

LONG-TERM RESULTS FROM THE MYRIAM REGISTRY

MULTIPLE MYELOMA IN ROUTINE CARE: PATIENTS' PATHS AND OUTCOMES OF PATIENTS NOT SCHEDULED FOR STEM CELL TRANSPLANTATION

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INTRODUCTION

Triple class exposition (TCE), i. e. prior therapy with a proteasome inhibitor (PI), an immunomodulatory drug (IMiD) and an anti-CD38 monoclonal antibody (mAb), is a pre-requisite for treatment with most of the drugs recently approved for treatment of patients with relapsed and/or refractory multiple myeloma (MM).

The MYRIAM registry provides valuable insights into treatment under real-world conditions of patients with MM regarding long-term observation and sequential treatment. Here, we analyzed the paths of patients without stem cell transplantation in first line to characterize the subsequent lines of treatments.

METHODS

Between 2017 and 2026, 2,200 patients with MM starting their first- (1L), second- (2L) or third-line (3L) systemic therapy will be recruited in 150 sites (hospitals, office-based practices) and followed for up to 5 years. MYRIAM is a prospective, non-interventional, multi-center cohort study that collects patients' characteristics, treatment, clinical and patient-reported outcomes of patients with MM in Germany. It was approved by ethics committees and is registered at clinicaltrials.gov (NCT03308474).

Here we present data from the 8th interim analysis (data cut: 30-SEP-2024) on patients not scheduled for stem cell transplantation (non-SCT) in first line.

LIMITATIONS

As the primary recruitment goal of 1,500 patients starting first-line treatment was reached in October 2021, this cohort was closed; therefore, analyses are here restricted to patients who started first line between SEP-2017 and OCT-2021.

Eligibility for stem cell transplantation is not captured in MYRIAM as a specific parameter, instead initial intention and

CONCLUSION

Seven years after project start, MYRIAM provides a sound description of the current state of long-term routine care for unselected patients with MM in Germany.

Expectedly, treatment duration and time to next treatment decreased with subsequent treatment lines, while the proportion of patients with triple class exposition (TCE) increased within the course of treatment. This depicts the still unmet medical need for patients with MM without stem cell transplantation in first line and will help direct future focus towards sequential treatments and their effectiveness for future analyses.

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Abbreviations:

CAR-T: Chimeric antigen receptor T cell | IMiD: Immunomodulatory drug | LTFU: lost to follow-up | mAb: monoclonal antibody | MM: multiple myeloma | PI: proteasome inhibitor | SCT: stem cell transplantation | TCE: triple-class exposition | TE: transplant-eligible | TTNT: time to next treatment.

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Conflicts of interest, personal:

Gärtner, Michael: Advisory Role or Expert Testimony: Janssen-Cilag
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No conflicts of Interest reported: Engelhardt, Monika | Medinger, Tanja | Andres-Pons, Amparo | Bruch, Harald-Robert | Lipke, Jörg | Wilop, Stefan

