

MIMFERTILITY.

FOLLISCAN.

**AI-POWERED  
FOLLICULAR  
MONITORING**

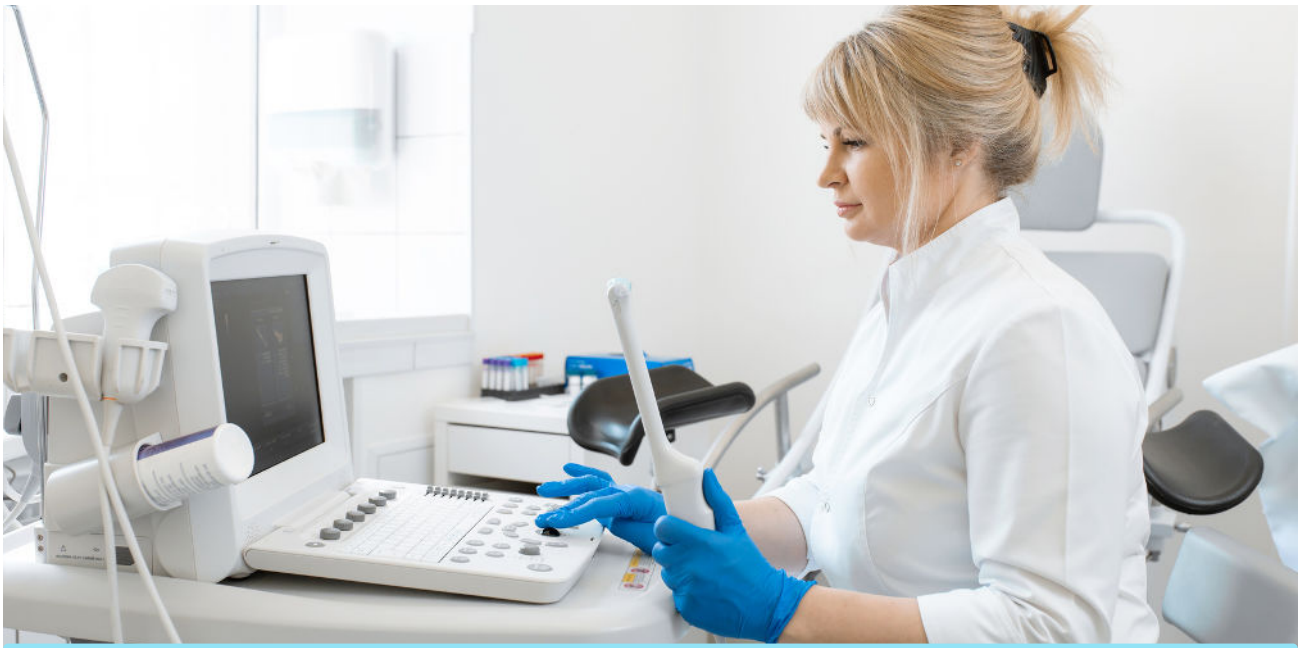


# AI – Powered Doctors – Inspired

FOLLISCAN is based on a simple but powerful concept: build a technological platform that imitates the expertise of highly qualified medical experts and puts this ability in the hands of every healthcare provider.

AI can count and measure follicles more accurately than the human eye. This is why we offer you FOLLISCAN – A second pair of eyes and hands. With FOLLISCAN, the time of interpreting ultrasound can be 2.7x shorter than without it.

**FOLLISCAN automates the procedure, significantly simplifying the examination and expanding the range of practitioners who can perform it.**



