

**Impact of fetal maceration grade on risk of maternal disseminated intravascular
coagulation after intrauterine fetal death – A retrospective cohort study**

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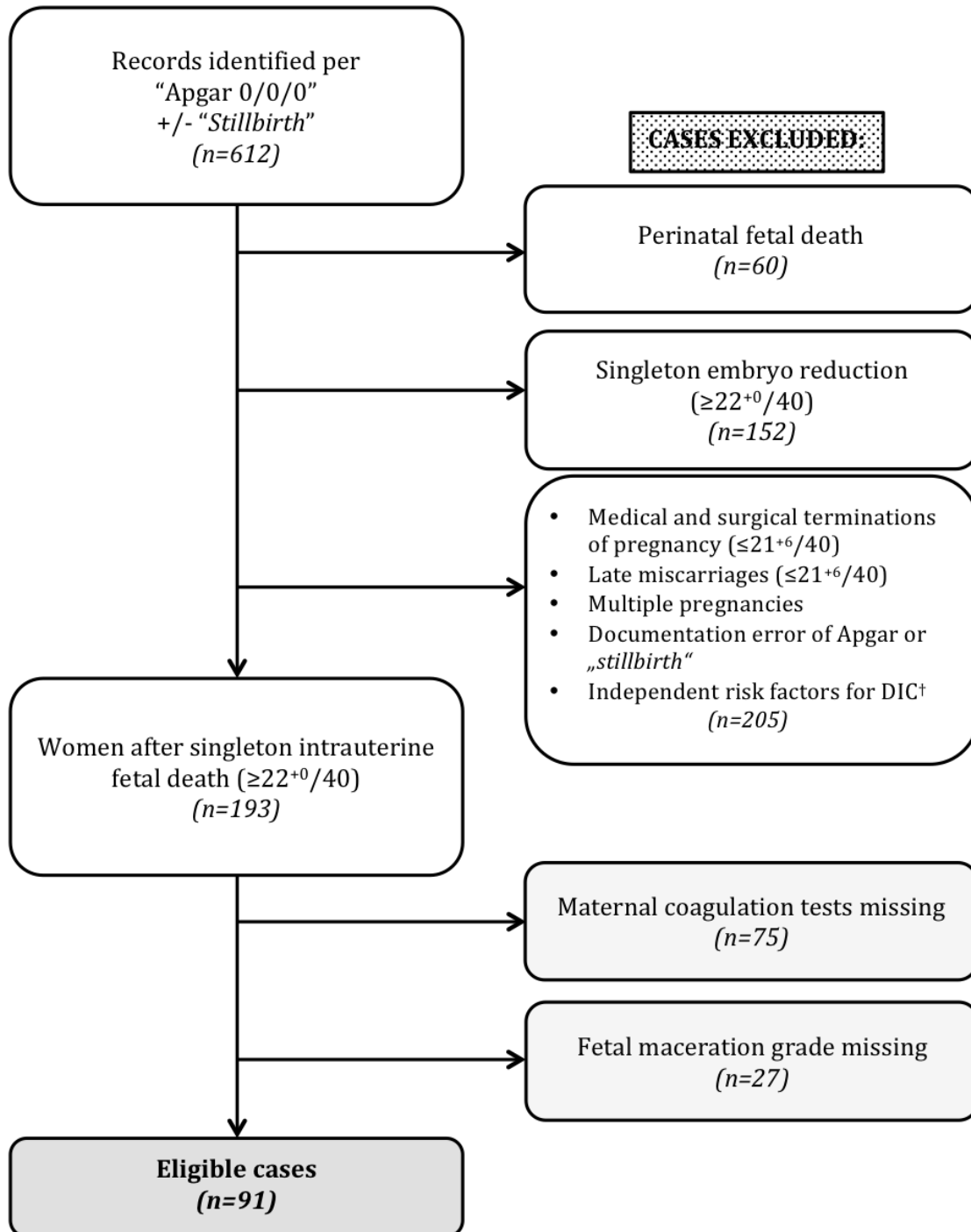
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Supplementary Figure 1 Flow diagram on the patients' selection from ViewPoint® database between 2003–2017

