



**Microbiome
Center**

**Evidence-based,
personalised
precision medicine**



**.... helping chronic patients more effectively,
in less time.**

Complex challenges with Chronic patients, but new solutions arise.

Challenges



Big and growing group of chronic patients

- 10 mio. chronic patients with GP's in NL alone¹
- Visit a GP 3,5x more than an avg. patient²



Unsatisfied results of medication alone

- Mainly about symptom relief
- Mostly focused on 1 specific disease area
- Focused on protocols

Solutions



Positive impact of lifestyle

- Eg. 67% less or no medicine use with Diabetics after life style changes³



Relevance of microbiome

- Scientific evidence about the involvement of the microbiome in health and illnesses is piling up⁴
- 60%-70% of chronic patients also have gut and stomach issues⁵

Hurdles to overcome

- The microbiome is a new area and HCP's have little time to get in depth knowledge.
- Huge amounts of new publications appear making it hard to stay up-to-date.
- Individual approach needed. Lifestyle changes alone often not sufficient.

Microbiome Center

- Founded in **2018**
- Mission: give access to a healthy gut, for every chronic patient, through **personalized microbiome treatment**
- **Founders**



Pieter Pekelharing
Initiator of MC and
founder of Winlove
Probiotics



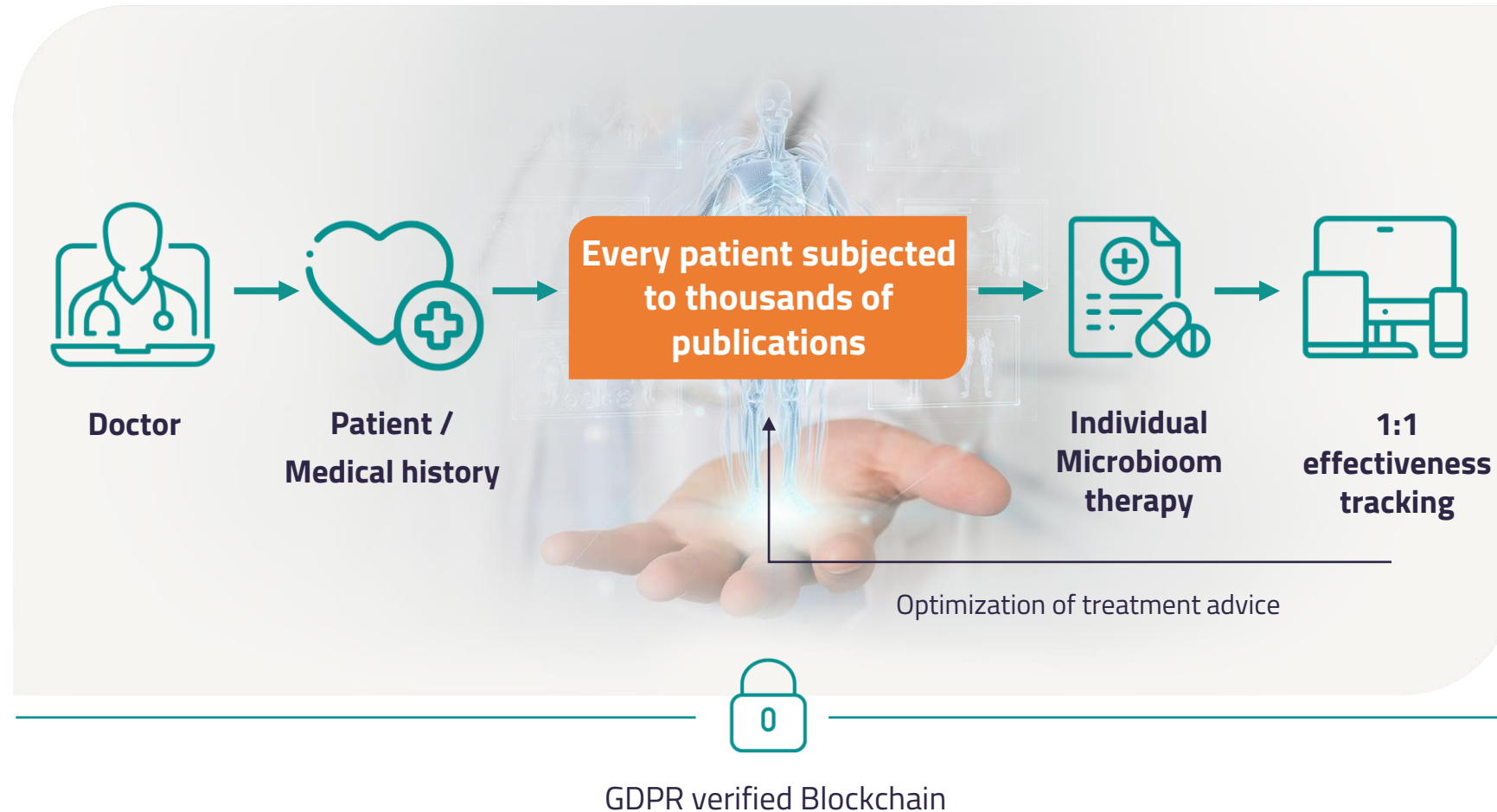
Henk Duinkerken
Business Liaison of MC
and chair of Foundation
My Data Our Health