# Future is now

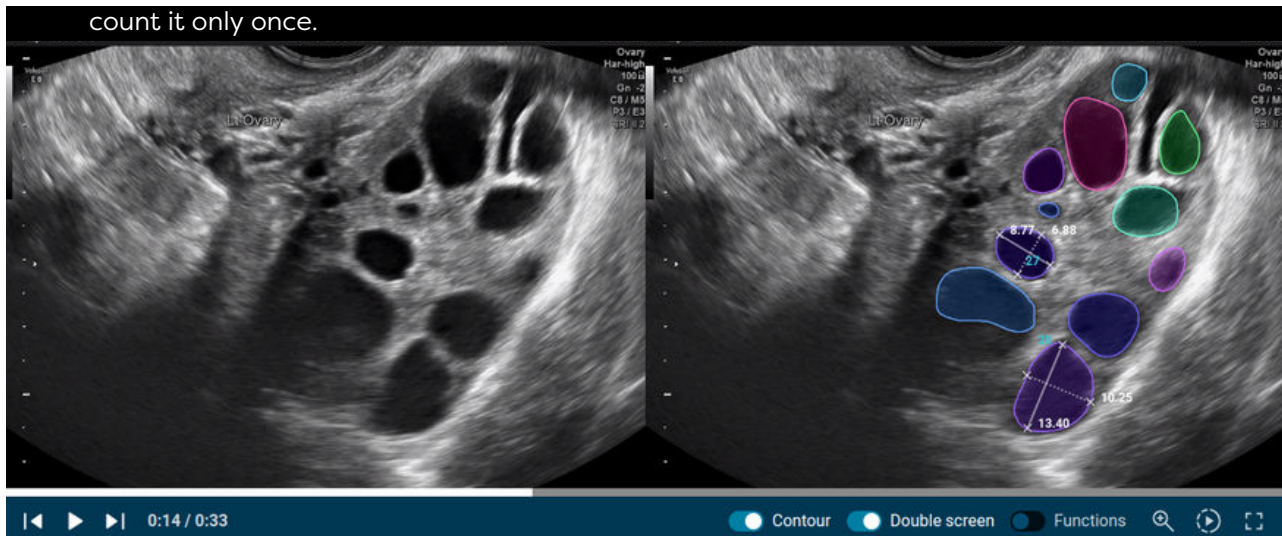
## Ovarian follicular monitoring

FOLLISCAN is an AI software platform designed to identify, calculate and measure follicles of all sizes in a 2-second 2D or 3D cine sweep of the ovary made with transvaginal ultrasound. It supports many activities that currently have to be performed by a human.

Facilitates assessment of ovarian reserve

Allows better patient-tailored treatments

Saves time and allows the sonographer to dedicate more attention to the patient



# From scan to solution in one click

## FOLLISCAN's swift brilliance

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FOLLISCAN is a web-based application that can be accessed **anywhere in the world** via a web browser.

The sonographer starts the ultrasound examination and identifies ovaries.

The sonographer obtains a 1-3 seconds cine sweep of each ovary.

Before STIM Review, medical assistant or a sonographer reviews and approves FOLLISCAN reports.

FOLLISCAN can send measurements to your EMR for STIM Review.

With FOLLISCAN, the whole ultrasound interpretation can be **2.7 times shorter**.

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# FOLLISCAN

## Reshaping fertility healthcare

FOLLISCAN is not only taught to count and measure follicles of all sizes accurately. It opens the door to an increased IVF success rate. Why?



### Why is it essential to measure follicles?

To predict the number of blastocysts.  
Even 6% of 10 mm follicles will give blastocysts.\*

### Why should we predict the number?

To help a doctor recommend the optimal trigger day (which can mean 0.5–1 more blastocysts on average).\*

\*Source: Hariton E., et. al. A machine learning algorithm can optimize the day of trigger to improve in vitro fertilization outcomes. Fertil Steril. 2021 Nov;116(5):1227-1235



# Seamless Workflow

## Your Shortcut to Success



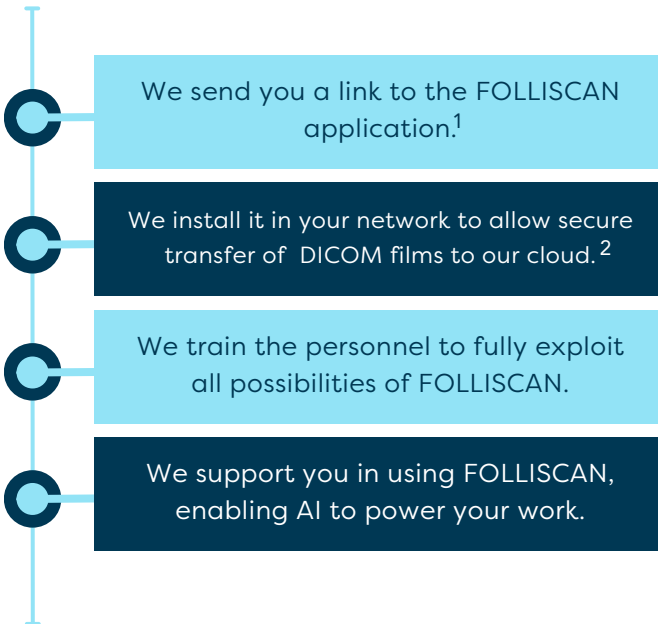
There are multiple benefits of using FOLLISCAN in IVF clinics and healthcare centres:

- ▶ It can speed up the interpretation of ultrasound by 2.7x times.
- ▶ It standardizes the process of finding and measuring follicles.
- ▶ It allows the ultrasound to be done in any OB-GYN office.
- ▶ FOLLISCAN enhances clinical decision-making.
- ▶ FOLLISCAN showcases effectiveness with a notable edge in follicle detection accuracy, reaching an 92%.
- ▶ It can decrease waiting time for patients by monitoring automation.

# Effortless Daily Routine

## Achieve more with less

Sit back and relax while we manage the whole process.

