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Treatment aims and considerations for managing HLH/MAS

Treatment aims for suspected MAS in Still's disease



Suppress hyperinflammation while diagnostic tests are ongoing¹⁻³



Identify and treat the underlying disease or trigger¹⁻³



Balance treatment toxicity and need to control inflammation³



Early and aggressive intervention is recommended while diagnostic testing is ongoing^{2,3}

Initial treatment options for suspected MAS include:



Supportive therapies^{2,3}



Broad-spectrum antibacterials/antivirals^{2,3}



Immunomodulatory drugs^{2,3}



Therapy targeting the potential underlying disease and/or trigger²⁻⁴

Timely investigation and identification of the etiology of MAS is critical so that appropriate therapy can be promptly initiated^{2,3}

EULAR/ACR points to consider for diagnosing and treating HLH/MAS³

Diagnosis



Following initial laboratory evaluations, assessment of specialized biomarkers of inflammation (e.g., sCD25, CD163, IL-18, CXCL9, neopterin, if available) may further aid in the diagnosis of HLH/MAS



Many of the biomarkers useful for diagnosing HLH/MAS also have prognostic relevance

Treatment



Consider initiating immunomodulatory treatment if there is persistent, severe, or worsening inflammation or organ dysfunction while diagnostic testing is ongoing



Initial empiric immunomodulatory therapy could include:
• Glucocorticoids • IL-1 inhibitor • IVIg



Antimicrobial and antiviral therapies should be administered for any underlying infectious triggers or disorders

Monitoring



Initial response to treatment should be monitored at least daily and markers of systemic inflammation, in particular ferritin, monitored at least twice weekly



Worsening or lack of improvement in laboratory parameters may indicate disease progression in patients with suspected HLH/MAS



EULAR/ACR algorithm for early or suspected HLH/MAS