Karin Pijper
Medical Director of
MC and General
Practitioner

- Network of **more than 350 HCP** in; Netherlands, Germany, Belgium, Austria and Switzerland
- **Partners**
 - BIOVIS laboratories
 - Service Pharmacy - Van den Bergh
 - Peter Voshol - Senior Scientist at Louis Bolk Institute
 - Professor A. Kraneveld – University of Utrecht
 - Patient associations: Psoriasis, Diabetes, M-L-D society

Microbiome Center supports Medical Doctors with the treatment of chronic patients through personalised, evidence base microbiome treatments advice.



Advantages

- Treatment advice in minutes
- Evidence-based rational for decision making
- Less administration
- Doctor decides

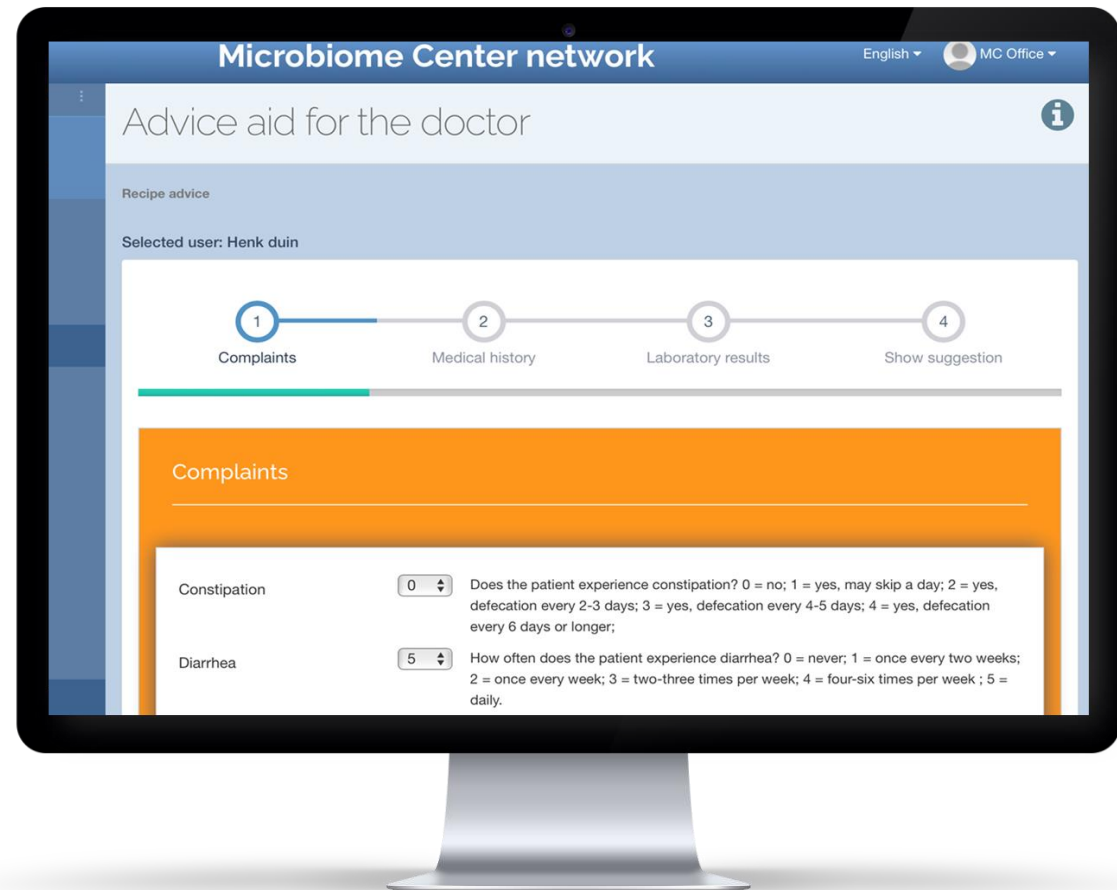


Patient /
Medical history

Every patient **their own scientific screening** through the use of a digital knowledge database

