Maternal and Fetal Adverse Event Terminology (MFAET) v1.1, 2022

Table of contents

Guidance on the use of the MFAET severity grading criteria3
Maternal Adverse Events
Haemorrhage in pregnancy: maternal5
Postpartum haemorrhage5
Anaemia in pregnancy: maternal5
Gestational hypertension6
Pre-eclampsia6
Eclampsia6
Preterm premature rupture of membranes: maternal7
Premature labour7
Chorioamnionitis: maternal7
Puerperal infection8
Amniotic fluid embolism8
Retained placenta or membranes8
Fetal Adverse Events
Generic grading criteria for fetal adverse events9
Fetal fluid collection
Fetal bradycardia: non-labour10

Fetal tachyarrhythmia	1
Fetal cardiac function abnormalities	11
Fetal musculoskeletal imaging abnormal	11
Fetal brain scan abnormal	12
Fetal movement disorders	12
Fetal gastrointestinal tract imaging abnormal	13
Fetal renal imaging abnormal	13
Fetal neoplasm	13
Fetal structural abnormalities: not otherwise classified	14
Haemorrhage in pregnancy: fetal	14
Anaemia in pregnancy: fetal	14
Preterm premature rupture of membranes: fetal	15
Chorioamnionitis: fetal	15
Abnormal fetal growth	16
Fetal procedural haemorrhage	16
Fetal post-procedural haemorrhage	17
Fetal intra-operative injury	17

Guidance on the use of the MFAET severity grading criteria¹

Adverse Events

An adverse event (AE) is "any untoward medical occurrence in a patient or clinical trial participant administered a medicinal product and which does not necessarily have a causal relationship with this treatment"². Each AE is reviewed to determine (1) whether it meets the definition of 'serious'²:

- Results in death
- Is life-threatening
- Requires inpatient hospitalisation or results in prolongation of existing hospitalisation
- Results in persistent or significant disability/incapacity
- Is a congenital anomaly/birth defect
- Is a medically important event or reaction

(2) whether it is possibly, probably or definitely related to the intervention (i.e. is a reaction). The event is then classified as:

	Serious	Reaction
Adverse event (AE)	х	х
Adverse reaction (AR)	х	✓
Serious adverse event (SAE)	✓	х
Serious adverse reaction (SAR)	✓	✓

Grading the severity of AEs provides additional safety information. It does not replace the regulatory requirements for AE assessment described above.

Adverse Event Terms

The terms used in these criteria reference the corresponding Lowest Level Terms (LLTs) from the Medical Dictionary for Regulatory Activities (MedDRA)³.

Definitions

A brief definition is provided to clarify the meaning of each AE term. These definitions are not designed to be used for clinical diagnosis.

Adverse Event Grades

Grade refers to the severity of the AE. The grading of defined maternal AEs is based on the generic criteria from the NCI Common Terminology Criteria for Adverse Events (CTCAE), adapted for pregnancy. The grading of defined fetal AEs is based on the 'generic grading criteria for fetal adverse events' (page 9).

AEs are graded from 1 to 5:

Grade 1: mild

Grade 2: moderate

Grade 3: severe or medically significant

Grade 4: life-threatening

Grade 5: death

If an AE fulfils the criteria for more than one grade of severity, the highest applicable grade should be used.

Not all grades are appropriate for all AEs. A single dash (-) indicates that grade is not defined for a given AE.

Several fetal AEs only include definitions for grades 2 (moderate) and 4 (life-threatening). This is because current methods of investigating the fetus and predicting short- and long-term prognosis are often not sufficient to differentiate between mild and moderate events and between severe and life-threatening events.

Death resulting from any AE is graded as 5.

A semicolon indicates 'or' within the description of a grade.

Maternal thromboembolic events during pregnancy and the puerperium should be identified by the appropriate MedDRA Lowest Level Term (LLT *Venous thrombosis in pregnancy,* LLT *Postpartum venous thrombosis,* or LLT *Obstetrical pulmonary embolism*) and graded according to the CTCAE criteria for 'Thromboembolic event'.

