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Recommendations for Reducing the Risk of Osteonecrosis of the Jaw (ONJ)

- Complete major dental work before beginning treatment for bone disease
- · Practice good oral hygiene
- Schedule regular dental visits/antibiotic prophylaxis
- Let your dentist know that you are receiving treatment for bone disease
- Keep your doctor informed of dental issues/need for dental work
- Be attentive! ONJ seems to be related to the length of time patients are on treatment for bone disease



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Procedures for Bone Pain Surgical and Radiation Intervention

- · Minimally invasive procedures
- · Can be performed without hospitalization
- · Small incision
- · Cement filler stabilizes bone
- Potential for relatively rapid symptom relief (approximately 1 month with kyphoplasty)





- · Destroys Myeloma cells
- Stops bone destruction
- Pain control
- Targeted and localized therapy
- Can affect bone marrow function
- · Can affect adjacent tissues

















Myeloma Therapies Common Side Effects and Their Management

Revlimid, Pomalyst		
Side Effect	Management	
Fatigue and weakness	Sleep hygiene, regular exercise, dose adjustment	
Blood clots	Blood thinners	
Diarrhea Constipation	Immodium, cholestyramine Stool softeners, laxatives, fiber	
Muscle cramping and back pain	Tonic water/hydration	
Rash	Topical treatments and/or dose adjustment	
Shortness of breath	Rule out blood clot; dose adjustment	
Upper respiratory Infections	Antibiotics, antivirals, and/or supportive care*	

Proteasome Inhibitors Velcade, Kyprolis, Ninlaro			
Side Effect	Management		
Peripheral neuropathy	Gabapentin, pregabalin, duloxetine, opioids, dose adjustment		
Low platelets	Close monitoring and/or dose adjustment, supportive care*		
Diarrhea Constipation	Immodium, cholestyramine Stool softeners, laxatives, fiber		
Fatigue	Sleep hygiene, regular exercise, dose adjustment		
Rash	Topical treatments and/or dose adjustment		
Hypertension	Monitor closely, dose adjustment		

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Myeloma Therapies Common Side Effects and Their Management

Monclonal Antibodies Darzalex, Sarclisa, Empliciti			
Side Effect	Management		
Infusion reaction	Supportive care		
Fatigue	Sleep hygiene, regular exercise, dose adjustment		
Diarrhea Constipation	Immodium, cholestyramine Stool softeners, laxatives, fiber		
Low platelets	Close monitoring and/or dose adjustment, supportive care		
Peripheral neuropathy	Gabapentin, pregabalin, duloxetine, opioids, acupuncture		
Upper respiratory infection	Antibiotics, antivirals, and/or supportive care		

Xpovio		
Side Effect	Management	
Nausea and vomiting	Anti-nausea medications, dose adjustment	
Diarrhea	Supportive care, dose adjustment	
Low sodium	Dose adjustment, supportive care, close monitoring	
Peripheral neuropathy	Gabapentin, pregabalin, duloxetine, opioids, dose adjustment	
Fatigue	Sleep hygiene, regular exercise, dose adjustment	
Low blood counts	Close monitoring and/or dose adjustment, supportive care	











Taking Care of Yourself: *Nutrition*

- Excess body fat can lead to progression of multiple myeloma
- Eating a healthy diet can boost both energy and mood
- Eating healthy keeps immune system in peak shape
- Myeloma treatments can reduce your appetite, so it's important that you make the most of what you do eat. If treatments reduce your appetite:
 - Eat small meals every few hours
 - Keep energy-dense high-protein snacks like nuts, eggs, and cheese handy
 - Supplemental nutrition shakes
- Your care team may recommend a nutritionist
- Nutritional needs may have changed since diagnosis



Taking Care of Yourself: *Exercise*

- Getting regular exercise can improve your physical and mental health during every phase of myeloma treatment, providing such benefits as:
 - Maintaining fitness, mobility, and balance
 - Strengthening muscles and bones
 - Increasing your energy level
 - Helping your immune system work better
 - Boosting your mood and mental health Improve sleep and reduce fatigue
- How much exercise or activity is "enough" will depend on your fitness level before your diagnosis
- Talk with your care team before starting any kind of exercise



Taking Care of Yourself: Mental Health and Emotional Support

- In addition to physical symptoms, multiple myeloma often causes fear, anxiety, and distress.
- Friends, loved ones, caregivers, and mental health professionals are excellent sources of support
- Support groups for multiple myeloma patients are available





- Take time to engage in hobbies or activities that bring joy and relaxation
- Stress-reducing activities can also help reduce anxiety and improve your mental well-being; some options include:

Acupuncture	Massage	Mindfulness	Tai chi
Deep-breathing exercises	Meditation	Music therapy	Yoga

Taking Care of Yourself: Insomnia and Fatigue

- · Causes: anxiety, stress, meds-dexamethasone
- Sleep hygiene
 - Routine: go to bed/wake up at routine times
 - Exercise, but avoid close to bedtime
 - No TV or screens when trying to sleep
 - Relaxation training; meditation, yoga, Reiki, breathing exercises
 - Counseling support
- · Medications: useful but with potential side effects
 - Lorazepam (Ativan)
 - Zolpidem (Ambien)
 - Trazodone
 - Diphenhydramine (Benadryl)



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Advocating for Yourself: Speak Up

- It is important to talk to your provider about side effects you are experiencing
- There are several ways to make treatment tolerable
- Provide supportive care or treatments to manage side effects
- Reduce drug dose/frequency
- · Change therapy













Upcoming Patient Education Events Save the Date

Program	Date and Time	Speakers
Managing Side Effects Livestream	Wednesday, September 4, 2024 4:00 PM ET	Dana Spiak, RN Gabriella Acosta, MSN, APRN
Newly Diagnosed Multiple Myeloma: Where to Begin <i>Webinar</i>	Wednesday, September 11, 2024 4:30 PM ET	Ajay K. Nooka, MD, MPH Urvi A. Shah, MD
Expert Session on IMS Highlights	Wednesday, October 9, 2024 10:00 AM ET	Nikhil Munshi, MD A. Keith Stewart, MBChB
Newly Diagnosed Multiple Myeloma Livestream	Thursday, October 17, 2024 3:00 PM ET	Noa Biran, MD Ann McNeill, APN
MMRF Patient Summit Hybrid Event in collaboration with the Fred Hutchinson Cancer Center	Saturday, November 16, 2024 8:00 ам – 12:30 рм РТ	Andrew J. Cowan, MD Kara Cicero, MD, MPH Andrew Portuguese, MD