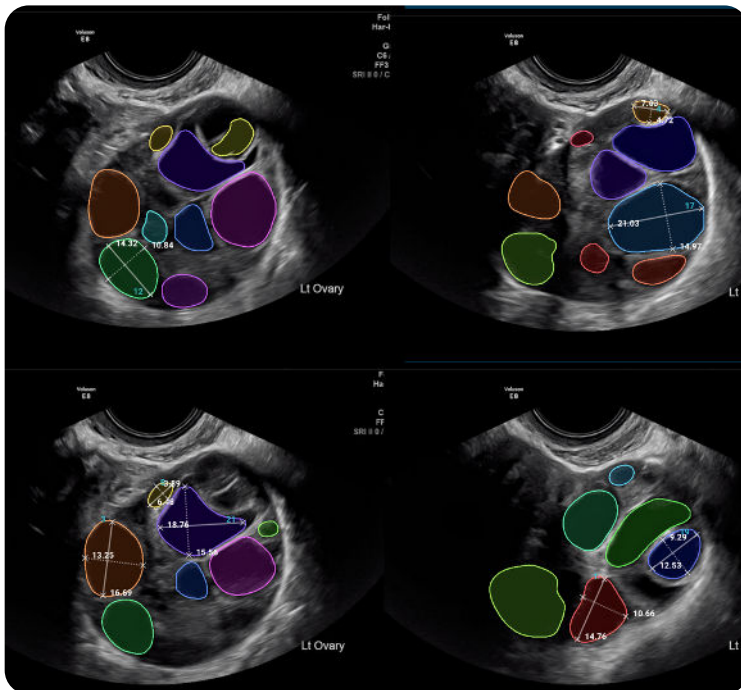


*1 This step is the only one necessary to run FOLLISCAN.  
2 Configuration of the ultrasound machines is required.*



# Changing the landscape of fertility care

FOLLISCAN was created by the best AI experts in close cooperation with Poland's most experienced ultrasound practitioners. Our AI algorithms were trained on more than 2k ultrasound videos, and their accuracy was confirmed by various experts performing ultrasound examinations in clinical settings.



One of the reasons for that is the standardisation and repeatability of FOLLISCAN measurements.

We conducted a trial with experienced fertility experts and asked them to independently mark given follicles.

On average, their follicle measurement differed by almost 0.9 mm. Although seemingly small, this difference affected the choice of the trigger day.

▶ At present, FOLLISCAN is being tested by medical staff in daily practice.

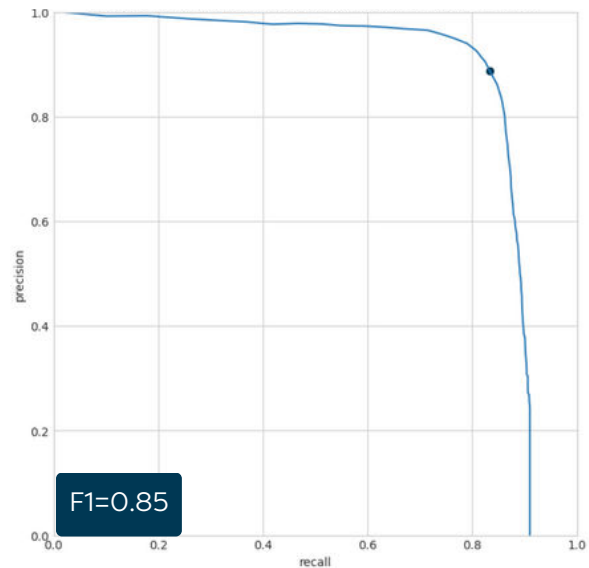


# Fusion of AI excellence and clinical expertise

We verified FOLLISCAN's quality on an independent dataset. As a quality measure, we used precision and recall.

Precision (P) tells us how many follicles were correct amongst all that FOLLISCAN found. Enhanced accuracy ensures that structures beyond the ovaries and ovarian cysts are not misidentified as follicles.

Alternatively, recall (R) tells us how many follicles were found by FOLLISCAN out of all true follicles. High recall means that we find even the smallest follicles.



The precision-recall curve demonstrates the trade-offs between precision and recall at different thresholds. A common approach for balancing precision and recall is to maximize the F1 score. The blue dot on the curve represents the point at which we maximize this metric, achieving an F1 score of 0.85.

*This plot shows all P-R combinations when changing the model's decision threshold. The dot is FOLLISCAN.*

# 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*

**EMBRYO**AID.

EMBRYO AID is a cutting-edge AI-powered software platform for implantation prediction based on the embryo's image or time-lapse.

It supports the ranking of the most promising embryos for a successful transfer, using the knowledge learned from scanning thousands of videos and images.

# Connect with us for AI-powered decision-making

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



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