

August 17, 2022

Tech Support

1-719-234-7952





Resources

- Resource tab includes
 - Speaker bios
 - Copy of the slide presentation
 - Exhibit Hall

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CoMMpass Studysm



For more information, please visit themmrf.org.



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Speakers



Sagar Lonial Winship Cancer Institute **Emory University School of Medicine** Atlanta, Georgia



Omar Nadeem, MD Harvard Medical School Dana-Farber Cancer Institute Boston, Massachusetts



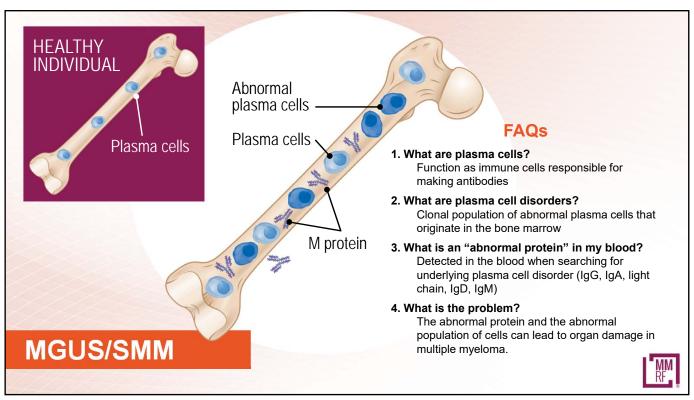
Webinar August 17, 2022

Overview of Multiple Myeloma Precursor Conditions

Omar Nadeem, MD

Harvard Medical School
Dana-Farber Cancer Institute
Boston, Massachusetts





Plasma Cell Disorders: Classification

Updated IMWG criteria for diagnosis of multiple myeloma

MGUS

- M protein <3 g/dL
- Clonal plasma cells in bone marrow <10%
- No myeloma-defining events

Smoldering myeloma

- M protein ≥3 g/dL (serum) or ≥500 mg/24 hrs (urine)
- Clonal plasma cells in bone marrow ≥10% to 60%
- No myeloma-defining events

Multiple myeloma

 Underlying plasma cell proliferative disorder

AND

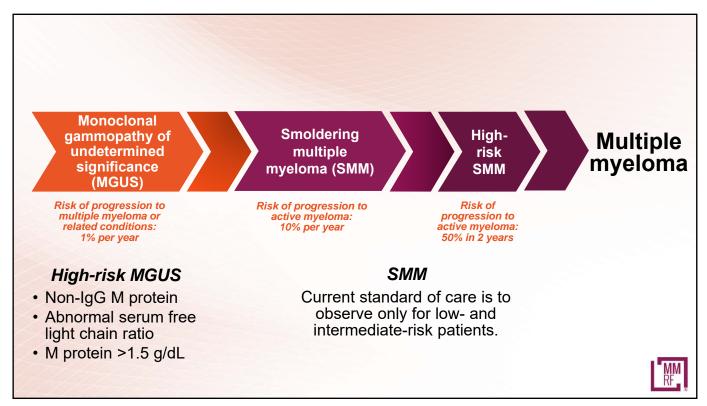
- 1 or more myeloma-defining events
- ≥1 CRAB* feature
- Clonal plasma cells in bone marrow ≥60%
- Serum free light chain ratio ≥100
- >1 MRI focal lesion
- *C: Calcium elevation (>11 mg/dL or >1 mg/dL higher than ULN)
- R: Renal insufficiency (creatinine clearance <40 mL/min or serum creatinine >2 mg/dL)
- A: Anemia (Hb <10 g/dL or 2 g/dL < normal)
- B: Bone disease (≥1 lytic lesions on skeletal radiography, CT, or PET-CT)

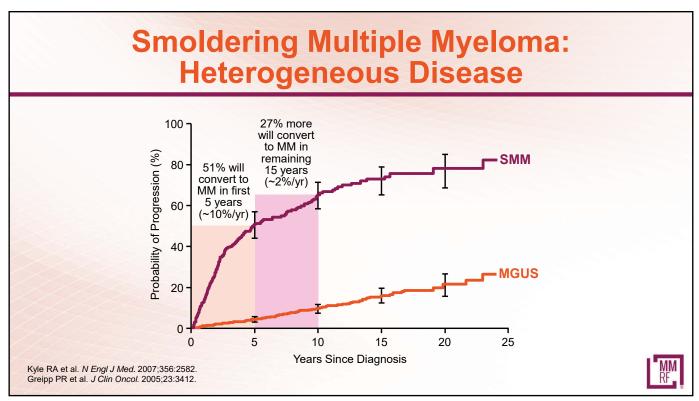
Rajkumar SV et al. Lancet Oncol. 2014;15:e538.

