

CUSTOMER CASE

Dyne Business Services

In Vitro Fertilisation (IVF) Analytics Online Platform

Data analysis and online data collection expert Dynelytics AG has developed methods and software for the IVF Analytics Online Platform in collaboration with FIVNAT CH. It is a solution that collects reliable data on all IVF trials and any resulting pregnancies online; automatically makes statistical reports and makes all this information available. The solution has been thoroughly tested and has proved very effective in practice.



SGRM / SSMR

*Schweizerische Gesellschaft für Reproduktionsmedizin
Société Suisse de Médecine de la Reproduction*

We can adjust
the solution
to your needs with
little expense.

Background

FIVNAT CH (Fécondation In Vitro National) – the commission of the Swiss Society for Reproductive Medicine (SGRM) – is responsible for collecting data to draw up yearly statistics on reproductive treatment in Switzerland and for building and supporting the quality of the data register in accordance with the Swiss government's reproductive medicine regulation (FMEdV).

FIVNAT CH has been successfully providing the IVF Analytics Online Platform for members of the SGRM since the beginning of 2011. It collects reliable data on all IVF trials and any resulting pregnancies online; automatically makes statistical reports and makes all this information available.

The IVF Analytics Online Platform was developed as a central online solution

- making decentralised data collection in the authorised member centres possible,
- providing the option of creating dynamic online reports,
- making it possible to make comparisons with anonymous data in real-time and
- based on forms in four languages with data collection and reports which are compatible with EIM (European IVF Monitoring, a Specialty Group of the ESHRE – European Society of Human Reproduction and Embryology) and with ICMART (International Committee Monitoring Assisted Reproduction Technologies).

The FIVNAT CH IVF Analytics Online Platform functions in the DyneCloud of Dynelytics AG in Switzerland. No additional software is required for data entry or crea-



ting reports. It is operated with all usual browsers.

The IVF Analytics Online Platform can also be easily operated in its own intranet. For this, additional infrastructure is required consisting of hardware (server, etc.) and “IBM SPSS Data Collection Interviewer Web” standard software, on which forms and databases are implemented. This software is distributed and maintained by Dynelytics and is an industry standard in the field of professional market research.

Details of the solution

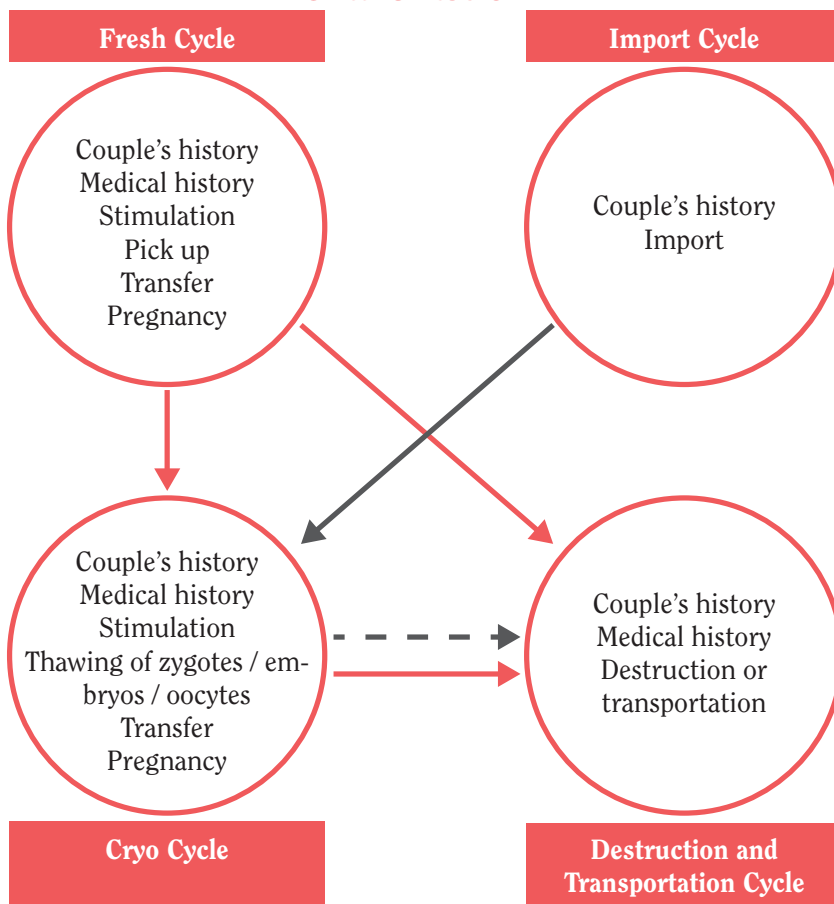
Data analysis and online data collection expert Dynelytics AG has developed methods and software for the IVF Analytics Online Platform in collaboration with FIVNAT CH. Before the project work began, FIVNAT already had a database with around 30,000 data records and treatment cycles. These data were integrated into the described solution.

