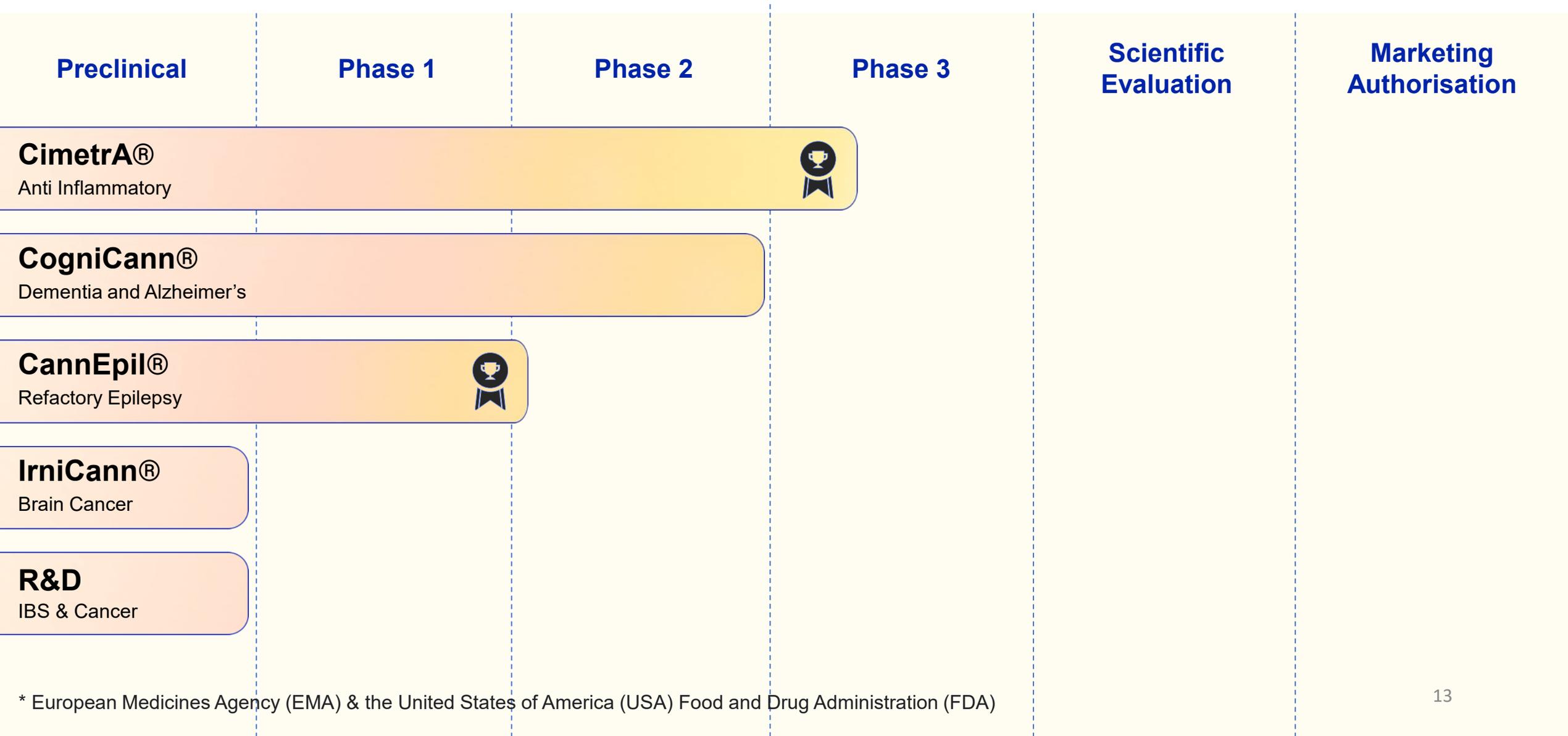


Capsules

Pharmaceutical dosage form

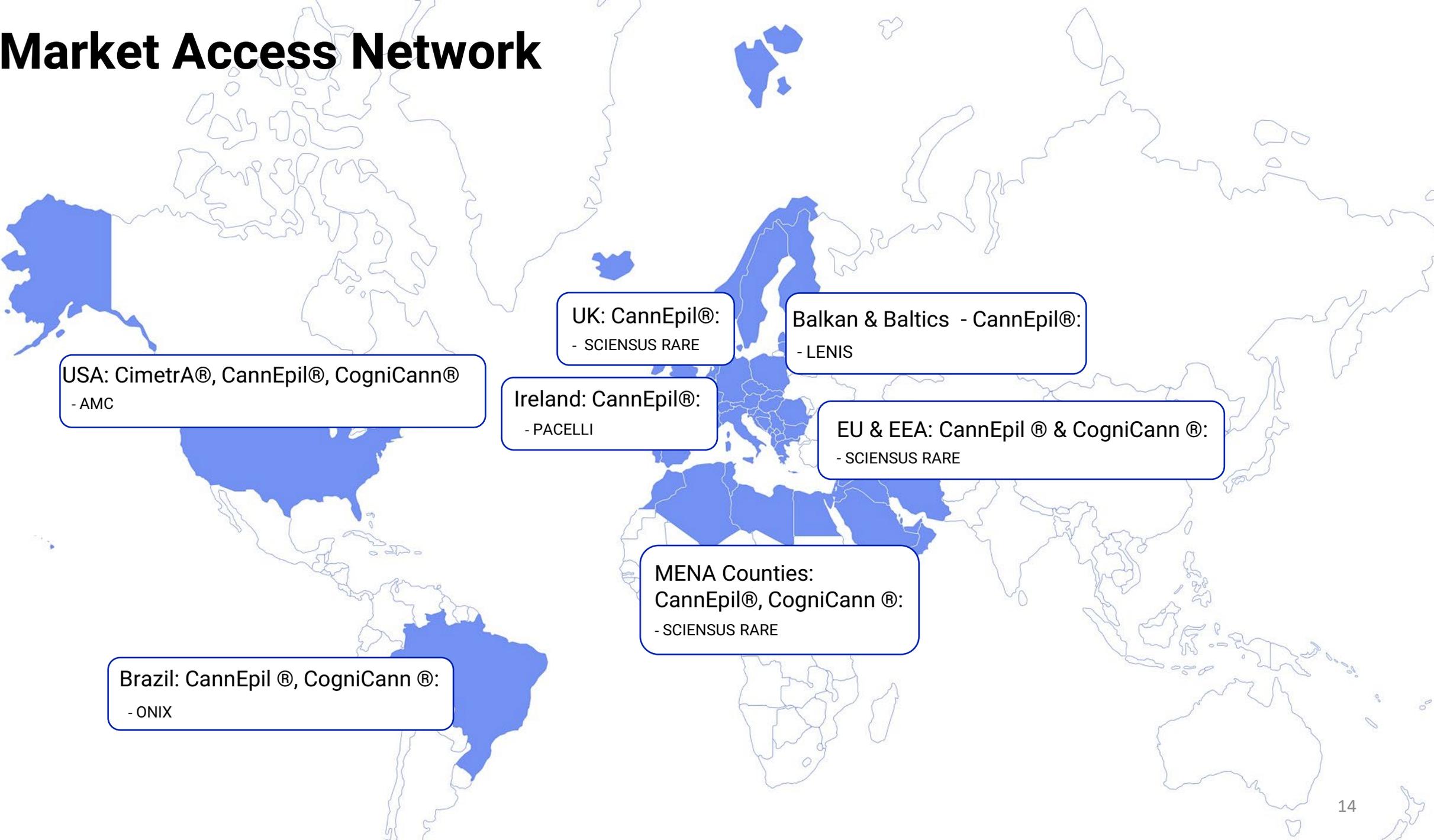
Research and Development – Product Pipeline

FDA & EMA registration



* European Medicines Agency (EMA) & the United States of America (USA) Food and Drug Administration (FDA)

Market Access Network



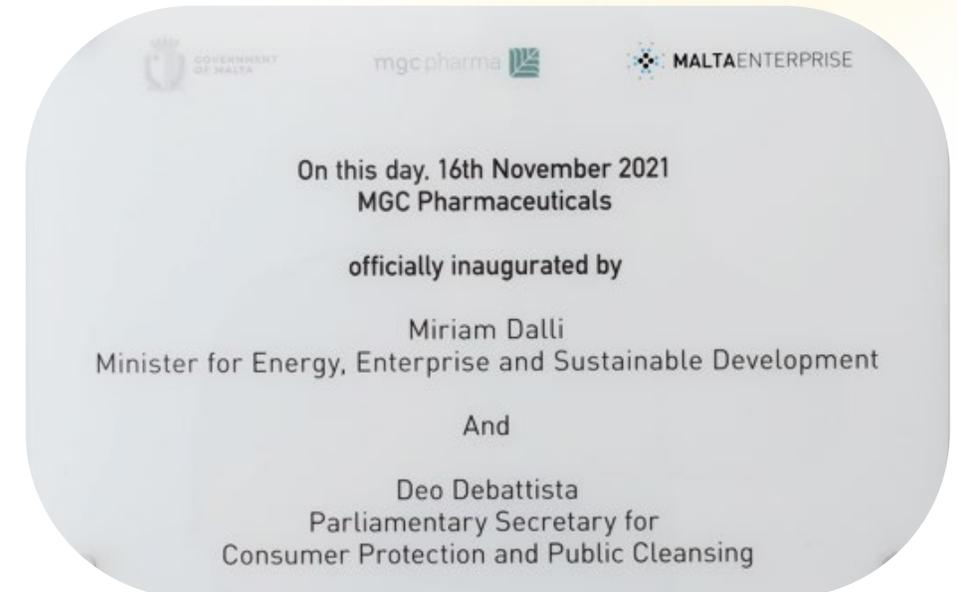
Integrated Research Hub

- MGC Pharma manages and runs all clinical trials in-house, in accordance with the European Medicines Agency, Federal Drug Administration, ICH Good Clinical Practice, and Israeli health regulations.
- MGC Pharma's CRO ('MediCaNL') delivers cost savings to the Company compared to third party services.
- MediCaNL currently has three clients (excluding MGC Pharma) which provide MGC Pharma additional revenue stream.
- MediCaNL is leading the clinical trials of CimetrA® and CannEpil®