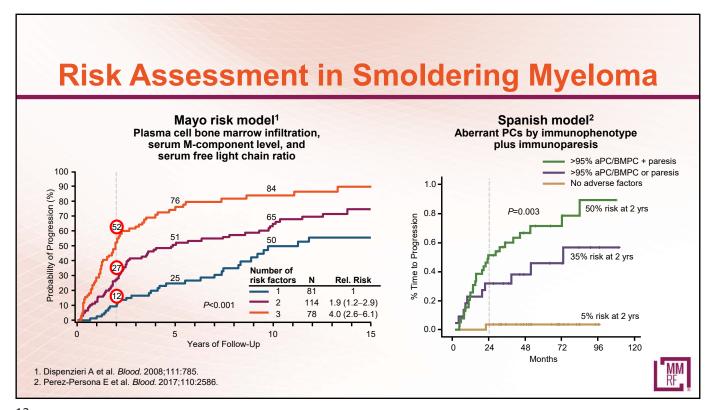


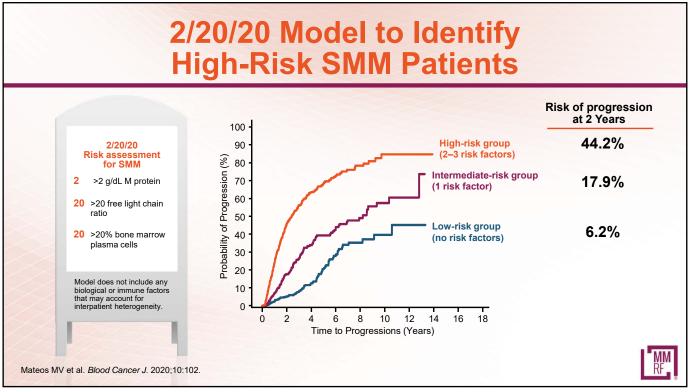
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MGUS is a Very Common Condition 24,000,000 200 3% of the general 180 21,000,000 population at age 50 160 has MGUS Number at Risk Per Year MGUS Cases Per 100,000 18,000,000 140 15,000,000 This rate is 3 times 120 higher for individuals of 12,000,000 100 African descent 80 9,000,000 This rate is 2–3 times 60 6,000,000 higher for first-degree 40 family members of 3,000,000 20 myeloma patients 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 Year ■ Enrollees — Male — Female — White — Black — Asian — Hispanic Go RS et al. Leukemia. 2016;30:1443.









Can we identify everyone who has a precursor condition?



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Identifying Patients Who Have Myeloma Precursor Conditions

