







Tracking individual transfer outcome in the EmbryoViewer software

When working with embryo evaluation it is important to know the outcome of previous embryo transfers as these provide the basis for correlating embryo characteristics to clinical outcome. The EmbryoViewer software allows you to track the outcome of all transfers individually and makes a distinction between embryos transferred in fresh and frozen cycles.

When you indicate the fate of each embryo during the evaluation process and register the clinical outcome of a transfer, the software supports subsequent analysis of known implantation data. This is achieved by exporting the outcome data of each transfer. This TechNote outlines an easy way of registering the necessary parameters.





How to track individual embryo transfers



























To register the outcome of a transfer, follow the below procedure:

- Annotate all viable embryos in a treatment on the "Annotate" page.
- Go to the "Compare & Select" page.
- When you have evaluated all available embryos, use the embryo selection buttons to register the decision of each individual embryo    
- Embryos marked for transfer in either a fresh or frozen cycle must be marked by the "fresh transfer"  or "frozen transfer"  buttons, respectively.
- In the "Transfer Info" box, enter the date when the embryo will be transferred to the patient and click "Save Info". NOTE: Your choice can now no

longer be reverted. When you later register the clinical outcome of this cycle, the transfer date can be related specifically to the transferred embryo(s).

Tips and tricks when evaluating embryos

- On the "Compare & Select" page you can display only selected categories of embryos by filtering them according to their assigned decision    
To filter select the desired category in the "Dec." drop-down at the top of the page.
- If you select the checkbox "View All Patient Embryos" checkbox first, you can display all of the patient's embryos from all her treatments. In this way you can use the "Compare & Select" to prioritize which frozen embryo(s) to transfer in a frozen embryo transfer cycle.

Well	Dec.	Current score	NOT2PN	t2	t3	t4	t5	t8	ICM	TE	Last stage	Morph. grade	Last image	Saved score
AA-1		3.8		26.6	37.9	38.0	51.8	118.9	B	C	B			
AA-2		9.1		23.3	33.0	35.3	45.1	96.3	A	A	B			
AA-3		3.1		21.7	31.4	41.2	41.7	110.7	C	C	B			
AA-4		NA	?	?	?	?	?	?	?	?	-			
AA-5		8.4		26.0	36.6	37.2	48.9	102.4	A	A	B			
AA-6		NA	?	?	?	?	?	?	?	?	-			
AA-7		NA	?	?	?	?	?	?	?	?	-			
AA-8		NA	?	?	?	?	?	?	?	?	-			
AA-9		NA	?	?	?	?	?	?	?	?	-			
AA-10		4.9		28.4	40.0	40.4	52.8	106.9	B	C	B			
AA-11		6.7		25.2	37.2	37.9	54.5	101.6	B	B	B			
AA-12		3		28.2	29.0	38.0	38.5	109.6	C	B	B			

Current Model
 KIDScoreD5 v3
 Created 2018-11-01 by Vitrolife

Saved Model
 Save Score No saved model

Transfer Info
 Save Info Transfer Date 2019-08-29

View All Patient Embryos

How to relate clinical outcome to the transferred embryo(s)

Clinical outcome is registered for each transfer. When the result of a transfer is known, enter this information on the “Patient Details” page -> “Transfer” tab sheet:

- Select the relevant transfer cycle from the “All Transfers” box (A).
- Embryo(s) selected for transfer as described on the previous page will be listed in the table to the right (B).

- Select the clinical outcome of the transfer from the drop-down lists available in the “Outcome” section (C).
- Click “Save”

By following the protocol outlined on this and the previous page, your outcome data will be related specifically to the transferred embryo(s).

The screenshot shows the 'Transfer' tab in the software. On the left, there is a list of transfers with a 'Delete Transfer' button. A blue circle 'A' highlights the list. In the center, there is a table with columns: Treatment ID, Slide ID, Well, Embryo ID, and Decision. A blue circle 'B' highlights the table. On the right, there are several form sections: 'Transfer Details' (Transfer Date, Transfer Type, Embryos from Other Sources, Transfer Comment), 'FET Stimulation' (Medication Protocol, Stimulation Comment), 'Transfer Media' (Transfer Media, Transfer Media Comment), and 'Outcome' (HCG Test, Miscarriage, Gestational Sacs, Fetal Heart Beat, Live Born Babies, Outcome Comment). A blue circle 'C' highlights the 'Outcome' section.

If you export your data from the EmbryoViewer software, each parameter will appear in a separate column. The layout of your export may be similar to below table. However, the export will reflecton your own settings.

If you include clinical outcome parameters in your settings, you can use the data export to analyse e.g. the cumulative pregnancy rate.

Slide ID	Patient ID	Patient Name	Well	Transferred	Transfer Date	HCG Test	Fetal Heart Beat
D2000.01.01_S10005_I0000_P	5	Sophia	4	1	2018-02-01	Negative	0
D2000.01.01_S10006_I0000_P	5	Sophia	8	1	2018-04-01	Positive	1