

## Iron Deficient Haemophiliac.

Note on 28/10/2019 MCV was in normal range but MCH has dropped from 27.7 to 25.0 over 4 months. *Iron deficiency should have been considered at this point.*

Note on 18/11/2019 MCV to has dropped 76 in line with the MCH which is now 24.3.

The MCHC is maintained – this is a Coulter phenomenon where “more flexible cells (hypochromic)” look smaller so the MCHC normalises.

Once iron therapy has started the MCV, MCH and RDW start to rise.

Also note the correlation between APTT and Factor VIII levels.

Haematology	09-12-2019 09:25	02-12-2019 09:16	18-11-2019 09:50	28-10-2019 09:50	07-10-2019 10:00	09-09-2019 09:50	12-08-2019 09:30	15-07-2019 09:55	01-07-2019 10:08	17-06-2019 09:10
<b>FBE</b>										
<input type="checkbox"/> Hb	118	125	110	111	117	126	126	130	127	124
<input type="checkbox"/> WBC	14.85	22.84	9.77	12.21	10.15	19.41	13.55	20.13	16.70	17.00
<input type="checkbox"/> Platelets	237	311	307	303	277	310	271	437	279	269
<input type="checkbox"/> Hct	0.37	0.40	0.34	0.36	0.36	0.39	0.39	0.40	0.39	0.38
<input type="checkbox"/> MCV	86	* 83	76	80	82	83	83	83	86	86
<input type="checkbox"/> MCH	27.3	26.2	24.3	25.0	26.4	26.9	26.7	27.1	27.6	27.7
<input type="checkbox"/> MCHC	317	315	321	312	323	325	323	327	322	322
<input type="checkbox"/> RBC	4.32	4.76	4.54	4.43	4.42	4.68	4.71	4.79	4.61	4.48
<input type="checkbox"/> RDW	30.3	21.5	15.5	15.1	15.9	16.9	17.6	17.2	16.8	17.4
<input type="checkbox"/> Neutrophils	13.69	21.23	7.14	8.96	7.20	16.83	10.70	18.01	15.06	14.96
<input type="checkbox"/> Lymphocytes	0.45	0.56	0.98	1.22	1.34	0.71	1.35	0.99	0.42	0.74
<input type="checkbox"/> Monocytes	0.63	0.99	1.09	1.61	1.22	1.66	1.27	0.95	1.03	1.14
<input type="checkbox"/> Eosinophils	0.07	0.05	0.51	0.37	0.34	0.15	0.16	0.09	0.11	0.13
<input type="checkbox"/> Basophils	0.02	0.01	0.05	0.06	0.06	0.07	0.07	0.09	0.08	0.04
Morphology		* Comment	* Comment	* Comment		* Comment				
FBE Phone Comment										
<b>Coagulation</b>										
Anticoagulant?		Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
<input type="checkbox"/> INR		1.0	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.0
<input type="checkbox"/> PT		13.7	15.6	15.3	14.8	14.5	13.6	13.5	16.1	13.4
<input type="checkbox"/> APTT		* 27.8	* 51.9	* 41.3	* 38.2	* 35.6	* 31.7	* 31.0	* 34.8	* 31.4
APTT Correction										
<input type="checkbox"/> Fibrinogen Level		3.2	5.3	5.1	4.5	4.7	3.8	4.3	7.3	3.9
<input type="checkbox"/> TCT		16.4	15.9	16.4	15.9	14.9	16.0	16.8	16.3	15.1
Coag Phone Comment										
<input type="checkbox"/> D-Dimer										
<input type="checkbox"/> Factor VIII		180.0	11.0	41.0	54.0	104.0	107.0	122.0	135.0	103.0
<input type="checkbox"/> Factor IX										
<input type="checkbox"/> Factor XI										
<input type="checkbox"/> Factor XII										
<input type="checkbox"/> Factor VIII Inhib			1.6	0.9	0.4	0.4	0.5	0.5	0.4	0.4

1.) (Medium Importance) Result Comment by SYSTEM on 29 October, 2019 14:00  
 Comments : Red cells show a small number of elongated cells and occasional target cells. Neutrophilia with a left shift and hypergranulation. Platelets appear normal.

1.) (Medium Importance) Result Comment by SYSTEM on 18 November, 2019 11:35  
 Comments : Red cells show mild microcytosis, hypochromia, a small number of elongated cells and occasional target cells. White cells and platelets appear normal. Note fall in MCV. Query iron deficiency. Query reduced iron intake. Query chronic blood loss. Query impaired iron metabolism.