Fully built GMP pharma standard manufacturing facility

- A formal EU GMP certification as a production facility is now expected to be formalised in early 2023.
- The company will have two, high-quality, EU GMP certified production facilities from which it will be able to manufacture and distribute its proprietary IMP products CimetrA®, CannEpil®, and CogniCann® across the EU, and globally

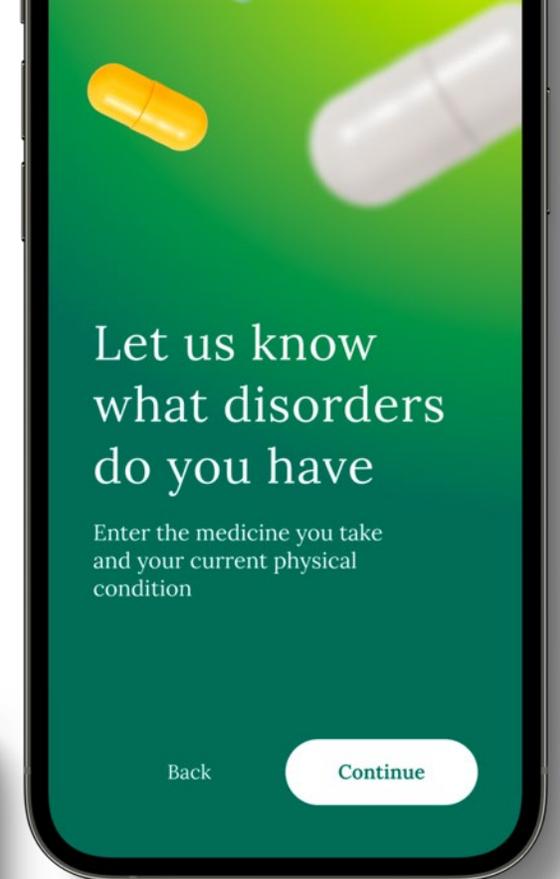
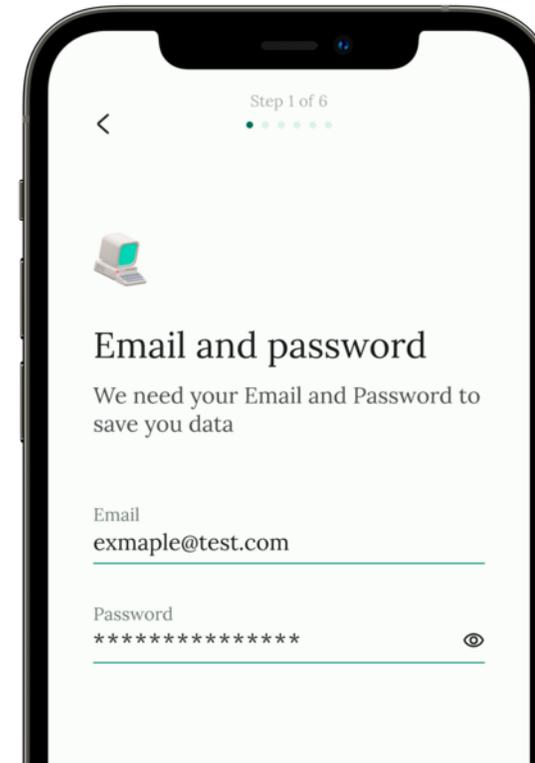




ZAM Medical Data App

Helping Doctors to give better treatment

- ZAM will enable patients to log their medical history and monitor medication use.
- The ZAM App will provide users with an in-depth understanding of their health and treatment progress through patient data collection.
- The Artificial Intelligence (AI) Algorithm will use data collected from the ZAM App, including results from academic and clinical studies, to predict potential conflicting side effects from multiple treatments.



Meta Medix (MGC Research) – Products Offering



- Ongoing organic growth of our supplements and medical-cannabis products worldwide
- Meta Medix Cumulative Sales have reached c.£2.4m (c.88k units) over the last 12 months

Key Milestones for 2023

- ❖ CimetrA® IND (FDA) submission
- ❖ Ramp up Sciensus Rare
- ❖ Commissioning the Malta facility
- ❖ Continue the development of CannEpil®
- ❖ Progress on CannEpil® Phase IIb
- ❖ Enrolment of additional users to ZAM



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