

Age : 66 years
Gender : M

Test	Result	Unit	Ref.Values
CHEMISTRY			
Electrol./Metabolites			
Creatinine	* 231	umol/L	70-110
eGFR	* 25		>90
ml/min/1.73m2			
Serum iron	* 3.1	umol/L	11.0-30.0
Enzymes			
Gamma GT	21	U/L	0-40
ALAT	10	U/L	0-40
Proteins			
Transferrin	2.25	g/L	1.90-3.20
%Transf.saturation	* 6	%	16-45
Ferritin	127	ug/L	10-275
CRP	* 72	mg/L	0-10
Carbohydrate metabolism			
Glucose	* 7.0	mmol/L	4.0-5.6
Tumor markers			
Total-PSA	0.73	ug/L	0.0-4.5
HEMATOLOGY			
Hemocytometry			
ESR after 1 hour	* 88	mm/hr	1-20
Hemoglobin	* 6.6	mmol/L	8.5-11.0
Hematocrit	* 0.36	L/L	0.41-0.51
MCV	* 70	fl	80-100
MCH	* 1.29	fmol	1.70-2.10
MCHC	* 18.3	mmol/L	19.3-22.5
Erythrocytes	5.13	10E12/L	4.60-6.20
Leukocytes	8.3	10E9/L	4.0-10.0
Thrombocytes	* 415	10E9/L	150-400
Differentiation (auto)			
Basophilic granulo	0.05	10E9/L	0.02-0.20
Eosinophilic granulo	0.10	10E9/L	0.02-0.50
Neutrophilic granulo	5.2	10E9/L	2.0-7.0
Lymfocytes	2.2	10E9/L	1.0-3.0
Monocytes	0.8	10E9/L	0.2-1.0
Basophilic granulo	1	%	0-2
Eosinophilic granulo	1	%	1-6
Neutrophilic granulo	62	%	40-80
Lymfocytes	26	%	20-40
Monocytes	10	%	2-10
Hemat.biochemistry			
HbA1c	* 6.4	%	4.0-6.0
ENDOCRINOLOGY			
FT4	18.9	pmol/	11.5-22.7
TSH	0.95	mE/L	0.35-5.5

Comments : Anemia with low serum iron, normal transferrin with low saturation, normal (or elevated) ferritin and elevated ESR/CRP is consistent with anemia due to inflammation. The high acute phase reaction increases ferritin and decreases transferrin, thereby masking iron deficiency. With this ferritin value iron deficiency is unlikely.