Neonatal Adverse Events

Neonatal AEs should be graded using the International Neonatal Consortium (INC) Neonatal AE Severity Scale (NAESS).⁴

Maternal and Fetal Adverse Events

Some AEs have the potential to differentially affect the pregnant woman and the fetus (haemorrhage in pregnancy, preterm premature rupture of membranes, chorioamnionitis and anaemia of pregnancy). It is not possible to have separate AE terms for the mother and the fetus within the structure of MedDRA, so these events should be reported using a single MedDRA term, with maternal and fetal severity gradings recorded within the trial records.

Maternal AEs not included in these criteria

Maternal procedural complications, such as pain and infection, should be identified by the appropriate MedDRA Lowest Level Term and graded according to CTCAE criteria.

¹Adapted from the introductory section to the CTCAE v5.0. U.S. Department of Health and Human Services. Common Terminology Criteria for Adverse Events (CTCAE) Version 5.0, 2017.

²International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human use. ICH Harmonised Tripartite Guideline. Post-approval Safety Data Management: Definitions and Standards for Expedited Reporting E2D. 2003.

³https://www.meddra.org/

⁴https://ncit.nci.nih.gov/ncitbrowser/ajax?action=create src vs tr ee&vsd uri=http://evs.nci.nih.gov/valueset/INC/C154914

MFAET v1.1, 2022 4

MATERNAL ADVERSE EVENTS

Maternal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Haemorrhage in	Staining, streaking of	Blood loss of 50 to	Blood loss of 250-1000ml	Blood loss >1000ml; signs
pregnancy: maternal	blood spotting noted on	<250ml with no signs of	with no signs of clinical	of clinical shock
	underwear or sanitary	clinical shock	shock	
MedDRA LLT:	protection; blood loss <			
Haemorrhage in	50ml that has settled			
pregnancy				
Definition: Bleeding from o	r in the genital tract during p	regnancy, prior to the birth c	of the baby	
Postpartum	Estimated blood loss 501-	Estimated blood loss	Estimated blood loss	Hysterectomy;
haemorrhage	1000ml without	1001-2000ml; estimated	>2000ml; transfusion <5	hypogastric or uterine
	haemodynamic instability	blood loss 501-1000ml	units packed red cells;	artery ligation; shock;
MedDRA LLT: Postpartum		with haemodynamic	balloon tamponade;	transfusion of 5 units or
haemorrhage		instability	surgical intervention	more of packed red cells;
			(excluding hypogastric or	coagulopathy
			uterine artery ligation or	
			hysterectomy);	
			interventional radiology	
Definition: The loss of 500r	nl or more of blood from the	genital tract within 24 hours	of the birth of a baby	
Anaemia of pregnancy:	Haemoglobin 7.0-10.5	Haemoglobin 7.0-10.5	Haemoglobin <7.0 g/dl;	Urgent intervention
maternal	g/dl; 4.4-6.5 mol/l; 70-105	g/dl; 4.4-6.5 mol/l; 70-105	<4.4 mmol/l; <70 g/l;	indicated; imminent
	g/l and no intervention	g/l and haemodynamically	transfusion indicated	cardiac compromise
MedDRA LLT: Anaemia of	indicated	stable but oral iron		
pregnancy		indicated		
	terised by a reduction in the	amount of haemoglobin in th	ie blood occurring during pre	egnancy or the puerperium,
in the absence of haemoglo	poinopatnies			

