

CME article

Monoclonal gammopathy of renal significance

V Rajapaksha¹

Monoclonal gammopathy of renal significance (MGRS) is a term used to describe kidney disease resulting directly or indirectly from any B-cell or plasma cell clonal disorder that has not fulfilled the World Health Organization criteria for a haematological neoplasm.

- Q1.** Which of the following is essential for the diagnosis of Monoclonal Gammopathy of Renal Significance (MGRS)?
- a) Presence of a B-cell or plasma cell clone that meets WHO criteria for haematological neoplasm
 - b) Evidence of kidney disease linked to a monoclonal immunoglobulin
 - c) Presence of a benign monoclonal gammopathy without renal involvement
 - d) Absence of a detectable monoclonal protein in serum or urine
- Q2.** Which of the following is the primary goal in the management of patients diagnosed with monoclonal gammopathy of renal significance (MGRS)?
- a) Achieving complete hematologic remission
 - b) Preventing progression to multiple myeloma
 - c) Preserving renal function and preventing further kidney damage
 - d) Reducing serum monoclonal protein levels to undetectable levels
- Q3.** A patient with monoclonal IgM-associated MGRS presents with acute kidney injury and a renal biopsy showing cryoglobulinemic glomerulonephritis. Serum studies confirm a clonal IgM kappa paraprotein with a bone marrow biopsy showing 15% lymphoplasmacytic lymphoma cells. Which of the following is the most appropriate initial treatment?
- a) Bortezomib, dexamethasone and lenalidomide
 - b) Rituximab-based therapy
 - c) Plasma exchange alone followed by observation
 - d) Renal transplantation before treating the haematological disorder

CME points: 03

The answers are given in page 41 with the explanations.

¹Consultant Clinical Haematologist, District General Hospital, Nawalapitiya, Sri Lanka.

Correspondence: E-mail: vsrajapaksha@yahoo.com



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