NORMAL LABORATORY DATA

Full Blood Count

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	Day 1-7	Day 8 -1 mo	1 - 3 mo	3mo – 1yr	1-6yr	6-12yr	> 12yr (male)	> 12 yr (female)
Hb (g/dl)	14 - 22.5	10 -15	9 - 14	11.5 - 15.5	12- 15.5	13- 15.5	13.5 - 17.5	12 - 16
Critically low Hb (g/dl)	10	8	7	7	7	7	5	5

Platelets normal: 150-450 x 10⁹/L Platelets critically low: 30 x 10⁹/L

Differential Count

Basophil(%)

Eosinophil(x

Eosinophil(%)

10⁹/L)

0.75

0.0

2-1

0.75

0.1-

2.5

0.75

0.15-

1.15

0.75

0.05-

0.7

0.75

0.05-

0.7

	1	2	1mo	mo	mo	– 1y	2y	4y	5y	6y		
WBC (x10 ⁹ /L)	9-	9.5-	5-	5-15	5-15	6-	6-	5.5-	5.5-	5-	4.5-13.5	4.5-
	30	34	19.5			17.5	17.5	15.5	15.5	14.5		11
Granulocyte	6-	5-21	1-9	1-6.1	1-8.5	1.5-	1.5-	1.5-	1.5-	1.5-	1.5-8	1.4-
(x 10 ⁹ /L)	26					8.5	8.5	8.5	8.5	8.5		6.5
Granulocyte												40-
(%)												75
Lymphocyte (x	2-	2-	2.5-	2.1-	4-	4-	3-9.5	2-8	1.5-	1.5-	1.5-6.8	1.2-
10 ⁹ /L)	11	11.5	16.5	8.3	13.5	10.5			7.5	7.5		3.4
Lymphocyte(%)												15-
												41
Monocyte	0.5-	0.5-3	0.1-1	0.1-1	0.1-1	0.2-	0.2-	0.2-	0.2-	0.2-	0.11-	
(x 10 ⁹ /L)	3					8.0	8.0	8.0	8.0	8.0	0.59	
Monocyte (%)												2-10
. , ,												
Basophil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
(x 10 ⁹ /L)												

0.75

0.05-

0.7

0.75

0.04-

0.4

0.75

0.04-

0.4

0.75

0.04-

0.4

0.75

0.04-

0.4

0-0.7

0-0.7

6

Day Day D2 - 1-3 3-6 6mo 1- 2- 4- 5- 6-12y >12y

COAGULATION PROFILE

	Day 1-28	Day 28-1 year	1-11 years	>11 years	Critically high
PT (s)	12-23.5	Pls refer to lab report	12.5-17	12.5-16.5	60.1
PTT (s)	35-52	Pls refer to lab report	27.5-45	25-40	100.1

	Day 1	> 3 months	Critically high
INR	0.9-2.7	0.9-1.2	>5

	Day 1- 5 months	5 months – 15 years	> 15 years
Bleeding time (min)	0.85-1.65	1.3-8.99	2-8
Critically high	5.01	20.01	20.01

DIC SCREEN

D-dimer < 0.5mg/ml

Fibrinogen 5.3-14.1 umol/L

Soluble fibrin monomer normally negative

BIOCHEMISTRY

Total Ca

Ionic Ca

2.27-2.79

1.14-1.32

2.27-2.79

1.14-1.32

Electrolyte	Day 1-1 month	1 month -1 year	1-2 years	2-12 years	>12 years	Critically high	Critically low
Na (mmol/L)	135-145	135-145	135-145	135-145	135-145	160	120
K(mmol/L)	3.9-5.9	4.1-5.3	3.4-4.7	3.4-4.7	3.5-5.1		
K (mmol/L) Critically high	7	6	6	6	6		
K (mmol/L) Critically low	2.5	2.5	2.5	2.5	2.5		
CI	101-112	101-112	101-112	101-112	96-108	120	85
HCO3	18-27	18-29	20-30	20-30	22-30		
Mg	0.7-0.95	0.7-0.95	0.7-0.95	0.7-0.95	0.7-0.95	2	0.5
PO4	1.48-2.55	1.48-2.55	1.48-2.55	1.16-2.06	0.87-1.45		

2.15-2.72

1.14-1.32

2.15-2.72

1.14-1.32

2.15-2.72

1.14-1.32

3.3

1.63

1.5

0.75

DENIAL FLINICTION

RENAL FUNCTION			
	Day 0-12 years	> 12 years	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,	
Urea mmol/l	1.4-7.7	1.4-7.7	
Creatinine umol/l	27-80	44-141	
Oreatmine amon	27 00	77.77	

BLOOD GAS		
рH	7.35-7.45	
pO2 mmHg	75-100	
PCO2 mmHg	35-45	
Actual bicarbonate mmol/L	18-23	
BE mmol/L	-2 to 2	
SpO2 (%)	95-100	

OSMOLALITY

OSIVIOLALITY			
	normal	Critically high	Critically low
Serum osmolality (mOsm/kg)	275-305	350	200
Urine osmolality (mOsm/kg)	50-1200		

THYROID FUNCTION TEST

	Day 1-3	Day 3-30	Day 30- 5 months	5 months -13 years	13-18 years	> 18 years
FT4 (pmol/L)	25.7-64.3	11.6-28.3	10.3-25.7	10.3-25.7	10.3-25.7	10-20
TSH (mIU/L)	1-20	0.5-6	0.5-6	0.5-4.5	0.5-4.5	0.45-4.5
Free T3 (pmol/L)					5.0-8.9	5.0-8.9

LIVER FUNCTION TEST

GGT (male)

(U/L)

9-41

9-41

	Day 1 – 1 year	1-3 years	3-6 years	6-13 years	13-16 years	16- 20 years	>20 years
Albumin (g/L)	38-53	38-53	40-52	41-53	37-51	37-51	37-51
ALP (U/L)	157-363	123-374	110-345	119-351	119-351	43-206	32-103
ALT(U/L)	9-48	7-31	8-29	8-29	7-36	7-36	7-36
AST (U/L)	16-54	16-54	16-54	16-54	15-33	15-33	15-33
Direct bilirubin (umol/L)	2-7	2-7	2-7	2-7	2-7	2-7	2-7
Total protein (g/L)	53-78	53-78	62-83	62-83	62-83	62-83	62-83
GGT (female) (U/L)	5-26	5-26	5-26	5-26	5-26	5-26	5-26

	Day 1	Day 1-3	Day 3-6	Day 6- 1 month	> 1 month
Total bilirubin	34-103	34-171	26-205	26-100	3-24
(umol/L)					

9-41

9-41

9-41

9-41

9-41

OTHERS

OTHERS			
	Day 1-30	1 month- 1 year	> 1 year
Plasma ammonia (umol/L)	23-83	14-50	9-33
Amylase(U/L)	39-167	39-167	39-167
Lactate plasma (mmol/L)	0.7-2.1	0.7-2.1	0.7-2.1

	Day 1-13 years	> 13 years
CRP (mg/L)	0-9.9	0-9

	Day 1	Day 2	Day 3- 12 years	> 12 years (male)	> 12 years (female)
ESR (mm/1st	2	4	10	15	20
hour)					