MFAET v1.1, 2022 5

Maternal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)	
Gestational hypertension	Systolic BP 140-149	Systolic BP 150-150	-	-	
	mmHg; diastolic BP 90-99	mmHg; diastolic BP 100-			
MedDRA LLT: Gestational	mmHg	109 mmHg			
hypertension					
D (1) 11		. !			
	rtension (diastolic BP 90 mm	Hg or more, systolic BP 140 r	nmHg or more) presenting at	ter 20 weeks' gestation in	
the absence of indicators of	, '				
Pre-eclampsia	Systolic BP 140-149	Systolic BP 150-159	Systolic BP >160 mmHg;	Pulmonary oedema;	
	mmHg with significant	mmHg with significant	diastolic BP >110 mmHg;	stroke; positive inotrope	
MedDRA LLT: Pre-	proteinuria and without	proteinuria and without	platelets <100,000; severe	support; myocardial	
eclampsia	severe signs; diastolic BP	severe signs; diastolic BP	persistent right upper	ischaemia or infarction;	
	90-99 mmHg with	100-109 mmHg with	quadrant or epigastric	platelets <50,000; HELLP	
	significant proteinuria and	significant proteinuria and	pain unresponsive to	syndrome (haemolysis,	
	without severe signs	without severe signs	medication with no other	elevated liver enzymes,	
	without sever e signs	with our sever e signs	cause; AST or ALT 2x	low platelets)	
			upper limit of normal for	low platelets,	
			pregnancy or more;		
			serum creatinine >1.1		
			mg/dl; new-onset		
			cerebral or visual		
			disturbance		
Definition: New onset hype	rtension (diastolic 90 mmHg	or more, systolic BP 140 mm	Hg or more) presenting after	20 weeks' gestation with	
Definition: New onset hypertension (diastolic 90 mmHg or more, systolic BP 140 mmHg or more) presenting after 20 weeks' gestation with one or more indicator of pre-eclampsia					
Eclampsia	-	-	-	Eclampsia	
MedDRA LLT: Eclampsia					
Definition: Congralised mat	ernal seizures between 20 w	vooks' gostation and up to 30	days after delivery not attrib	autable to any other	

condition

Maternal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)			
Preterm premature	-	Preterm premature	-	-			
rupture of membranes:		rupture of membranes					
maternal							
MedDRA LLT: Preterm							
premature rupture of							
membranes							
Definition: The rupture of r	nembranes before labour and	d before 37 weeks of gestation	on				
Premature labour	-	Symptoms of premature labour	-	-			
MedDRA LLT: Premature							
labour							
Definition: Symptoms of Ial	oour before 37 weeks of gest	ation with or without preter	m deliverv				
Chorioamnionitis:	Histological, biochemical	Maternal fever of 38-40	Clinically or pathologically	Clinically or pathologically			
maternal	or microbiological	°C (100.4-104.0 °F) and:	diagnosed	diagnosed			
	evidence of	maternal leukocytosis	chorioamnionitis and	chorioamnionitis and:			
MedDRA LLT:	chorioamnionitis from	(>15,000 cells/mm ³); fetal	fever >40 °C (104.0 °F) for	fever >40 °C (104.0 °F) for			
Chorioamnionitis	placental or amniotic fluid	tachycardia (>160bpm);	<24 hours	>24 hours; septic shock;			
	examination in the	maternal tachycardia		coagulopathy; adult			
	absence of clinical signs in	(>100bpm); foul odour of		respiratory distress			
	the fetus or mother	amniotic fluid; uterine		syndrome;			
		tenderness between					
		contractions					
Definition: Inflammation of	Definition: Inflammation of the chorion, amnion, and/or placenta						

MFAET v1.1, 2022 7

Maternal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Puerperal infection	-	Genital tract infection in	Genital tract infection	Genital tract infection
		the absence of severe or	with severe symptoms	and: septic shock; organ
MedDRA LLT: Puerperal		life-threatening	requiring intravenous	failure; requirement for
infection		symptoms, oral antibiotics	antibiotics	admission to intensive
		indicated		care
Definition: Infection of the	genital tract occurring from t	ho timo of giving hirth to 6 w	vooks nostnatally, oveluding y	aginal voast infaction
Amniotic fluid embolism		The time of giving biltin to 6 w	Clinical diagnosis of	Clinical diagnosis of
Allimotic fluid embolism	-	-	amniotic fluid embolism	amniotic fluid embolism
 MedDRA LLT: <i>Amniotic</i>			in the absence of life-	with cardiac arrest; coma;
fluid embolism			threatening features	seizures; disseminated
Julia ciribonsini			tin eatening reacares	intravascular coagulation;
				requirement for
				admission to intensive
				care unit
	'	•	'	'
Definition: Embolisation of	amniotic fluid into the mater	nal circulation		
Retained placenta or	Passage of placental	Minimal, local, or non-	Surgical evacuation of the	-
membranes	tissue or membranes >24	invasive intervention	uterus	
	hours after delivery,	required to deliver the		
MedDRA LLT: Retained	intervention not indicated	placenta following vaginal		
placenta or membranes		birth (not including		
		routine active		
		management); manual		
		removal of placenta		
	6.1			
Definition: Delayed delivery	of the placenta and/or mem	ibranes according to local cri	teria	