Nationwide Screening Studies

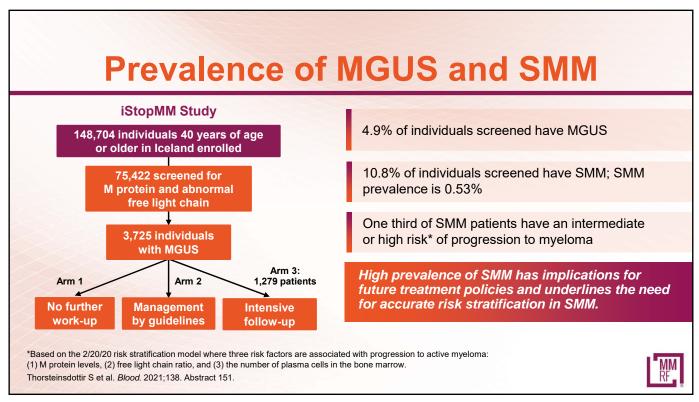
Iceland

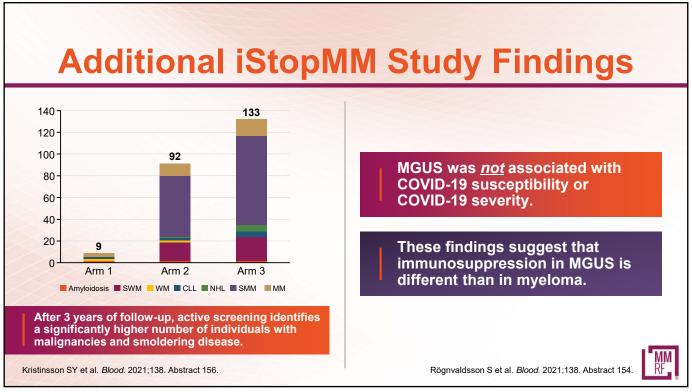


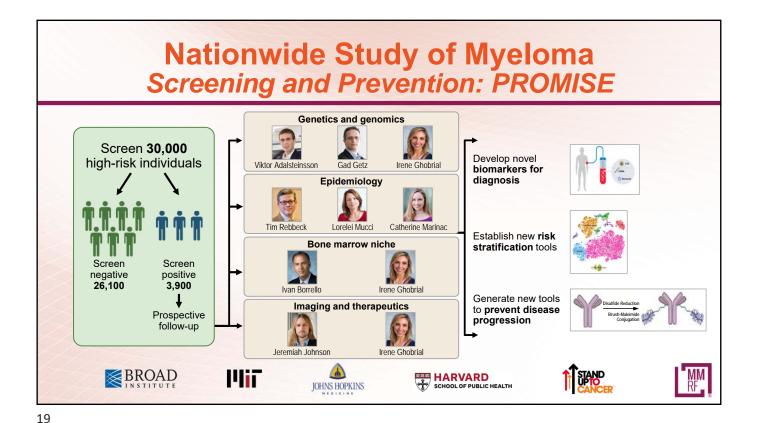
United States and Canada











Promise Study Eligibility Criteria

2 groups of U.S. adults, age 30 or older, qualify for a free screening:

1. African Americans
AND / OR

2. People of Any Race Who Have a Parent, Sibling, or Child with:
Multiple myeloma, another blood cancer, OR one these related conditions:

1. Menodenal Gammosathy of Undetermined Significance (MGRIS).

2. People of Any Race Who Have a Parent, Sibling, or Child with:
Multiple myeloma, Multiple myeloma and the blood cancer, OR one these related conditions:

2. People of Any Race Who Have a Parent, Sibling, or Child with:
Multiple myeloma, another blood cancer, OR one these related conditions:

3. Medicantain Massaghalamania.

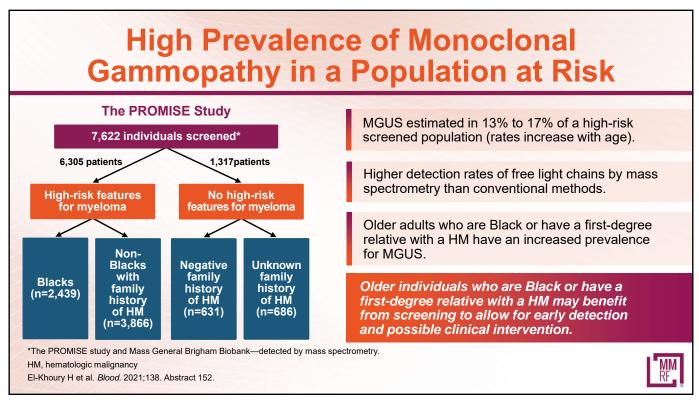
4. We are also enrolling individuals who are 18 years of age or older and have a strong family history of blood cancer (2 or more first- and second-degree relatives).

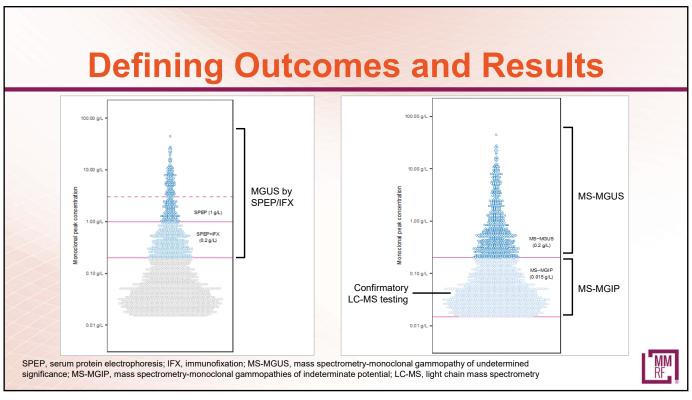
4. Please sign up for the study if you qualify.

Note: The PROMASE study is for people who may have higher risks.

