



Supplementary Figure 1. Flowchart summarizing EuroGTP II methodologies

**Supplementary Table 1.** Definitions of the different levels of probability

LEVEL OF PROBABILITY	DEFINITION
1 - Rare	Difficult to believe it could happen
2 - Unlikely	Not expected to happen but possible
3 - Possible	May occur occasionally
4 - Likely	Probable but not persistent
5 - Almost certain	Likely to occur on many occasions

**Supplementary Table 2.** Definitions of the different levels of severity

LEVEL OF SEVERITY	DEFINITION
1- Non-serious	Mild clinical or psychological consequences for the recipient, however with no hospitalisation, or anticipated long term consequences/disability
2- Serious	Hospitalisation and/or: Persistent/significant disability or incapacity Intervention to preclude permanent damage Evidence of a serious transmitted infection Significant decrease in the expected treatment success Birth of a child with an infectious or genetic disease following ART with donor gametes or embryos
3- Life-threatening	Major intervention necessary to prevent death Evidence of a life threatening transmissible infection Birth of a child with life threatening genetic disease following ART with donor gametes of embryos
4 - Fatal	Death of the patient

**Supplementary Table 3.** Definitions of the different levels of detectability

LEVEL OF DETECTABILITY		DEFINITION
1 - Very high		The potential defect will almost certainly be detected before clinical application in the recipient
2 - Moderately high		There is a reasonable chance that the potential defect will be detected before clinical application in the recipient
3- Low		There is a low chance that the potential defect will be detected before clinical application in the recipient
4 – Very low		It is unlikely that the potential defect will be detected before clinical application in the recipient
5 - Cannot be detected		The potential defect will be detected only after clinical application in the recipient

**Supplementary Table 4.** Definitions of the different percentages of risk reduction

PERCENTAGE RISK REDUCTION		DEFINITION
0	None	There is no relevant data available to support reducing the calculated risk score
25	Limited	There is a moderate relevant data available to support reducing the calculated risk score, based predominantly on unpublished data
50	Moderate	There is moderate amount of good quality relevant data available to support reducing the calculated risk score, including published and unpublished data from external sources, and some data which has been through an independent peer review process
75	Substantial	There is high quality relevant data to support reducing the calculated risk score, including data that has been peer reviewed and published
95	Extensive	There is an extensive amount of high quality relevant data, including multiple peer reviewed publications, that demonstrates that the probability of the risk occurring, having a significant impact, and/or being undetected is negligible