Advice aid for Doctors

1. Complaints
2. Medical History
3. Microbiological laboratory results
4. Outcome: treatment advice





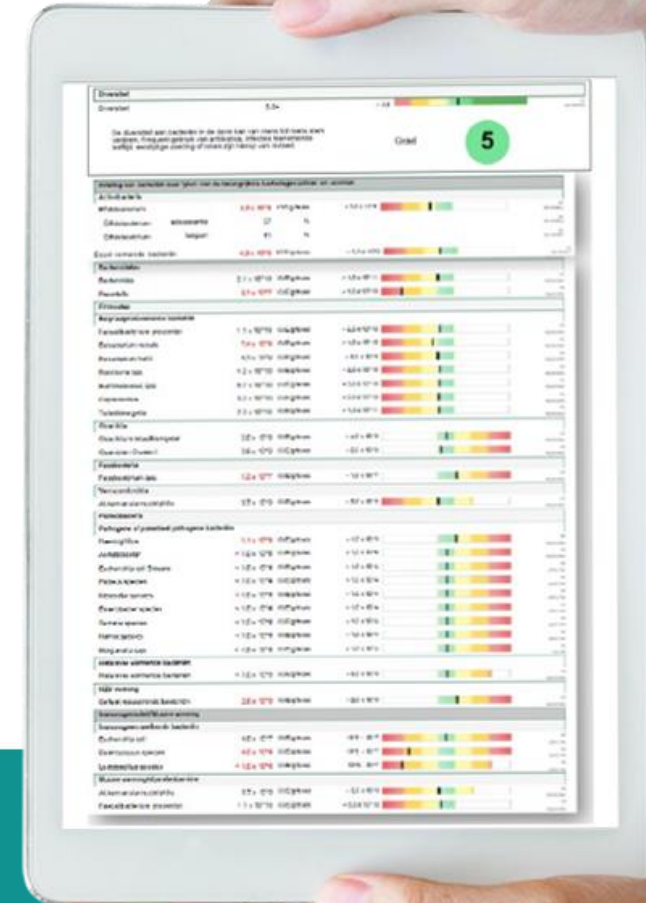
Patient /
Medical history

Stool analyse for **tailored** treatment advice through **16S rRNA + markers**

Important criteria

- 16S rRNA technique
- Microbial diversity
- Dysbiose index
- Parasites
- Clinical markers,
 - Leaky gut
 - Inflammation
 - Digestion

biovis'
DIAGNOSTIK





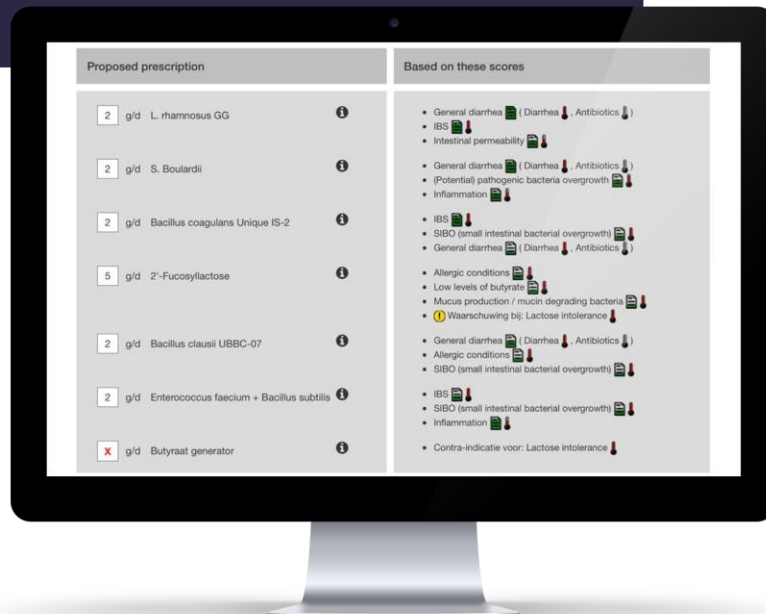
Individual
Microbiom
therapy

Personalised pre- en probiotic recommendation with scientific rational

- Recommendation is fully adaptable by Medical Doctor
- Contra indication warning system in place
- Personal recommendation prepared by compounding pharmacist
- Delivered at patients home



