

ONCOLOGY

Evolving Treatment Patterns of Healthcare Providers (HCPs) and Multiple Myeloma (MM) Experts From 2013-2017: **Analysis of an Annually Updated Online Treatment Decision Tool**

Kristen M. Rosenthal, PhD; Carol Ann Huff, MD; Shaji Kumar, MD; Suzanne Lentzsch, MD, PhD; Sagar Lonial, MD; Kevin L. Obholz, PhD; Terrence Fagan; Timothy A. Quill, PhD; and Kenneth Anderson, MD

Background

Availability of novel agents for treating MM has transformed management strategies, particularly for relapsed/refractory (R/R) disease. Since 2013, experienced MM physicians from leading academic institutions and cancer centers (experts) have annually updated an online tool designed to provide HCPs with treatment recommendations for specific patient cases. Previous reports from our tool analyses have shown yearly changes in treatment patterns among experts but a multiyear delay among HCPs in the adoption of many expertrecommended treatment strategies into their practice.

Methods

- For 2015, expert recommendations compiled in March 2015
- For 2016, expert recommendations compiled in June 2016
- For 2017, expert recommendations compiled in March 2017
- Tool scenarios based on variables including: eligibility for ASCT, ECOG PS, cytogenetic risk, presence of renal insufficiency, peripheral neuropathy, or cardiopulmonary dysfunction, as well as responsiveness to previous treatment for those with R/R MM
- Tool online at clinicaloptions.com/MyelomaTool







Acknowledgments and Disclosures

This tool was included in a CME-certified program supported by educational grants from Amgen; Celgene; Janssen Biotech, Inc., administered by Janssen Scientific Affairs, LLC; and Takeda Oncology. Terrence Fagan; Carol Ann Huff, MD; Kevin L. Obholz, PhD; Timothy A. Quill, PhD; and Kristen M. Rosenthal, PhD, have no real or apparent conflicts of interest to report. Kenneth Anderson, MD, has disclosed that he has received funds for research support from MedImmune, has served on the board of directors or as an advisor for Bristol-Myers Squibb, Gilead Sciences, and Millennium; and is the scientific founder of OncoPep and C4 Therapeutics. Shaji Kumar, MD, has disclosed that he has received consulting fees from AbbVie, Amgen, Bristol-Myers Squibb, Celgene, Janssen, Merck, Millennium, Noxxon, Onyx, Oncopeptides, Skyline Diagnostics, and Takeda and funds for research support from AbbVie, Amgen, Celgene, Genentech, Janssen, Merck, Millennium/Takeda, Novartis, Oncopeptides, Onyx, Roche, sanofi-aventis, and Skyline Diagnostics. Suzanne Lentzsch, MD, PhD, has disclosed that she has received consulting fees from Amgen and Bristol-Myers Squibb and holds stock in Caelum Biosciences. Sagar Lonial, MD, has disclosed that he has received consulting fees and funds for research support from Bristol-Myers Squibb, Celgene, Janssen, Millennium, Novartis, and Onyx.

- For R/R MM, use of recently approved therapies dramatically changed treatment recommendations of the experts in 2016/2017 but the broad range of available regimens are reflected in lack of a consensus in treatment choice by both experts and HCPs
 - Use of novel triplet therapy including either carfilzomib, ixazomib, daratumumab, or elotuzumab increased from 2015 to 2017, with experts recommending triplet therapy for > 90% of cases in 2017 vs ~40% in 2015, while HCPs selected triplet therapy in ~40% of cases in 2017 vs ~10% in 2015