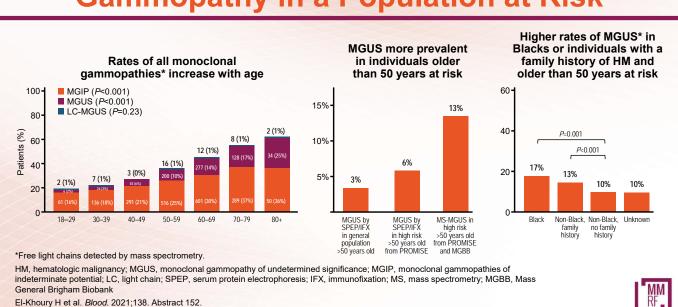
But the Note more board neignosed with one of these conditions, please viet our PCROWD study, a sister project for people with procursor conditions.

PCR®WD









Summary

- Precursor plasma cell disorders are characterized by the presence of abnormal clonal plasma cells without any end organ damage.
- MGUS is a common condition; prevalence increases with age.
- There is variable risk of progression from MGUS and SMM to overt myeloma; several risk models can help predict who is at risk of progression.
- Screening efforts, particularly in high-risk populations, are under way.



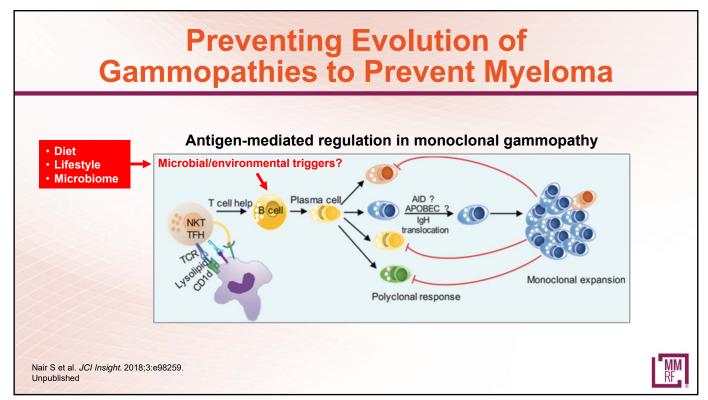
Therapeutic Intervention for Myeloma Precursor Conditions

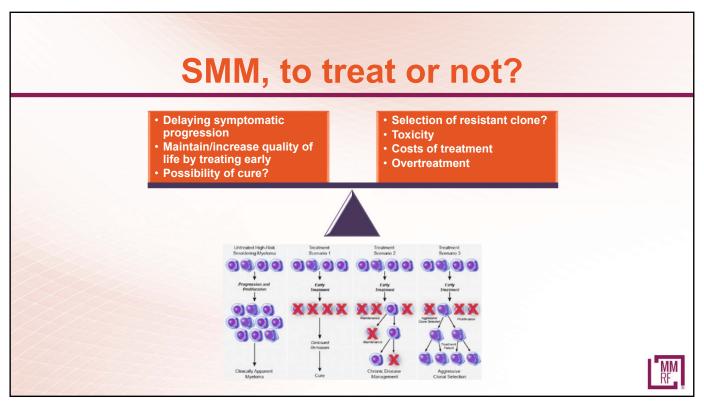
Sagar Lonial, MD

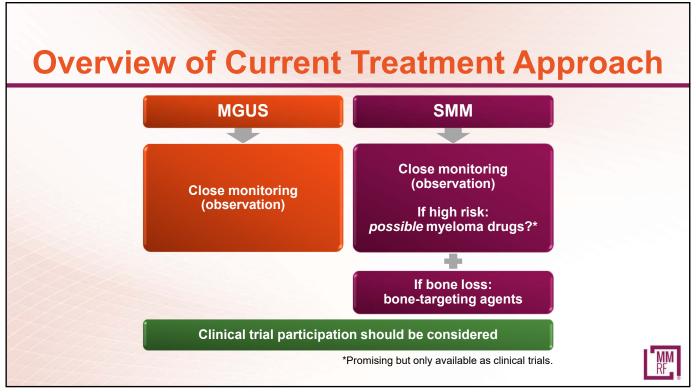
Winship Cancer Institute
Emory University School of Medicine
Atlanta, Georgia

