

# wearable**design**

Malaysia is a frequent destination where international tourists practise IVF (in vitro fertilization), thanks to the quality of service and its cost. This process, however, does not have an absolute efficiency. To increase the chances of success in the IVF process, a tracking of the patient's health is constantly carried out.

That's why the company Inspirilab proposes the development of a device that tracks the patient vital signs and send them directly to a database, which can only be accessed by the doctor or the hospital. So that the measuring device is constantly working, the product has to be thought so it can be worn. In other words, it will be a wearable that the hospital will give to its patients.

Currently, the project is under development. Inspirilab's product designer carries out the product's Design Thinking Process. The process requires the tracking of the patients and collaboration with experts through interviews and feedback.

Inspirilab is already collaborating with the MHTC (Malaysian Healthcare Travel Council) and The Politecnical University of Catalonia. But during the creation process, a further contact has to be done with more professionals. So without any further information, we thank you for your help. We hope that through this collaboration we can make our user's life better.

Kind Regards,

inspirilab<sup>team</sup>

*With the support of:*

*With the permit of the person who is being interviewed. This interview will be recorded and, afterwards, transcribed so the conversation can be more fluent. This conversation might be included in the Product's Design Thinking Document.*

## **VITAL SIGNS**

1. Which vital signs are needed to track and control the IVF process so it can be more effective?
2. Can you say which one is more important and which is not necessary?
3. How do you usually track them?
4. Which tools do you use to check them when the user comes to the hospital?
5. How long does it take since the user comes to the hospital to get the IVF?
6. Are any other experts required or recommended to participate in this process? (Like a gym trainer, masseuse, ...)

## **USERS**

1. Define the different user profiles:
  - Ages. From ... to ...
  - Social Class.
  - Job.
  - Ethnology.
  - Single / Not Married Couple / Married Couple.
  - Interests (if known)
  - Average health. Do they have any kind of health problems?
  - Do you want to provide any further information?
2. Can you describe which process does the patient follow from the first moment that comes to the hospital until the IVF is done?
3. What do you usually recommend to your patients so their chances to have a successful IVF increase?

## **IN VITRO FERTILISATION PROCESS**

1. Which is the average price that the user have to pay to get the IVF process done?
2. Which are the chances that the patient gets preignant at the first time? Which is the regular protocol that the center follows if the process is not successful the on the first time?
3. Can you describe with details how does the insemination process go?
4. Do the patients have to take any preventions hours before this process is carried out?
5. How long can the Insemination last?
6. Does it have any second effects on the user? (Like feeling sick, they have to eat afterwards, ...)

## **TO THE DOCTOR**

1. Do you sometimes feel that the patients may misunderstand you and due to this misunderstandings the process?
2. Would you use a system that helps you track their health?
3. There are other products in the market that help the users get preignant. The difference with these devices and what we are trying to do is that they work by themselves and with the vital signs of one person. Do you think that even with those products the help of a doctor is needed?
4. How efficient do you think they are?
5. Would you reccommend them to your patients?