Scientific evidence behind each of the proposed ingredients



Enterococcus faecium + Bacillus subtilis

Product informatie:

De combinatie van deze twee stammen wordt al lange tijd in Aziatische landen gebruikt en is veel onderzoek mee gedaan. De meest prominente toepassing is bij colitis ulcerosa, waarvoor sterke evidence beschikbaar is uit een meta-analyse van maar liefst 53 RCT's (1). Deze meta-analyse en andere onderzoeken bieden ook sterke evidence voor een direct effect op ontstekingen (1-3). Ook voor IBS is enige klinische evidence (4,5). Deze onderzoeken bieden ook evidence voor de aan IBS gerelateerde klacht buikpijn (4,5). Verder is er enige klinische evidence dat deze stammen effectief kunnen zijn bij SIBO (6), AAD (7), en luchtweginfecties (8). Tot slot is er in vitro evidence voor een effect op candida (9).

Actieve componenten:

Enterococcus faecium Rosell-26 (1.7e9 cfu/g); Bacillus subtilis Rosell-179 (0.3e9 cfu/g)

Ingrediënten: Maïszetmeel, bacteriestammen

Min:1 g/d, Max:15 g/d

Referenties:

- (1) Probiotic Medilac-S® for the induction of clinical remission in a Chinese population with ulcerative colitis: A systematic review and meta-analysis
- (2) Clinical study on the efficacy of mesalazine and live combined Bacillus subtilis and Enterococcus faecium enteric-coated capsules in the treatment of ulcerative colitis
- (3) Live Combined Bacillus subtilis and Enterococcus faecium Ameliorate Murine Experimental Colitis by Immunosuppression
- (4) The effects of probiotics on symptoms of irritable bowel syndrome
- (5) Efficacy of combination therapy with probiotics and mosapride in patients with IBS without diarrhea: a randomized, double-blind, placebo-controlled, multicenter, phase II trial
- (6) Beneficial effect of probiotics supplements in reflux esophagitis treated with esomeprazole: A randomized controlled trial
- (7) A retrospective study of probiotics for the treatment of children with antibiotic-associated diarrhea
- (8) Effect of probiotics on the incidence of ventilator-associated pneumonia in critically ill patients: a randomized controlled multicenter trial
- (9) In vitro inhibitory activity of probiotic products against oral Candida species

MyOwnBlend | Personalised recommendation



Did you know that MyOwnBlend:

- is fully adjusted to a patient's medical history and microbiome
- Is evidence-based
- Has unique ingredients in the right dosage
- Ingredients all come in 1 jar and is therefore easy to take in
- Is being delivered at home



MyOwnBlend 1 month

Content 1x jar of 450 gr.

Shelflife 3 months

Dosage 2x a day
(see prescription)

Prices 2023 €220,-
(incl. VAT, excl. shipment)



MyOwnBlend 2 months

2x jars of 450 gr.

3 months

2x a day

€275,-



MyOwnBlend SIBO 2 months + thermos flask

2x jars of 450 gr.

3 months

2x a day

€300,-



MyOwnBlend Maintenance

12x sachets of 100gr.