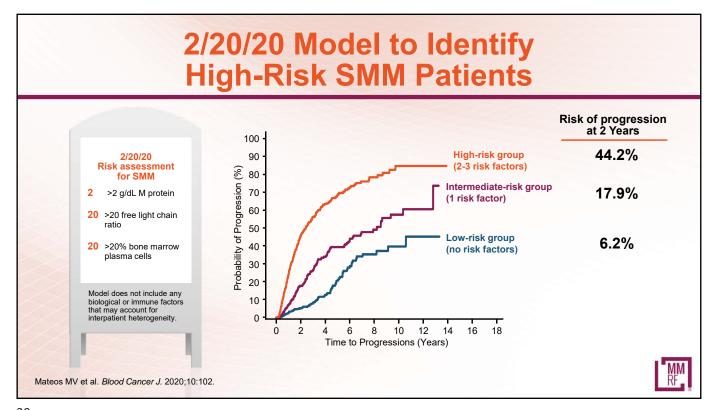


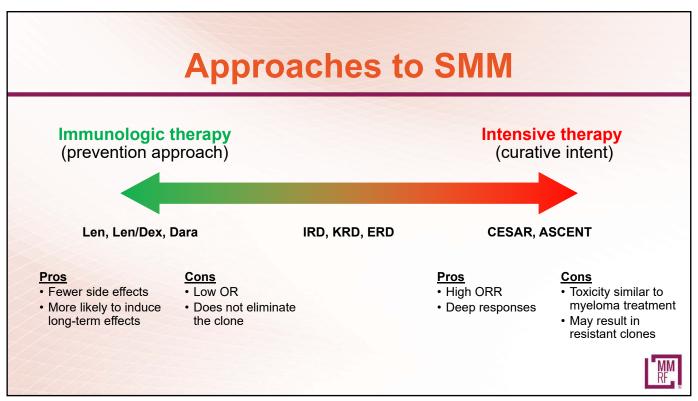
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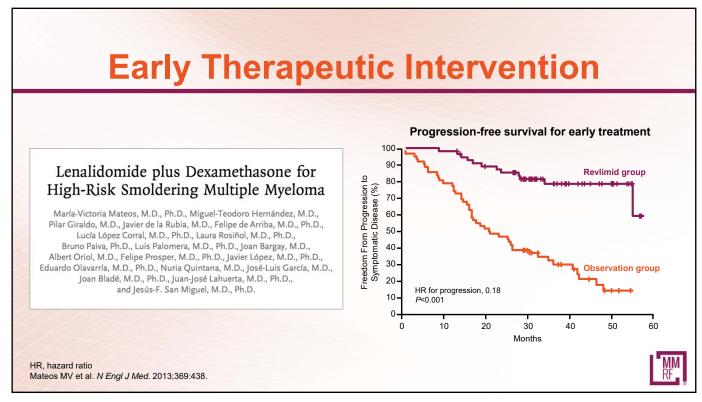