FETAL ADVERSE EVENTS

Generic grading criteria for fetal adverse events						
Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)	Grade 5 (death)		
Clinical observation of uncertain significance; resolves spontaneously with low risk of long-term consequences	Likely to resolve spontaneously with low risk of long-term consequences; requires increased frequency of monitoring, but less than once a week; requires additional tests	Requires increased frequency of monitoring, once a week or more; likely to lead to significant neonatal morbidity	Likely to lead to fetal injury or permanent disability; likely to lead to neonatal death; requiring a substantive change in management including changing the course of an interventional procedure or necessitating delivery	Fetal death		

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Fetal fluid collection	1	New onset isolated	New onset accumulation	New onset accumulation
		pericardial, pleural, or	of fluid in at least two	of fluid in at least two
MedDRA LLT: Fetal		peritoneal fluid collection	fetal compartments	fetal compartments
compartment fluid		or skin oedema, which is	(hydrops) which resolves	(hydrops) which is
collection		not life-threatening	spontaneously	sustained; life-threatening
				isolated pericardial,
				pleural, or peritoneal fluid
				collection
and/or skin oedema)	non-haemorrhagic fluid in o	ne or more fetal compartme A decrease in the fetal	nt (pericardial space, pleural	space, peritoneal cavity, A decrease in the fetal
Fetal bradycardia	-		-	
		heart rate of more than		heart rate of more than
MedDRA LLT: Fetal		30 beats per minute to a		30 beats per minute to a
bradycardia		level below the lower		level below the lower
		limit of normal for		limit of normal for
		gestation according to		gestation, according to
		local criteria, lasting for		local criteria, lasting for
		less than 3 minutes		more than 3 minutes; a
				decrease in the fetal heart
				rate of more than 30
				beats per minute
				requiring a change in the
				course of an
				interventional procedure or necessitating delivery

10

Definition: A decrease in the fetal heart rate of more than 30 beats per minute to a level below the lower limit of normal for gestation

according to local criteria, lasting for more than 1 minute

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Fetal tachyarrhythmia	Resolves spontaneously	-	-	Likely to lead to fetal
	with a low risk of long-			injury or permanent
MedDRA LLT: Fetal	term consequences			disability; requiring a
tachyarrhythmia				substantive change in
				management including
				changing the course of an
				interventional procedure
				or necessitating delivery
Definition: A sustained abr	normal fetal heart rhythm wit	h a fetal heart rate above th	ne upper limit of normal for ge	station according to local
Fetal cardiac function	-	-	Non-life-threatening signs	Likely to lead to fetal
abnormalities			of cardiac failure,	injury or permanent
			including cardiomegaly	disability; requiring a
MedDRA LLT: Cardiac			and valve regurgitation	substantive change in
function test abnormal				management including
				changing the course of an
				interventional procedure
				or necessitating delivery
Definition: An abnormality	in fetal cardiac function			
Fetal musculoskeletal	-	Limb or digit deformity	Limb or digit loss; limb or	-
imaging abnormal		not expected to cause	digit deformity expected	
		long-term disability	to cause long-term	
MedDRA LLT: Fetal			disability	
musculoskeletal imaging				
abnormal				
Definition: New loss or def	formity of a fetal limb or digit			

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Fetal brain scan	-	An abnormality of	-	Haemorrhage; ischaemia;
abnormal		uncertain neurological		an abnormality likely to
		significance which does		lead to permanent
MedDRA LLT: Brain scan		not fulfil the criteria for		disability; an abnormality
abnormal		Level 4 (life-threatening)		requiring a substantive
				change in management
				including changing the
				course of an
				interventional procedure
				or necessitating delivery
Definition: A newly identifie	ed change on fetal brain imag	ing, outside the scope of nor	rmal brain development	
Fetal movement	-	-	-	A complete and sustained
disorders				loss of fetal movement
				including breathing,
MedDRA LLT: <i>Fetal</i>				swallowing, and limb
movement disorder				movements; sustained
				fetal hypertonia or
				abnormal fetal posture
				suggestive of neurological
				damage
Definition: A new abnormal	ity of fetal movement, obser	ved on ultrasound scan		