1 year if frozen + 2
months after opening

According to their need

€330,-

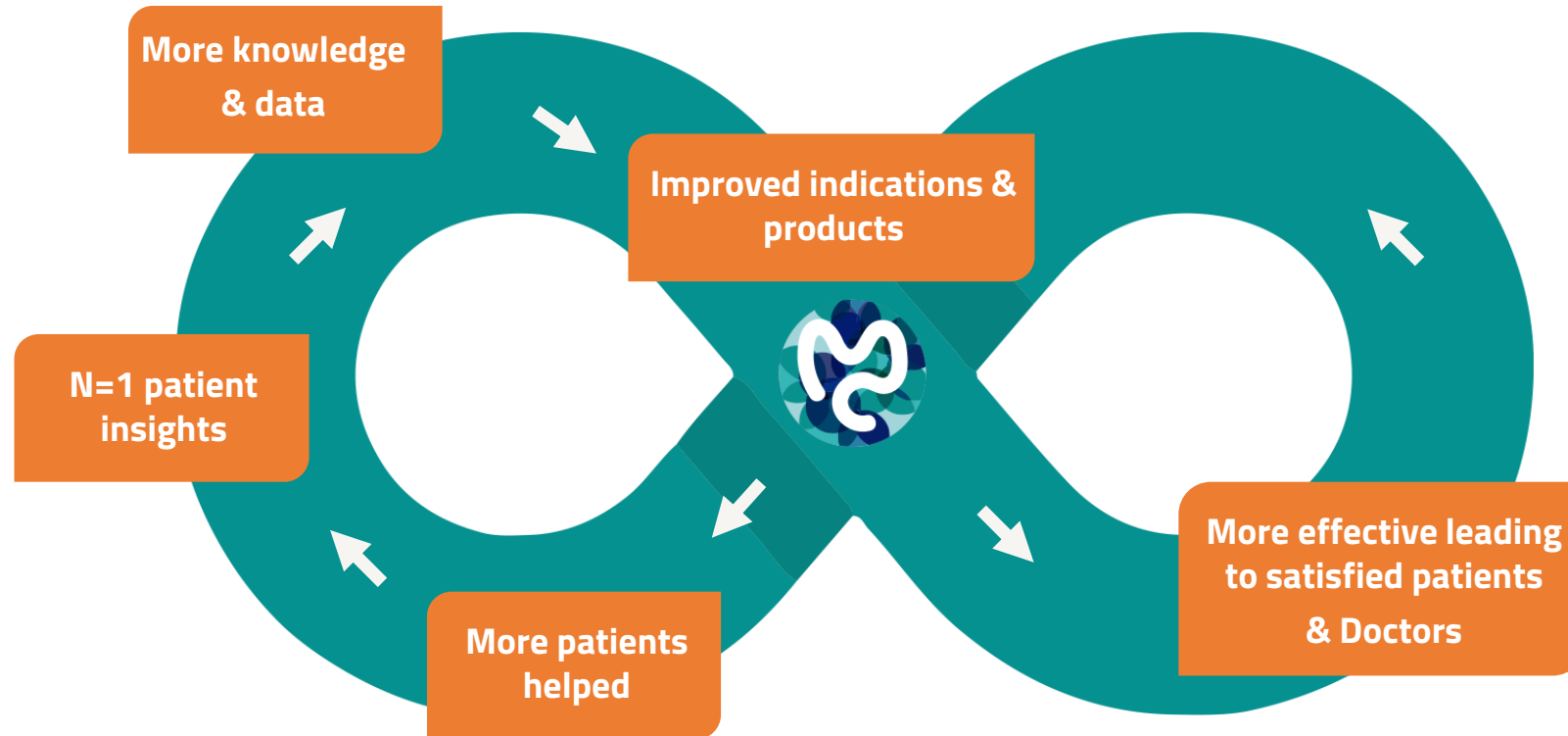
Disclaimer

A personalised microbiome treatment is considered a medicine and always needs to be prescribed by and used under the supervision of a Medical Doctor.



1:1
effectiveness
tracking

Ongoing, self optimizing model in which **new knowledge quickly results in better microbiome treatments for patients.**





1:1
effectiveness
tracking

Effectiveness of the treatment is tracked via a monitoring APP*

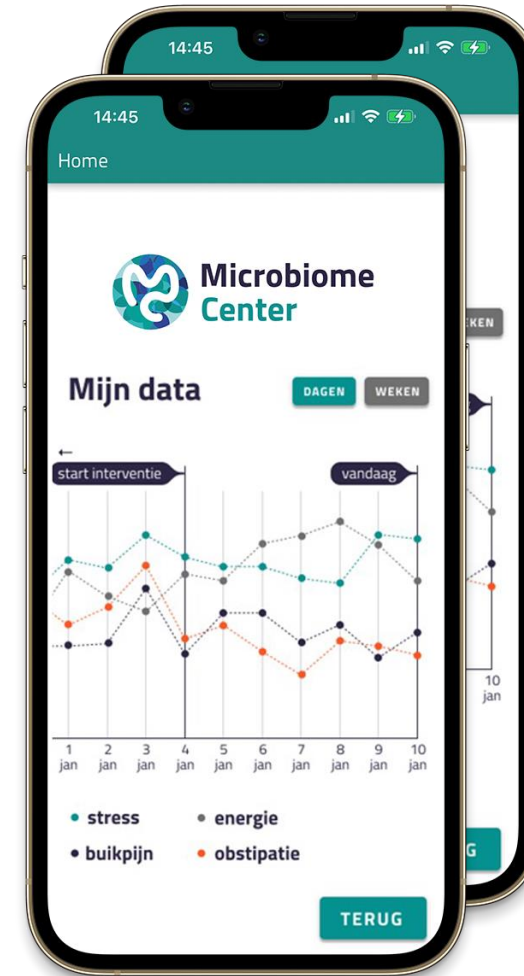
Service call with every patient (after approval Doctor)

