

Petechiae

[Tiki-mask](#)

Consumption of platelets due to coagulopathy causes an increased risk of bleeding. Petechiae are defined as non-palpable, non-blanchable lesions less than 3mm.

Diagnosis

Abnormal Plasma Cells

[Abnormal Plasma Cell](#)

The bone marrow is a primary lymphoid organ where plasma cells haven't undergone class switching. A bone marrow lymphoma of plasma cells on bone marrow biopsy would show >10% of abnormal plasma cells which have not undergone class switching.

Dutcher Bodies

[Dutch-boy with Dutcher Bodies](#)

The abnormal plasma cells in Waldenstrom macroglobulinemia contain intranuclear, Periodic Schiff acid positive inclusion bodies called Dutcher bodies.

Monoclonal IgM Antibodies

[Monocle Mountain-goblin Ant-tie-body](#)

Plasma cells before isotype switching produce monoclonal IgM. The plasma cells seen in Waldenstrom Macroglobulinemia produce monoclonal IgM.

Management

Observation

[Observatory](#)

Waldenstrom Macroglobulinemia is an indolent disease of old age. So, to avoid over-treatment asymptomatic patients are kept under observation.

Chemotherapy

[Chemo-head-wrap](#)

In symptomatic patients, Rituximab, Bruton tyrosine kinase inhibitors, or alkylating agents are used.

Plasmapheresis

[Plasma-fairy](#)

To relieve the patient of hyperviscosity syndrome, IgM antibodies are filtered out of plasma using plasmapheresis.