

MTMH Apgar scores 5 or 6 at 5 minutes Total 67 patients

Pink rows are those where a FHR change was identified before birth by mother or staff prior to delivery.

Number	FHR normal	FHR abnormal C = contractions	ACTIONS Mode of Delivery	Any obstetric disorder. Yes/No If yes describe	Apgar 1-5 mins	Neonatal resus min?	NICU Admit days	Seizures in NICU	Presence of Birth Asphyxia
1.	5c		CS	Retained second twin Meconium	5-6	Yes	10	0	SBA
2.	0	3c 117-119 on arrive clinic	CS LLT, IVF, D50	2.6Kg Long stay in clinic says Mum	4-6	2	6	0	SBA
3.	5c	3c 113-115	CS LLT, IVF, D50	Placenta praevia 2.4Kg	4-6	1	0	0	SBA
4.	0	1c 102-119 on arrive	VD, LLT, IVF, D50	Fully dilated birthing chair 2.5Kg	3-5	10	5	0	SBA
5.	2c		VD Push rapid	Fully dilated head visible 1.9Kg	4-6	5	5	0	SBA
6.	0	3c 116-119	CS LLT, IVF, D50	Transverse lie, polyhydramnios 2.0Kg	5-6	NR	3	0	SBA
7.	11c		VD Breech	CS planned but delay in materials thus VD 2.0Kg	5-6	5	4	0	SBA
8.	6c		VD	3.5Kg	4-5	15	5	1 -2 min	HIE
9.	3c	5c 114-119	CS LLT, IVF, D50	2.8Kg Eclampsia, obstructed labour	3-5	6	8	1-3min	HIE
10.	2c	4c 117-119	IVF VD	3.3Kg	4-5	20	11	1-5min	HIE

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11.	5c	6c 116-119	IVF, CS refused at 5cm VD	3.8Kg	3-5	15	7	0	SBA
12.	2c	4c 115-119	Fully dilated, IVF VD	Stayed long at home Birthing chair 3.4Kg	2-5	5	4	0	SBA
13.	0	c 112-119	Fully dilated, IVF VD	Stayed long at home 3.4Kg	5-6	15	5	1-2min	HIE
14.	0	c 115-119 on arrive	IVF, LLT, CS DELAY 3.5Kg	Major delay CS as family trying obtain materials	3-5	NR	2	0	SBA
15.	5c		VD	Meconium 2.9Kg	3-5	10	9	0	SBA
16.	2c	C118-119 on arrive	IVF VD	3.6Kg	4-5	5	7	0	SBA
17.	2c		VD severe exhaustion	2.9Kg	3-6	NR	0	0	SBA
18.	8c		VD		4-6	6	Yes	0	SBA
19.	6c		VD	2.8Kg	3-5	4	8	1-3min	HIE
20.	5c	c 100-189	IVF D50 VD	2.7Kg	3-5	NR	3	0	SBA
21.	2c		VD	1.8Kg	5-6	3	8	0	SBA
22.	0	4c 116-119 on arrive	IVF D50 VD	2.1Kg	4-6	3	4	0	SBA
23.	5c		VD	3.1Kg	3-6	5	8	0	SBA
24.	3c	4c 110-118	IVF D50 CS	3.2Kg	4-6	7	16	1 =every 25 min for 4hr	HIE
25.	3c	4c 160-176	Fully dilated on arrive VD	2.7Kg preterm	4-6	2	4	0	SBA
26.	0	c115-119 on arrive from home	LLT, IVF. CS	3.2Kg	4-6	NR	5	0	SBA
27.	1c	2c118-119 on arrive Fully dil	IVF D50 VD	3.1Kg	4-6	6	5	1-2min	HIE
28.	0	4c 117-119 on arrive	IVF, birthing chair VD	3.3Kg	4-5	3	6	0	SBA