- After week 2 and week 16
- Measurement of effectiveness and side effects if any

APP measures daily result. N=1 effect measurement

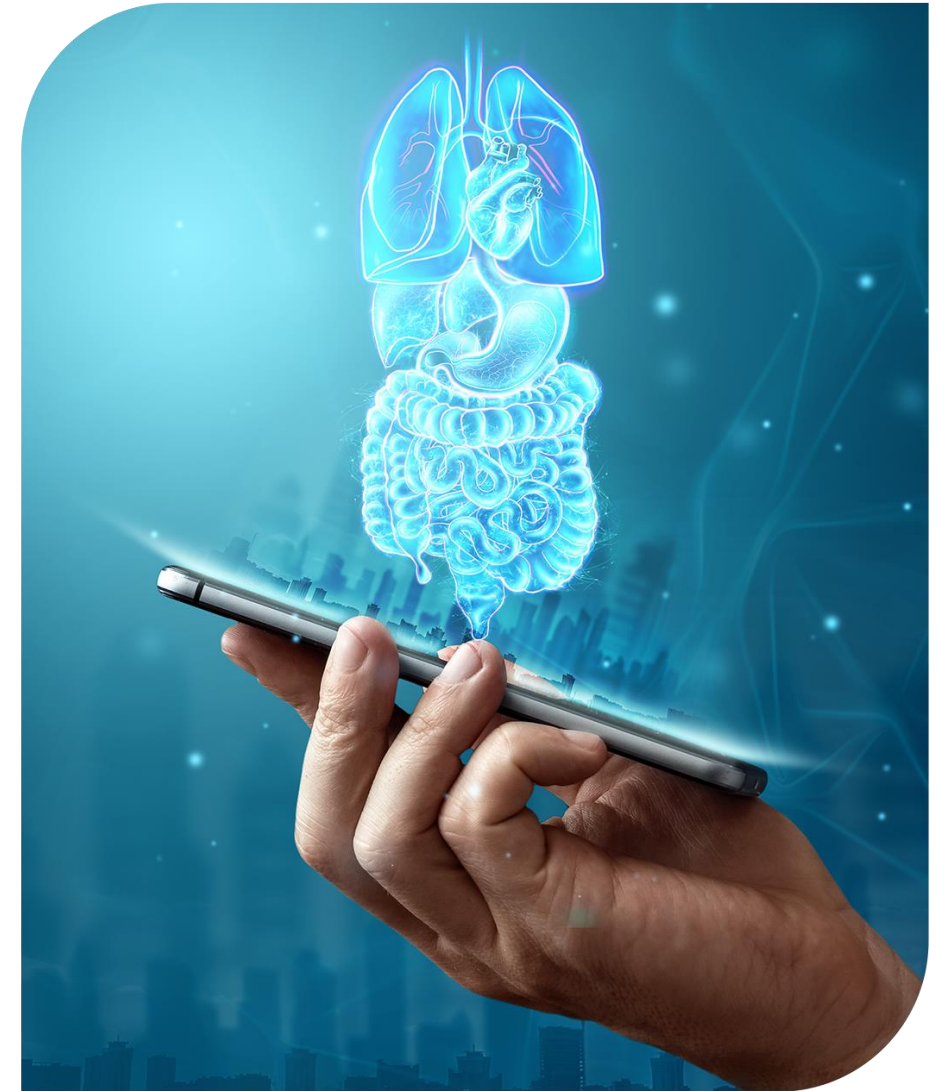
- Fast results and improvement of treatment possible based on -> new "golden standard"
- Available in app store under: microbiome center

Each patient can individually judge if treatment was effective



Microbiome Center offers:

- **Fully tailored microbiome treatment advice**, coming out of a patients medical history and lab results
- Each **patient is subjected to the latest scientific publications** in minutes through our knowledge database
- A personalised recommendation is made using:
 - only **evidence based pre- and probiotics**
 - the **right quantities**, as used in research
 - **unique strains in EU** due to the use of a compounding pharmacy
- All **directly shipped** to the patient
- Strong support through our **network of doctors** and knowledge sharing sessions





Microbiome Center



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