The IVF Analytics Online Platform was thoroughly tested and proved extremely effective when put into use by FIVNAT CH. In the first year, 6,000 cycles were collected and analysed.

Important functions and characteristics of the platform:

- Only authorised people can access the web interface with a valid username and password. Access to the different activities and data is controlled via roles assigned to users. Data concerning other users cannot be seen. So, for example, an employee in one centre can only access data in their own centre.
- Couples are clearly identified across the different centres.
- A registry control tool manages allocation and storage of the couples’ basic information as well as that of all centres and sub-centres.
- The solution also includes an egg cell accounting element. This checks the number of egg cells

Cycle types collected via the IVF Analytics Online Platform



- taken per couple, the number cryo-preserved and the number still available.
- In the FIVNAT form, all information in relation to the treatment is entered, such as medical history, cycles, pick-up, transfer, pregnancies, etc.
- Data sheets, which are only partially filled in, can be opened later and completed, so that authorised people can see cycles that are still open and work on them. Terminated cycles can still be consulted in “view mode”.
- Data quality control: data entry is subject to specific data plausibility routines.
- All data are stored in a database. The data can be exported in SPSS Statistics and Excel format.
- Via the web, the FIVNAT datacentre can control authorisations to access the IVF Analytics Online Platform at any time.
- With the online reporting

- function, authorised centres can access data records and generate individual reports simply via a browser, without the need to install any local software.
 - Pre-defined standard reports enable authorised centres to compare their own cases with general, anonymous benchmark cases at any time.
 - It is possible to add additional variables to the online form at a later date. For reasons of data consistency, it is however recommended to make such modifications to data structure only once a year.
 - It is possible to programme an additional function to create PDF files, making it possible to print any case entered into the online form.
- The solution is operated by Dynelytics AG, whose head office is in Switzerland. The solution**

is operated in the firm's Dyne-Cloud in Switzerland.

- This is a continuous operation solution. Dynelytics AG takes care of installing and maintaining software and guarantees data security.
- The IVF Analytics Online Platform can be adjusted quickly and simply to country-specific requirements.
- Data protection is given top priority. All entries and requests are processed with the best possible encryption technology (SSL) and are password protected. Dynelytics protects its server and all data on it with numerous firewalls. Dynelytics guarantees anonymity of entered data.
- Technical support for users is provided during office hours in German, French and English.
- Dynelytics has been operating similar solutions in the Dyne-Cloud for several years, including for the following institutions:
 - AMIS Plus, National Registry of Acute Myocardial Infarction in Switzerland
 - Basel University, Institute for General Practitioners, Online-Benchmarking
 - Swissfundraising, Online-Benchmarking
 - Helvetia Versicherung, Online Assessment

► Are you interested in our solution too? At little expense, we can adjust this online register to your needs. Benefit from the IVF Analytics Online Platform, developed by experts, proven every day. We would be happy to provide you with a non-binding offer for your medical register. ■

MORE INFO

 **Healthcare Business Analytics Solutions**

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