MIMFERTILITY.

EMBRYOAID.

ONE IMAGE IS ALL IT TAKES

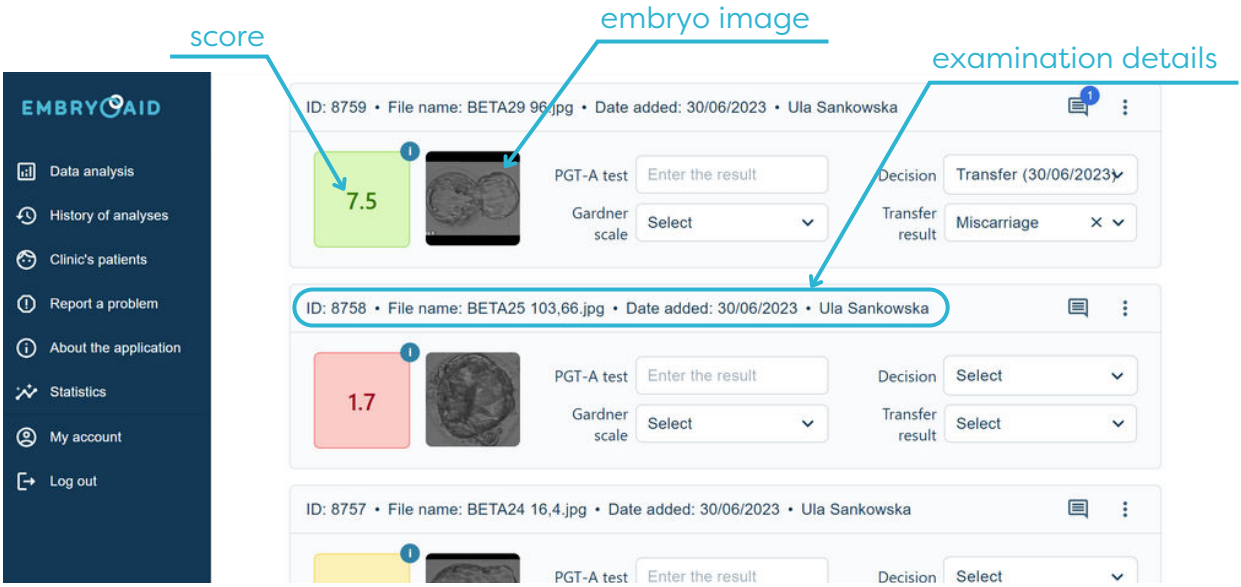
AI – Powered
Doctors – Inspired

IVF procedure has been changing over the last few decades. However, its global success rate is still relatively low. We believe that the inclusion of Artificial Intelligence tools into the process will encode and automate the best practices that can improve this situation substantially.

To support skilled embryologists, we created EMBRYOAID, a cutting-edge AI-powered software platform for implantation prediction based on the embryo's images or time-lapses. It recommends the ranking of the most promising embryos for a successful transfer, using the knowledge gathered from scanning thousands of videos and images.

Highly accurate, consistent, easy to use

EMBRYOAID is as good as a council of 10 experienced embryologists. Using its consistency and precision, we improve the standardisation of the embryo ranking procedure by introducing objectivity and electronic data storage.

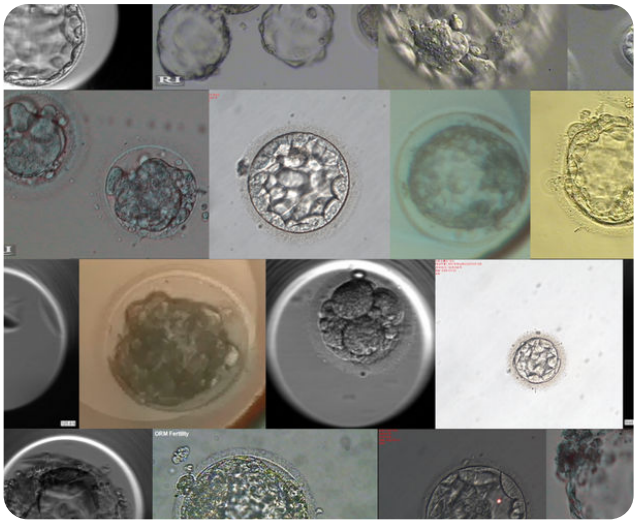


IN THE PATIENT'S PROFILE:
There's a list of embryos with their respective scores.

