



## Frequently Asked Questions

### What is Life Whisperer?

Life Whisperer uses artificial intelligence (AI) to assess embryo quality. It identifies embryo morphological features of embryos that correlate with implantation potential, including those invisible to the human eye. Life Whisperer gives a score to each embryo to assist in selecting embryos for transfer.

### How does it work?

Life Whisperer is a web application. Embryo images for a given patient can be dragged and dropped onto the application where the AI analyses and scores the embryos in real time. The score is a value from 0 – 10, where 10 denotes the highest quality embryo with the greatest implantation potential. The analysis completes in less than a minute.

### How will my patients benefit from Life Whisperer?

Patients benefit by improved selection of the most suitable embryo for transfer first time round, meaning a shortened time to pregnancy, and reduced emotional and financial stress. A printed or electronic report of the AI assessment can be provided to your patient, enabling transparency of the embryo selection process, confidence in the use of an evidence-based approach, and a great value added service to better connect with your patients.

### How will my clinic benefit from Life Whisperer?

Life Whisperer standardizes and improves embryo assessment for clinics, with the potential to reduce time to pregnancy for patients. This in turn can improve IVF success rates and allow clinics to service more patients. Life Whisperer is provided at no cost to clinics and there is no requirement for specialized hardware. Life Whisperer also allows clinics to market the use of cutting-edge AI technology to improve patient outcomes.

### Are there published studies for Life Whisperer?

Yes, we care about publishing our research and clinical studies. We often present at key fertility conferences including ASRM and ESHRE, and have a seminal publication in Human Reproduction published in 2020 entitled “Development of an artificial intelligence-based assessment model for prediction of embryo viability using static images captured by optical light microscopy during IVF, by VerMilyea et al.”

### When should I use Life Whisperer?

Life Whisperer is a Day 5 embryo application. Images of blastocyst-stage embryos on Day 5 are required and should be taken prior to embryo freezing or biopsy. The results can be used to inform embryo selection for fresh transfer or for future freeze-thaw cycles. Life Whisperer works best when the image is taken as close as possible to the time of transfer (or time of freezing, if not performing fresh transfer).

## Is it the same as embryo grading?

Life Whisperer is not the same as standard embryo morphology grading. Life Whisperer uses AI that has been trained on a dataset of thousands of embryo images where ground-truth clinical pregnancy outcomes were known. The application was developed and tested on a globally diverse dataset of images from multiple clinics in multiple regions, where images were taken using multiple cameras and imaging systems. When compared with traditional morphological grading methods, the AI is ~25% more accurate at predicting pregnancy outcome. The AI approach provides a robust, evidence-based, objective assessment of embryo quality.

## Does Life Whisperer replace Embryologist assessment?

No, Life Whisperer is a clinical decision support tool that removes subjectivity and provides an additional objective assessment of embryo quality. This can be used by the Embryologist, together with their own expert scientific knowledge, to make the best possible decision about which embryo to transfer.

## Should Life Whisperer be used if I am conducting PGT-A?

Yes. Life Whisperer assesses implantation potential based on morphology of the embryos at Day 5. Implantation potential is not the same as genetic integrity, which is measured by PGT-A. Life Whisperer should be used prior to embryo biopsy to select embryos with the highest implantation potential for PGT-A assessment.

## Does Life Whisperer require time-lapse equipment?

No, Life Whisperer is a web-based application that does not require any specialized hardware, just an account login. It does not require specific incubators or costly imaging equipment. Images from standard camera and optical microscopes are sufficient to run the analysis. Life Whisperer can, however, also be used with images extracted from time-lapse equipment.

## How is Life Whisperer different from time-lapse imaging for embryo selection?

Time-lapse imaging provides standardized, uninterrupted embryo culture and image capture by use of specialized incubators. It is useful for tracking and predicting embryo development through to blastocyst stage, but has limited ability to predict implantation potential of developed embryos. By contrast, the Life Whisperer analysis is independent of developmental chronology. It provides an end-point analysis of implantation potential at the time the image was taken, enabling better selection of embryos for transfer at Day 5 of development. Time-lapse imaging frequently requires manual annotation and other inputs, whereas Life Whisperer performs all image processing, annotation, and analysis automatically, removing the effects of user bias, error, and subjectivity. Life Whisperer and time-lapse imaging systems are complementary, and can be used together if desired to provide an overall improved experience for the patient.

## Is my data secure?

Life Whisperer is compliant with HIPAA, GDPR, and ISO-13485. Local cloud servers are used in each region so that your data does not leave the region of origin, as per applicable regional regulations. Data is always encrypted in the application to the highest standards. Note that Life Whisperer provides ongoing customer and technical support, and our staff are constantly working to safely improve the algorithm and maintain the security of the application.

## Are there opportunities to collaborate with Life Whisperer on future projects?

Yes, we strive to use AI to improve the end to end IVF process. For new AI projects, we invite collaborators to contribute data and expertise, with a royalty payment shared to those data contributors when the products are validated and brought to market.

## How much does it cost?

Life Whisperer is free for clinics. There are no license costs or maintenance fees, and no hardware costs. The cost to the patient is per cycle (cohort of embryo images) assessed by Life Whisperer and is a fraction of the cost of an IVF cycle. There are different pricing models that we can discuss with you to see which model best suits your clinic(s).

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