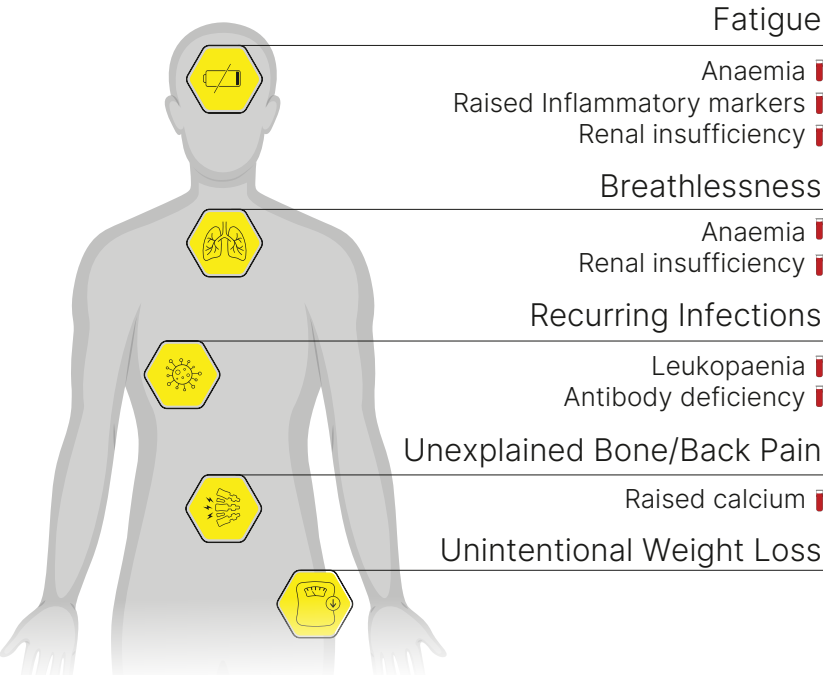


It could be Multiple Myeloma



If Multiple Myeloma or a Monoclonal Gammopathy is suspected, order serum free light chains, serum protein electrophoresis and serum immunofixation¹



Scan here to find out more

Multiple Myeloma Warning Signs and Symptoms

Some combinations of symptoms and test results should heighten suspicion of Multiple Myeloma. The table below² highlights some of these combinations. Higher positive predictive values (PPVs) are associated with an increased likelihood of a patient having Multiple Myeloma. **Initiate additional workup to assess potential Multiple Myeloma in the presence of any symptoms or blood test abnormalities suggestive of the disease³.**

Symptoms	Blood Tests													
	Risk of myeloma as a single feature	Back pain 1st episode	Back pain 2nd episode	Rib pain	Combined bone pain	Joint pain	Chest pain	Nose-bleeds	Shortness of breath	Weight loss	Nausea	Chest infection	Fracture	
Hypercalcaemia														
Raised creatinine														
Raised MCV														
Inflammatory markers raised														
Low Platelets														
Leucopenia														
Low Haemoglobin														

PPV

N/D

<1%

1-2%

2-3%

3-4%


>4%

Table adapted from Shephard² et al. 2015

1 Rajkumar SV, et al. International Myeloma Working Group updated criteria for the diagnosis of multiple myeloma. Lancet Oncol. 2014; 15:e538-e548

2 Shephard EA, et al. Quantifying the risk of multiple myeloma from symptoms reported in primary care patients: a large case-control study using electronic records. Br J Gen Pract 2015; 65:e106-13

3 Mikhael J, et al. Multiple Myeloma for the Primary Care Provider: A Practical Review to Promote Earlier Diagnosis Among Diverse Populations. Am J Med 2023; 136:33-41



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