- The score reflects embryo's pregnancy potential
- The score encodes the comparison to other embryos in our database
- You can: see embryo's image/ video, choose the decision (for example, transfer) or add transfer's outcome

Possibilities within your reach

EMBRYOAID has several key features that set it apart from other IVF management solutions existing on the market.



Laboratory Management

EMBRYOAID delivers robust scoring & prioritisation tools. It allows you to choose the most viable embryo and manage all aspects of the IVF process, including embryo transfer and hormonal treatment.

Patients' Data Management

EMBRYOAID provides a repository for patient data, allowing you to track, exchange, and manage information easily. It uses advanced encryption and security protocols to protect patients' data.

Interpretable Reporting

EMBRYOAID provides real-time reporting and analytics, giving you access to vital information about IVF treatments, patient outcomes, and laboratory processes. Scores are interpretable, making the system as trustworthy as possible.

Compatibility

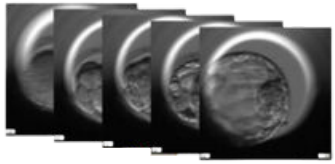
A seamless drag-and-drop system enables the analysis of images or videos from any source. It means EMBRYOAID fits your workflow and not the other way around, being a result of collaboration between tech and fertility professionals.

Turning your patients' dreams into reality

How EMBRYOAID works:

1 | You upload an image or a video of a day-5 embryo.

You can use either an image or a time-lapse consisting of several frames of the embryo.



2 | EMBRYOAID finds the embryo's inner cell.

Our neural network segments an image to find its most relevant parts.

3 | EMBRYOAID predicts the embryo's success of implantation.

Our neural network considers features found in an image and compares them to all embryos in our database.

Assistance

EMBRYOAID supports embryologists in their decision-making, reducing the unspoken pressure put on them to make the right choice.

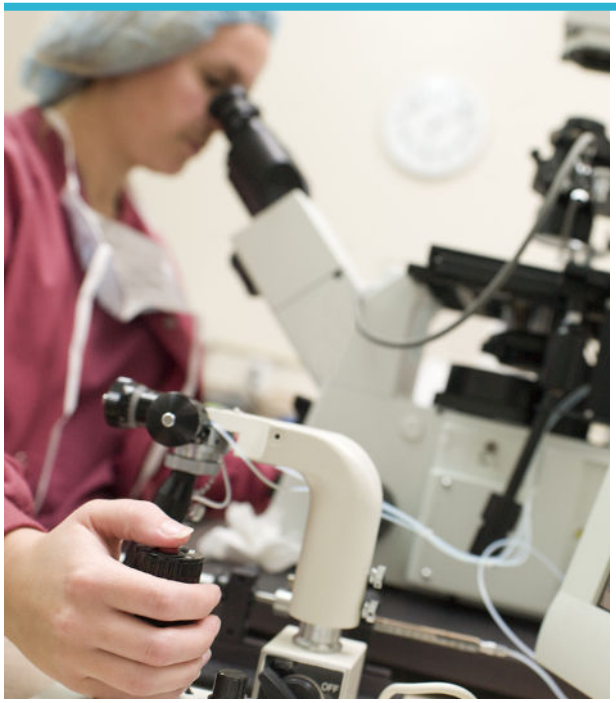
Automation

EMBRYOAID speeds up the process of grading embryos. However, no new, costly equipment is involved.

EMBRYOAID was created hand-in-hand with clinicians and embryologists, thus responding to their needs and expectations.

Piotr Wygocki, CEO MIM Fertility

Guided by experts empowered by innovation



54 sec.

Average decision time
Embryologist

< 10 sec.

Average decision time
EMBRYOAID

To assess the performance of EMBRYOAID and compare it with that of embryologists, we designed an embryo grading test consisting of 150 pairs of embryo time-lapse videos.