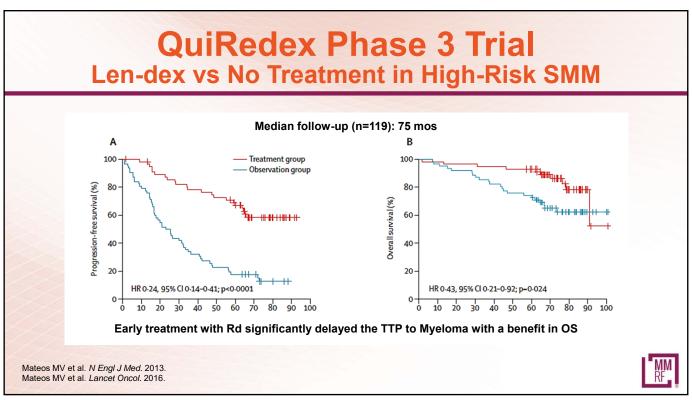


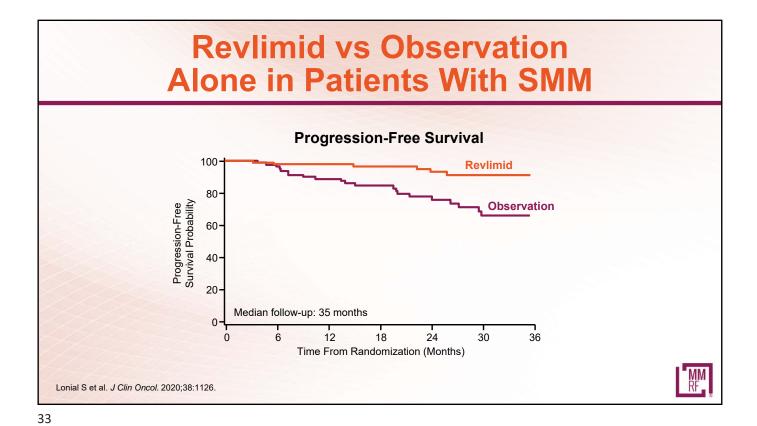


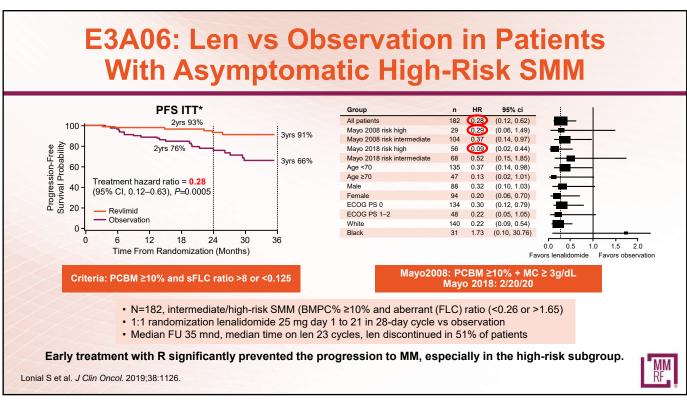


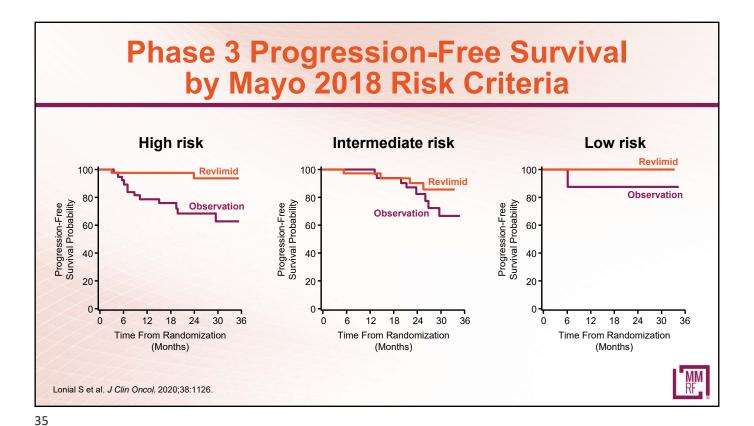












Ongoing Clinical Studies for SMM/MGUS Patients

Phases 1-3 or Observational

SMM patients at high risk of disease progression

- Revlimid + dex ± Darzalex
- Ninlaro + Revlimid + dex
- · Darzalex (sc)
- Kyprolis + Revlimid + dex
- Empliciti + Revlimid + dex (E-PRISM Trial)
- Leflunomide
- · Ninlaro + dex
- Pembrolizumab
- Kyprolis + Revlimid + Darzalex + dex (ASCENT trial)

- Iberdomide ± dex
- Darzalex + Revlimid + Velcade + dex (PRISM Trial)
- Sarclisa alone or + Revlimid
- Metformin
- Revlimid + dex ± Kyprolis
- Darzalex + Kyprolis + dex
- Blenrep
- Vaccines: PVX-410, DKK1, custom-made
- Xgeva

SMM/MGUS

- PO antibiotic trial (Emory)
- Predictors of progression (PROMISE study)
- Genomic and molecular predictors of progression (MD Anderson study)
- MMRF CureCloud
- Darzalex

Ask your doctor about whether you are a candidate for a clinical trial.

Trials found at www.clinicaltrials.gov



MRD negative

Courtesy of MV Mateos.

27 (30%)

47 (56%)