Abbreviations: DIC Disseminated intravascular coagulation; *n* Number; † Acute postpartum hemorrhage (secondary to uterine atony, trauma or retained tissue), placental abruption, severe pre-eclampsia, HELLP, maternal sepsis, intra-amniotic infection, acute fatty liver, amniotic fluid embolism.



Supplementary Table 1 Maternal characteristics of women with positive Erez score (n=6)

Abbreviations: *IUFD* Intrauterine fetal death; *IUGR* Intrauterine growth restriction; *LSCS* Lower segment caesarean section; *n/a* not applicable due to missing data

	Patients Nr	1	2	3	4	5	6
Maternal characteristics	Ethnicity	Middle European, white Caucasian	Middle European, white Caucasian	Eastern European, white Caucasian	Middle European, white Caucasian	Middle European, white Caucasian	Middle European, white Caucasian
	Maternal age [years]	39	31	25	33	35	33
	BMI [kg/m ²]	n/a	n/a	n/a	n/a	26.35	32.95
	Gravida	1	3	1	1	2	2
	Para	0	0	0	0	1	1
	Patient's history	Unremarkable	2x previous miscarriages	Unremarkable	Lupus erythematoses	1x previous LSCS	Unremarkable
	Mode of conception	In-vitro fertilisation	Spontaneous	n/a	Spontaneous	Spontaneous	Spontaneous
	Nicotine	no	no	n/a	no	no	no
	Alcohol	no	no	no	no	no	no
	Illicit drugs	no	no	no	no	no	no
	IUFD-Pregnancy characteristics	Gestational weeks (at IUFD)	25	22	23	24	38
(+) Gestational days		3	6	6	5	1	0
Fetal sex		Female	Male	Female	Male	Male	Female
Pathologies during pregnancy		IUGR, Oligohydramnios	IUGR	None	IUGR, treated pre-eclampsia	IUGR	Insulin-treated gestational diabetes, polyhydramnios
Pathology report	Fetal pathology (as per autopsy report)	Massive cardiac hypertrophy	Bilateral cleft lip, subcapsular liver hematomas, fresh brain haemorrhage	Cardiac hypertrophy	None	None	None
	Maceration Grade	0	0	I	II	II	III
	Fetal weight [g]	500	365	600	500	2560	3700
	Fetal growth centiles	0.3	0.3	47.8	0.4	2.5	63.9
	Cord pathology	None	None	Edematous Wharton's jelly	None	2x umbilical cord entanglement, long umbilical cord (64 cm)	True umbilical knot, long umbilical cord (≥40 cm)
	Placental histology (Turowski et al.) ⁵³	Maternal circulatory disorder (Category 4); Delayed villous maturation (Category 6)	Maternal circulatory disorder (Category 4)	Normal (Category 1)	Maternal circulatory disorder (Category 4)	Implantation disorder (Category 8)	Normal (Category 1)
	Cause of IUFD (Tulip)	2.2.1. Placental bed pathology + 2.2.2. Placental development pathology	1.11.2. Congenital anomaly - other (multiple organs)	6. Unknown - Despite thorough investigation	2.2.1. Placental bed pathology + 2.2.2. Placental development pathology	2.3. Umbilical cord complication	2.3. Umbilical cord complication
Coagulation parameters	Blood loss [ml]	500	150	800	200	500	100
	Platelet count [G/L]	97	46	29	108	67	62
	Prothrombin time [%]	104	78	25	75	59	68
	Fibrinogen [g/dl]	2.7	2.66	1.93	2.85	1.93	1.14
	Erez Score [pos ≥27]	27	26	51	26	52	39