In each pair, both embryos were transferred, but only one resulted in a pregnancy. The objective was to select the successful embryo. Ten embryologists from different clinics participated in the test.

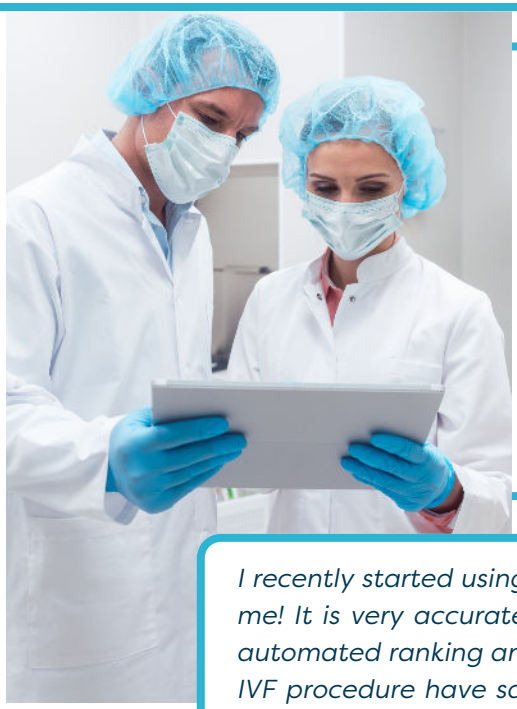
Our findings:

- The application returns the result of the analysis immediately, thus it can speed up the process of selecting the most significant embryos.
- **In cases where experts reach a consensus, the EMBRYOAID model aligns with them in 95% of instances.**

We asked experienced embryologists

Using EMBRYOAID has been highly beneficial to the everyday practice of our clinic. Traditionally, the evaluation and selection of embryos have been a manual process, highly subjective and time-consuming. With EMBRYOAID we have gained accuracy and consistency in embryo assessment.

prof. Waldemar Kuczyński, CEO at KRIOBANK



EMBRYOAID has been a game-changer for our team. I have to examine embryos on daily basis. Selecting the right one for the transfer is crucial for improving the success rates of the IVF. This application makes the procedure so much easier. It automates the process and indicates the best possible embryo to transfer. It's been incredibly helpful and has enabled us to make more informed decisions. Highly recommend!

Piotr Sieczyński, PhD, Embryologist

I recently started using EMBRYOAID. It has been a liberating experience for me! It is very accurate. I know I can trust it to make the right choice. The automated ranking and identification of the most promising embryos in the IVF procedure have saved me a lot of time and effort. I'd strongly suggest this application to fellow embryologists.

Antonio Vidal, Laboratory Director, Instituto Vida Guadalajara

EMBRYOAID

Effortless efficiency

Decreased emotional burden

Increased operational flow effectiveness

Constant product enhancement guaranteed with AI's evolution

Upgraded operational effectiveness and the integration of standarized processes

We are MIMFERTILITY.
AI – enhanced Fertility Care

At MIM Fertility, we are committed to breaking new ground in the fertility world. We are using AI to address the global infertility problem. We help fertility professionals to improve patient outcomes and increase clinic efficiency.

We engage ourselves in MedTech because we believe that AI and Big Data can advance the IVF standards and beyond.

- We set new fertility care standards.
- We revolutionize the way patients perceive the infertility journey.
- We provide better access to fertility treatments worldwide.

We will do this by continuing to deliver bespoke and innovative AI-driven software tools perfectly crafted for skilled fertility professionals to enhance reproductive technology field. We will also continue collaborating with clinics to standardise, optimise and automate clinical workflows.

We also created

FOLLISCAN.

FOLLISCAN is a software app, based on AI providing information on the number and size of ovarian follicles, based on time-lapse videos of transvaginal ultrasound examinations. With FOLLISCAN doctors can obtain more precise and accurate information on the development of ovarian follicles during ultrasound examinations.

Connect with us for AI-powered decision-making

Let's discuss how EMBRYOAID can help you achieve better results in less time.

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