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Fetal gastrointestinal tract imaging abnormal MedDRA LLT: Fetal gastrointestinal tract imaging abnormal	-	Hyperechogenic dilated bowel	Imaging appearance highly suggestive of bowel necrosis or perforation	-
Definition: New abnormalit		tal gastrointestinal tract on i		
Fetal renal imaging abnormal	Renal pelvis antero- posterior diameter 4 to <7mm in the second	Reduced diuresis, as indicated by reduced bladder filling and/or	Renal pelvis antero- posterior diameter >15mm in the third	Sustained anuria, as evidenced by severe oligohydramnios or
MedDRA LLT: Fetal renal imaging abnormal	trimester; renal pelvis antero-posterior diameter 7 to <9mm in the third trimester	oligohydramnios not attributable to another cause; hyperechogenic kidney(s); abnormal kidney size; renal pelvis antero-posterior diameter 7 to 10mm in the second trimester; renal pelvis antero-posterior diameter 9 to 15mm in the third trimester	trimester	anhydramnios, which is likely to result from renal failure and which is either life-threatening or expected to have long-term consequences
Definition: New abnormality	y in the structure or function	of the fetal kidney(s) on ima	ging	
Fetal neoplasm MedDRA LLT: Neoplasm	-	-	Newly diagnosed fetal neoplasm which is not life-threatening	Newly diagnosed life- threatening fetal neoplasm
Definition: A benign or mali	gnant abnormal fetal mass (e	excluding any collection of bl	ood or fluid, or haematoma)	

abnormalities: not otherwise classified structural abnormality which is not life-threatening structural abnormality which is not life-threatening structural abnormality structural	Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
MedDRA LLT: Fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Fetal structural	-	-	Newly diagnosed fetal	Newly diagnosed life-
MedDRA LLT: Fetal malformation Definition: A new abnormality in the structural development of the fetus, not classified elsewhere Haemorrhage in pregnancy: fetal compromise including pathological cardiotocograph, signs of fetal anaemia or need for delivery Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: Pathological cardiotocograph; fetal indication for delivery Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	abnormalities: not			structural abnormality	threatening fetal
MedDRA LLT: Fetal malformation Definition: A new abnormality in the structural development of the fetus, not classified elsewhere Haemorrhage in	otherwise classified			which is not life-	structural abnormality
Definition: A new abnormality in the structural development of the fetus, not classified elsewhere Haemorrhage in				threatening	
Definition: A new abnormality in the structural development of the fetus, not classified elsewhere Haemorrhage in	MedDRA LLT: <i>Fetal</i>				
Haemorrhage in pregnancy: fetal Evidence of fetal compromise including pathological cardiotocograph, signs of fetal anaemia or need for delivery Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: Pathological cardiotocograph; fetal indication for delivery MedDRA LLT: Anaemia of pregnancy: Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	malformation				
Haemorrhage in pregnancy: fetal Evidence of fetal compromise including pathological cardiotocograph, signs of fetal anaemia or need for delivery Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: Pathological cardiotocograph; fetal indication for delivery MedDRA LLT: Anaemia of pregnancy: Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Definition: A new abnorma	lity in the structural developr	ment of the fetus, not classifi	ed elsewhere	
medDRA LLT: Haemorrhage in pregnancy Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Haemorrhage in	-	-	-	Evidence of fetal
MedDRA LLT: Haemorrhage in pregnancy Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	pregnancy: fetal				compromise including
Haemorrhage in pregnancy Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: fetal Pathological cardiotocograph; fetal indication for delivery Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the					pathological
Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	MedDRA LLT:				cardiotocograph, signs of
Definition: Bleeding from or in the maternal genital tract during pregnancy, prior to the birth of the baby Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Haemorrhage in				fetal anaemia or need for
Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	pregnancy				delivery
Anaemia of pregnancy: fetal MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Definition: Bleeding from o	r in the maternal genital trac	t during pregnancy, prior to t	he birth of the baby	
MedDRA LLT: Anaemia of pregnancy indication for delivery Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	Anaemia of pregnancy:	-	-	-	Pathological
MedDRA LLT: Anaemia of pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	fetal				cardiotocograph; fetal
pregnancy Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the					indication for delivery
Definition: A disorder characterised by a reduction in the amount of haemoglobin in the maternal blood occurring during pregnancy, in the	MedDRA LLT: Anaemia of				
	pregnancy				
	Definition: A disorder chara	acterised by a reduction in the	e amount of haemoglobin in t	the maternal blood occurring	g during pregnancy, in the
absence of haemoglobinopathies	absence of haemoglobinop		2 22 2 21 112211125.22011 111		2 220 b. 20