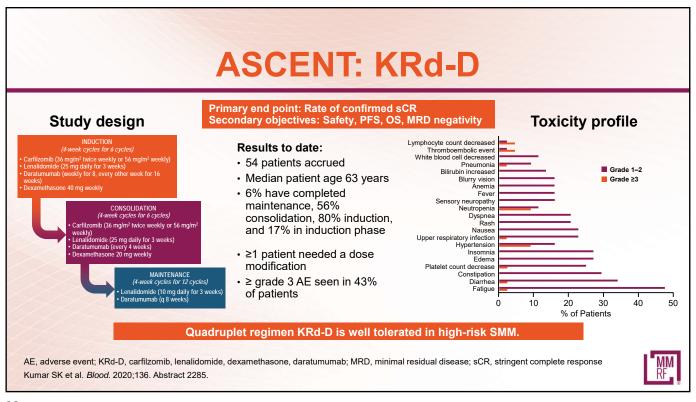
GEM-CESAR: Multicenter, Open-Label, Phase 2 Trial of Kyprolis-Revlimid-dex Induction Consolidation Maintenance 2 × 28-day cycles 24 × 28-day cycles 6 × 28-day cycles High-risk* SMM patients **ASCT KRd** KRd Rd **HDT-ASCT** Consolidation Ultra-high Induction High risk (n=90)(n=83)risk (n=27) Response category (n=81)(n=54)85 (94%) 82 (99%) 81 (100%) 54 (100%) 27 (100%) ORR, n(%) ≥CR 37 (41%) 53 (64%) 61 (76%) 41 (76%) 20 (74%) **VGPR** 18 (22%) 10 (19%) 35 (39%) 15 (19%) 5 (19%) PR 11 (13%) 13 (14%) 5 (6%) 2 (4%) 2 (7%) SD 1(1) 1(1) Progressive disease 2 (3%)

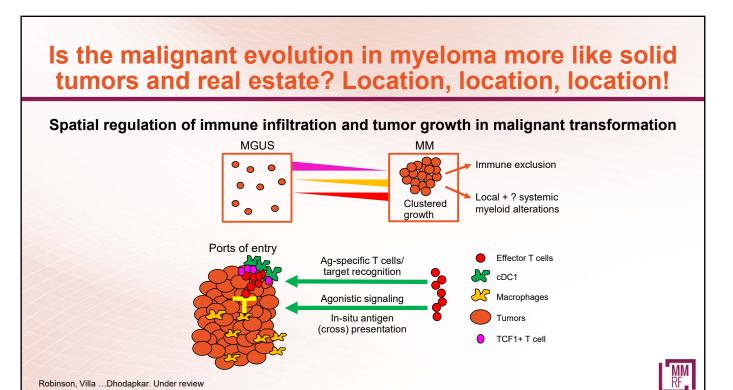
51 (63%)

36 (67%)

15 (56%)

MM RF





Summary

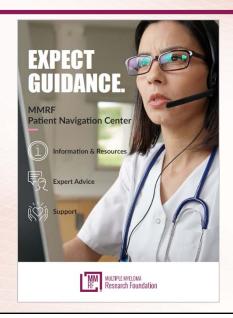
- Smoldering myeloma carries a variable risk of progression to overt myeloma.
- Several criteria to identify patients at high risk for progression
- Growing data for benefit with early intervention
- Patients with SMM should be offered treatment on clinical trials.
- Participation in observational/interventional studies is key to finding out which patients can benefit the most from early treatment and what is the best treatment to offer early.







MMRF Patient Resources







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Myeloma Mentors® allows patients and caregivers the opportunity to connect with trained mentors. This is a phone-based program offering an opportunity for a patient and/or caregiver to connect one-on-one with a trained patient and/or caregiver mentor to share his or her patient journeys and experiences.

No matter what your disease state—smoldering, newly diagnosed, or relapsed/refractory—our mentors have insights and information that can be beneficial to both patients and their caregivers.

Contact the Patient Navigation Center at 888-841-6673 to be connected to a Myeloma Mentor or to learn more.



MMRF Events

Our events are returning live and in-person, and there are so many ways to get involved.

Most have a virtual option, too.

Join us today!

Endurance Events



5K Walk/Run Events



Independent Events



FIND AN EVENT AND JOIN US: themmrf.org/get-involved/mmrf-events/



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Upcoming Patient Education Events Save the Date

	Topic	Date and Time	Speakers	
	Patient Summit (live and online)	Saturday, August 20 9:00 AM – 2:00 PM St. Louis, Missouri	Ravi Vij, MD—Host	
	Facebook Live FAQs on Precursor Conditions	Wednesday, September 7 at 2:30 PM	C. Ola Landgren, MD, PhD Dennis Verducci, MSN, RN, NP-BC, OCN	
	Patient Summit (live and online)	Saturday, September 10 9:00 AM – 2:00 PM Chicago, Illinois	Andrzej Jakubowiak, MD—Host Benjamin Derman, MD—Host	
	Patient Summit (live and online)	Saturday, October 22 9:00 AM – 2:00 PM Nashville. Tennessee	Jesus Berdeja, MD—Host	

For more information or to register, please visit themmrf.org/resources/education-program