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29.	3c	c114-119	Arrive home LLT, IVF, D50 CS	APH, placenta praevia Grade 4 1.6Kg	4-6	4	9	1-1min	HIE
30.	2c	c 110	IVF,D50 VD	Cord entangled	4-5	5	7	0	SBA
31.	8c		VD		5-6	6	Yes	NR	SBA
32.	12c	2c 116-121	IVF D50 VD	2.6Kg	3-5	5	8	0	SBA
33.	10c		VD	2.5Kg	4-6	3	6	0	SBA
34.		3c 105-119 on arrive long time home	LLT, IVF, D50 VD	2.5Kg	5-6	3	7	0	SBA
35.	5c	9c 116-120	LLT, IVF, Birth chair VD		3-6	2	4	0	SBA
36.	6c	2c 107	LLT, IVF, D50 VD	2.7Kg	3-5	4	7	0	SBA
37.		5c 105-108 on arrival	LLT, IVF, CS	Obstructed labour 3.3Kg	1-5	10	7	0	SBA
38.	3c	4c 106-112	LLT, IVF, D50 CS MgSO4	Convulsion at clinic after unconscious at home Preterm 1.5Kg	1-6	6	18	1-4min	HIE
39.		106-108	VD	2.4Kg	4-6	2	23	1-3min	HIE
40.	11c	6 change but no values	IVF VD	3.0Kg	4-6	1	Yes NR	0	SBA
41.	8c	6c 170-161 then normal for 5c then 3c 117-120	LLT, IVF, CS	3.0Kg	2-5	6	6	0	SBA
42.	11c	7c 108-120	Push as fully IVF, VD	2.8Kg	5-6	3	6	0	SBA
43.		4c 107-110 Fully on arrival	LLT, IVF, D50 VD	Stayed long at home	4-6	5	6	0	SBA

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44.		2c 102-107 165 to 198 during CS	LLT, IVF,CS	Delay CS 1030hr -1125hr Cord prolapse	5-6	10	12	1-2min	HIE
45.	7c	4c 109-120	VD	3.0Kg	4-5	3	6	0	SBA
46.	3c	2 abnormal values	CS	Previous CS x 1 Arrest descent 3.6Kg	4-6	3	6	0	SBA
47.		4c 98-106	VD	3.0kg	3-5	2	3	0	SBA
48.		On arrive from clinic 4c 90-107	Fully dilated and push VD	Breech 2.9 Kg	2-5	3	7	0	SBA
49.		On arrive 5c 100-110	VD	3.8Kg	3-6	15	5	1-4min	HIE
50.		On arrive 5c 100-109	IVF VD	3.0Kg	3-5	2	5	0	SBA
51.		On arrive home 3c 101-114	LLT, IVF, D50 VD	4Kg	5-6	5	6	0	SBA
52.	17c	5c 106-114	IVF Push VD	3.4Kg	2-6	10	7	0	SBA
53.	17c	5c 187-195	CS	Pre eclampsia and twins	5-6	7	5	0	SBA
54.	5c	4c 118-120	Unable push Vacuum	2.8Kg	3-6	4	3	0	SBA
55.	13c	6c changes not given	VD	3.6Kg	2-6	3	8	0	SBA
56.	18c	4c 108-117	IVF Push VD	Meconium 2.9Kg	2-6	10	7	0	SBA
57.	11c	11c 103-117	IVF Oxytocin Unable push VD	3.0Kg	3-5	20	9	1-5min	HIE
58.	18c	101-111	IVF Oxytocin Unable push VD	3.1KG	3-6	12	6	0	SBA
59.	15c	3c 168-197	IVF Refused push Vacuum	Meconium 2.7Kg	4-6	6	6	0	SBA
60.	6c	5c 106-111	IVF VD	2.9Kg	2-6	5	6	0	SBA
61.	1c	2c 100-110	IVF LLT Fully Dil Push VD	3.3Kg	3-5	8	9	0	SBA

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62.	4c		Fully dilated from home IVF Birth chair VD	Meconium 3.1Kg	2-5	6	4	0	SBA
63.	11c		VD	Prolonged labour refuse push 2Kg	2-6	3	8	0	SBA
64.	4c		VD	3kg	1-5	3	6	0	SBA
65.		2c 107-109 on arrival	LLT, IVF, D50 VD	Long stay at home 2.9Kg	2-5	7	8	0	SBA
66.	6c	2c at 109-100	VD	Fully dilated Refuse push Meconium	3-5	5	7	0	SBA
67.	5c		Refuse push VD	3.4Kg	4-6	7	3	0	SBA

Comments

51 of 67 had FHR changes identified.

12 of 67 < 18 years and 8 <17 years

13 suffered HIE, 54 SBA

In 3 cases CS was delayed by lack of materials resulting in 1 a breech by vaginal delivery and 1 delay (for 1.5 hours) in CS for cord prolapse.

In one case CS was refused and a vaginal delivery undertaken.

4 cases stayed a long time at home + 1 case long time in clinic.

62 resuscitated (5 not recorded)

2 breech and 1 transverse malpresentations.

1 cord tangle, 2 placenta praevia

4 unable to or refused to push (only 1 was vacuum)

15 CS (additionally 1 had refused and vaginal delivery was undertaken), 2 vacuum (both FHR changes), 50 VD

3 Eclampsia/pre-eclampsia

2 twin pregnancies: 1 retained 2nd twin.

2 with cord prolapse

6 with meconium

Need **much more vacuum assistance** rather than relying on maternal pushing because by this stage the mother may be will mostly exhausted.

Also need earlier referral and FHR monitoring at clinics