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Preterm premature	Membrane separation	Confirmed rupture of	Confirmed rupture of	Confirmed rupture of
rupture of membranes:	without confirmed	membranes between	membranes with	membranes with
fetal	rupture of membranes;	32+0 and 33+6 weeks of	persistently reduced	persistently reduced
	inter-twin membrane	gestation	amniotic fluid, as	amniotic fluid, as
MedDRA LLT: Preterm	disruption not leading to		identified by a deepest	identified by a deepest
premature rupture of	amniotic fluid leakage		vertical pool of less than 2	vertical pool of less than 2
membranes			cm on ultrasound scan,	cm on ultrasound scan, <
			between 22 and 32 weeks	22 weeks of gestation
			of gestation	
Definition: The rupture of n	nembranes before labour an	d before 37 weeks of gestation	on	
Chorioamnionitis: fetal	-	Clinically or pathologically	-	Clinically or pathologically
		diagnosed		diagnosed
MedDRA LLT:		chorioamnionitis with		chorioamnionitis with
Chorioamnionitis		fetal tachycardia >160		pathological
		beats/min but without a		cardiotocograph;
		pathological		Clinically or pathologically
		cardiotocograph		diagnosed
				chorioamnionitis with
				fetal indication for
				substantive change in
				management, including
				need for delivery
Definition: Inflammation of	the chorion, amnion, and pl	acenta		

Fetal adverse event	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Abnormal fetal growth	-	New onset increase in	-	New onset decrease in
		fetal growth velocity from		fetal growth velocity from
MedDRA LLT: Fetal		that which would be		that which would be
growth abnormality		expected, which is likely		expected, which is likely
		to have adverse		to have adverse
		consequences or results		consequences or results
		in a substantive change in		in a substantive change in
		management, including		management, including
		necessitating delivery		necessitating delivery
	l growth velocity from that w	· ·		
Fetal procedural	-	Haemorrhage which does	-	Haemorrhage which
haemorrhage		not have life-threatening		results in life-threatening
		physiological		consequences for the
MedDRA LLT: Procedural		consequences for the		fetus; Haemorrhage
haemorrhage		fetus and which does not		requiring a substantive
		require intervention		change in management
				including necessitating
				delivery

Definition: A local or remote haemorrhage occurring after, and as a result of, a fetal interventional procedure, including haemorrhage in the fetus, feto-maternal haemorrhage and maternal haemorrhage

	Grade 1 (mild)	Grade 2 (moderate)	Grade 3 (severe)	Grade 4 (life-threatening)
Fetal post-procedural	-	Haemorrhage which does	-	Haemorrhage which
haemorrhage		not have life-threatening		results in life-threatening
		physiological		consequences for the
MedDRA LLT: <i>Post</i>		consequences for the		fetus; Haemorrhage
procedural haemorrhage		fetus and which does not		requiring a substantive
		require intervention		change in management
				including necessitating
				delivery
Definition: A local or remote h	haemorrhage occurring afto	er, and as a result of, a fetal	interventional procedure, inc	luding haemorrhage in the
fetus, feto-maternal haemorr	-	rrhage		
fetus, feto-maternal haemorri Fetal intra-operative	-	rrhage Unintended damage to a	Unintended damage to a	Unintended damage to a
fetus, feto-maternal haemorr	-	rrhage Unintended damage to a fetal organ, not requiring	Unintended damage to a fetal organ which requires	Unintended damage to a fetal organ which is life-
fetus, feto-maternal haemorri Fetal intra-operative	-	rrhage Unintended damage to a	Unintended damage to a fetal organ which requires future intervention but is	Unintended damage to a fetal organ which is life-threatening or is expected
fetus, feto-maternal haemorri Fetal intra-operative injury	-	rrhage Unintended damage to a fetal organ, not requiring	Unintended damage to a fetal organ which requires	Unintended damage to a fetal organ which is life-