

It is important to note that Myeloma may not cause symptoms in the early stages. Also, many of these symptoms are not unique to Myeloma, as they are present in many chronic illnesses.

ests done to diagnose

# BLOOD TESTS

Initial tests screen for anaemia, abnormal protein levels, kidney function, and calcium levels. Further blood tests may be done to predict prognosis and track response to treatment.

## X-RAYS / OTHER SCANS

Determine the presence, severity and location of bone damage



## BONE MARROW BIOPSY

Determines the presence and percentage of abnormal plasma cells Main types of diseases with abnormal plasma cells and paraproteins

MGUS (Monoclonal Gammopathy of Undetermined Significance)

Paraprotein in the blood but no other features of myeloma. Does not need treatment due to a low risk of progression to Myeloma. It is monitored every 6 – 12 months.

### SMOULDERING MYELOMA

Higher blood paraprotein and increased plasma cells in the bone marrow but no other features of myeloma. Has higher risk of progression to myeloma. Smouldering Myeloma usually does not need treatment but is closely monitored, usually every 3 to 6 months, and will be treated if needed.

#### SYMPTOMATIC MYELOMA

Increased plasma cells in the bone marrow or abnormal plasma cells elsewhere, and high paraprotein in the blood. This together with evidence of anaemia, bone disease, high calcium or kidney damage. Symptomatic myeloma requires treatment.

Tiredness Tiredness Hairloss Hairloss Constipation Swelling of book Swelling of book Swelling of book

If you are diagnosed with Myeloma, your treatment team will discuss treatment options and details thereof with you.

#### Treatment of your symptoms / complications

This includes pain control, management of infections, high calcium, fractures, spinal cord or other nerve compression, and optimisation of kidney function. This is done with medications, radiation therapy and surgery.

#### Specific treatment to control Myeloma

controlled for many years.

There have been many new developments in managing Myeloma and the ability to control the disease is improving. Whilst Myeloma isn't considered curable, with treatment it can often be

Treatment is planned depending on whether the patient will be able to have a bone marrow transplant or not. Bone marrow transplantation is a physically demanding procedure and is generally reserved for patients younger than 65 who are otherwise well.

Patients who are eligible for transplant generally get 4-6 cycles of combination treatment including steroids, chemotherapy and a drug developed specifically for Myeloma. If the cancer responds well, their own bone marrow stem cells will be collected and they will have a stem cell transplant. After the transplant patients may get more treatment to maintain disease control. A second transplant may be done at a later date.

Patients who are ineligible for transplant will receive combination treatment which will not include a stem cell transplantation. If patients relapse after treatment, they will receive further treatment to try to control the disease again and to relieve symptoms.

#### Please note:

The information provided here is meant to be a general overview and should not be used as a substitute for professional medical advice. If you have any questions or concerns about your health, please consult with a healthcare professional. For more information:

www.bloodsa.org.za

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