Neutropaenia	Infection (e.g. bacterial, viral, TB), cytotoxic agents, idiosyncratic drug reactions (e.g. clozapine, carbimazole, sulphonamides, beta-lactam antibiotics),		Anaemia with low MCV		iciency, thalassaemia, astic anaemia	
Neutrophilia	any cause of pancytopaenia  Infection (e.g. bacterial), inflammation (e.g. trauma, surgery, infarction, haemorrhage, malignancy, vasculitis),	neutrophils	Anaemia with high MCV	ph MCV Folate or vitamin B <sub>12</sub> deficiency, alcohol abuse, chronic liver disease, hypothyroidism, reticulocytosis, myelodysplasia		
	corticosteroids, myeloproliferative disorders		Anaemia with normal MCV		Anaemia of chronic disease, chronic renal failure, pregnancy, haemolysis,	
ymphopaenia	Infection (e.g. viral and the atypical pneumonias), sarcoidosis, corticosteroids, uraemia, any cause of pancytopaenia, common and often			deficiend deficiend		
ymphocytosis	non-specific in critical illness Infection (e.g. viral, TB, toxoplasmosis, syphilis), thyrotoxicosis, leukaemia (especially CLL), lymphoma	lymphocytes	Haemolytic anaemia (low haptog high LDH, mildly increased bilirul reticulocytosis, haemoglobinaem haemoglobinuria, positive Coom if immune-mediated)	bin, nia, bs' tests	Intrinsic red cell defects—membrane (e.g. hereditary spherocytosis), enzyme (e.g. glucose-6-phosphate dehydrogenase deficiency) or	
Atypical lymphocytes	Viral infections (e.g. EBV, CMV, HIV), toxoplasmosis, leukaemia, lymphoma, lead poisoning, drug hypersensitivity		anaemia		haemoglobin (e.g. thalassaemia)  Extrinsic insults—immune (e.g. beta-lactam antibiotics, SLE, CLL) microangiopathic haemolytic anaemias, infection (e.g. malaria), hypersplenism	
Monocytosis	TB, leukaemia, lymphoma, myelodysplasia, inflammatory bowel disease, convalescence from any infection	monocytosis	Reticulocytosis reticulocytosis	elsiq hoddi 1 ad a UAV shinke—Vi	Acute blood loss or haemorrhage, any cause of premature red cell destruction	
osinophilia	Allergic disorders, Addison's disease, parasitic infections, sarcoidosis,		Polycythaemia		Primary—polycythaemia rubra vera	
PERSONAL DESIGNATION OF THE PROPERTY OF THE PR	polyarteritis nodosa, leukaemia, lymphoma, melanoma, irradiation, convalescence from any infection	polycythaemia			Secondary—chronic hypoxaemia, tumour production of erythropoietin	
A PROBLEM TONE STRANGER IN SCHOOL	convalescence normany infocuori				Relative—haemoconcentration	
Basophilia	Infection (e.g. TB, viral), hypothyroidism, inflammatory bowel disease, post-splenectomy, leukaemia (especially CML), systemic mastocytosis, haemolysis, polycythaemia rubra vera	basophilia	Pancytopaenia	stratefunction of range of the strate of the	Reduced marrow production—cytotoxic agents, idiosyncratic drug reactions (e.g. sulphonamides, phenytoin, carbamazepine, gold), severe vitamin B <sub>12</sub> deficiency, autoantibodies (SLE),	
Erythrocyte sedimentation rate Non-specific inflammatory r		narker	ncytopenia		marrow infiltration, myelofibrosis, myelodysplasia	
	polymyaigia modinatioa, soi	ritis, ESR		oo boold 1m Notice action of the common set of	Increased peripheral cellular destruction—SLE, HIV infection, hypersplenism, paroxysmal nocturnal haemoglobinuria	