

PATIENTS' PREFERENCES IN MULTIPLE MYELOMA

Demma F.¹, Vernia M.¹, Rea M¹, Fioravanti L.¹

1 Takeda Italia S.p.a., Rome, Italy

Background: Patients' preferences are increasingly important in all areas, as suggested by health technologies assessment agencies. In particular, the patient-reported outcomes are key points for improving the patient's clinical response and quality of life.¹⁻² The objective of the present study is to understand the patients' preferences for multiple myeloma therapy.

Methods: A literature review was conducted to select studies (papers or posters) focused on both patients' preferences and reported outcomes for myeloma therapies by using the keyword "(prefer* OR satisfac* OR choice* OR reported) AND myeloma", searching on PubMed and Value in Health database.

Results: 91 studies were identified before 31 December 2018 of which 78 were discarded because of no relevance, 3 were duplicate studies. 10 studies were selected to understand patients' preferences/reported outcome related with multiple myeloma therapies.³⁻¹² Longer disease-progression-free time and in general higher efficacy are the most important attributes from the patients' perspective.³⁻⁶ Physicians' preferences were very close to those of multiple myeloma patients.⁴ Moreover, patients prefer treatments with an all-oral application or, eventually, home administration; if patients face tradeoffs, they accept a lower progression-free time and/or higher adverse event rates to get an all-oral therapy.⁷⁻⁹ All-oral regimen is associated with lower economic burden of illness and less activity impairment than an injectable regimen.⁹ Three studies, focused on patient-reported outcomes from panobinostat or ixazomib or elotuzumab adoption, demonstrated that the addition of these treatments to other therapies improved efficacy while patients' quality of life was maintained, reflecting the limited additional toxicity seen.¹⁰⁻¹²

Conclusions: To understand the point of view of the patient is a useful tool for understanding how the treatments effect the quality of life. Looking at patients' preferences, efficacy and the chance to manage the therapy at home were found to be the drivers of choice. In addition, patient-reported outcomes showed that the addition of panobinostat or ixazomib or elotuzumab to the therapy allows to gain a higher efficacy thus not deteriorating the quality of life.

Bibliography:

1. "Patient-reported outcomes in relapsed/refractory multiple myeloma: a systematic review.", Sparano F., Cavo M., Niscola P. et al., Support Care Cancer, 2018, Jul;26(7):2075-2090
2. "Patient Reported Outcomes in Optimizing Myeloma Patients' Health-Related Quality of Life.", King TA., King MT., White KJ., Semin Oncol Nurs, 2017, Aug;33(3):299-315
3. Mühlbacher AC, Lincke HJ, Nübling M., Evaluating patients' preferences for multiple myeloma therapy, a Discrete-Choice-Experiment., Psychosoc Med. 2008 Dec 19
4. Mühlbacher AC, Nübling M., Analysis of physicians' perspectives versus patients' preferences: direct assessment and discrete choice experiments in the therapy of multiple myeloma., Eur J Health Econ. 2011 Jun
5. Ludwig H, Fritz E, Neuda J et al., Patient preferences for interferon alfa in multiple myeloma., J Clin Oncol. 1997 Apr
6. D Postmus, S Richard, N Bere et al., Eliciting Individual Patient Preferences on The Benefits and Risks of Cancer Treatments: Results From A Survey Conducted in Myeloma Patients, Value in Health, 2016
7. Wilke T, Mueller S, Bauer S et al. , Treatment of relapsed refractory multiple myeloma: which new PI-based combination treatments do patients prefer?, Patient Prefer Adherence. 2018 Nov 9
8. Lassalle A, Thomarè P, Fronteau C et al., Home administration of bortezomib in multiple myeloma is cost-effective and is preferred by patients compared with hospital administration: results of a prospective single-center study., Ann Oncol. 2016 Feb
9. D Romanus, P DasMahapatra, M Hoole et al. , Treatment Satisfaction and Burden of Illness With Oral Vs Injectable Multiple Myeloma Therapy in Patients with Newly Diagnosed Disease, Value in Health, 2017
10. Richardson PG, Schlossman RL, Roy AN et al., Patient-reported outcomes of multiple myeloma patients treated with panobinostat after ≥ 2 lines of therapy based on the international phase 3, randomized, double-blind, placebo-controlled PANORAMA-1 trial., Br J Haematol. 2018 Jun
11. Leleu X, Masszi T, Bahlis NJ et al., Patient-reported health-related quality of life from the phase III TOURMALINE-MM1 study of ixazomib-lenalidomide-dexamethasone versus placebo-lenalidomide-dexamethasone in relapsed/refractory multiple myeloma., Am J Hematol. 2018 May

12. J McKendrick, T Zyczynski, A Kudlac et al., Patient-Reported Outcomes In Relapsed/Refractory Multiple Myeloma (RRMM) In The Overall And Japanese Populations From Eloquent-2, Value in Health, 2016