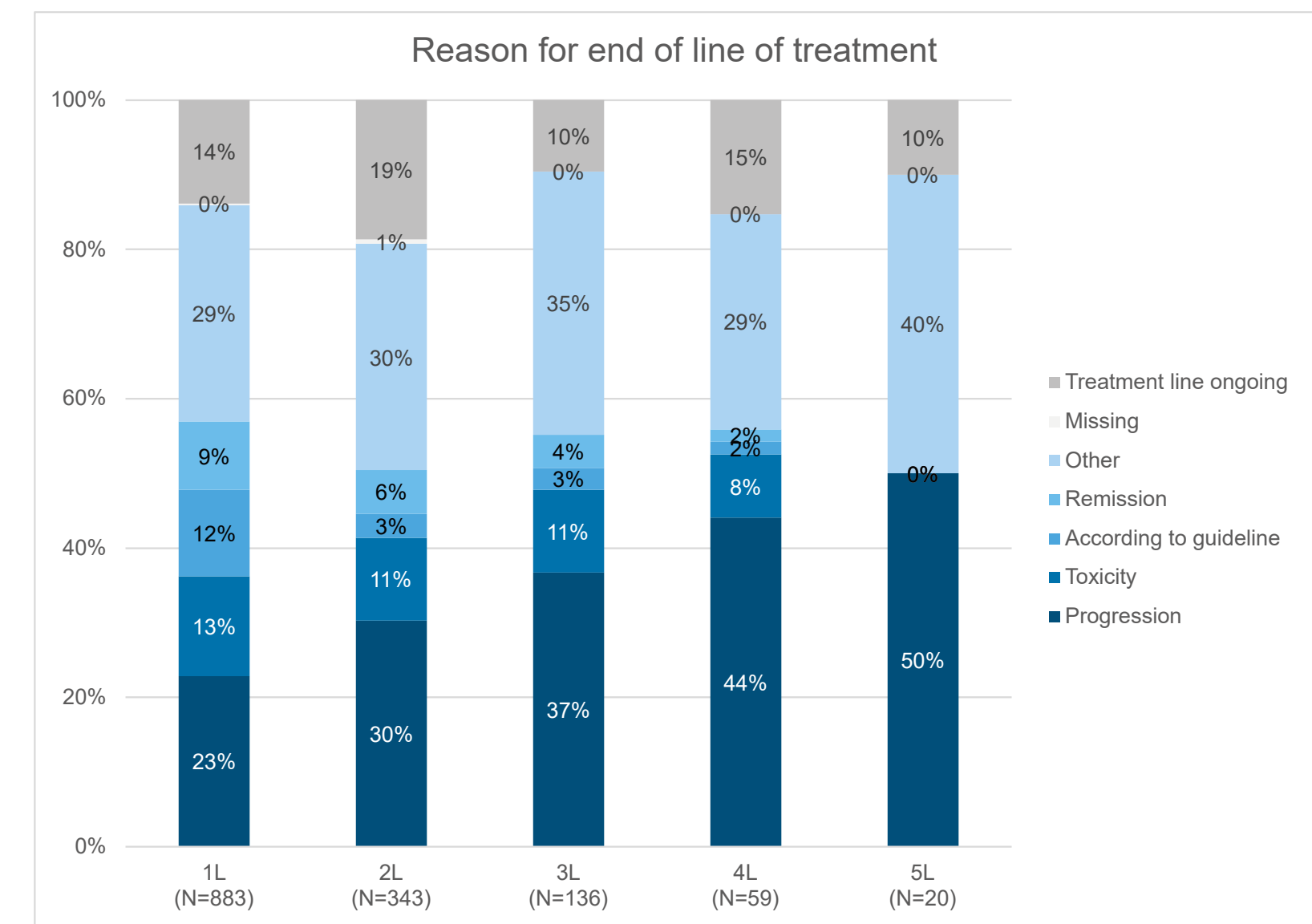
Table 1: Patients with 1L non-SCT: Treatment duration / time to next treatment (TTNT)

	First line	Second line	Third line	Fourth line	Fifth line
Patients (N)	883	343 ^a	136 ^a	59 ^a	20
Median age at start of line of treatment [years] (25% – 75% quantiles)	78 (72 – 81)	79 (73 – 82)	79 (74 – 82)	78 (74 – 82)	76 (74 – 83)
Treatment duration [months] (Kaplan-Meier estimate)					
Events	761 (86.2 %)	276 (81.7 %)	119 (89.5 %)	50 (86.2 %)	18 (90.0 %)
Median	8.1 [7.2, 9.1]	8.8 [7.1, 10.2]	5.1 [3.5, 6.2]	3.0 [1.6, 4.0]	2.0 [0.7, 7.9]
25% – 75% quantile	3.3 – 24.9	3.2 – 21.9	2.1 – 9.6	1.1 – 12.0	0.7 – 27.9
Time to next treatment (TTNT) [months] (Kaplan-Meier estimate)					
Events	548 (62.1 %)	205 (60.7 %)	97 (72.9 %)	42 (72.4 %)	16 (80.0 %)
Median	24.7 [22.2, 26.8]	16.8 [12.9, 19.5]	7.4 [6.4, 9.5]	5.2 [3.1, 7.3]	2.6 [1.9, 7.9]
25% – 75% quantile	9.7 – 51.2	6.3 – 41.7	3.8 – 19.2	2.4 – 14.5	2.6 – 11.3
Triple class exposition (TCE)					
Prior treatment with PI & IMiD & CD38-mAb	N/A	10 (2.9 %)	58 (42.6 %)	39 (66.1 %)	17 (85.0 %)

N: Number of patients with documented treatment in the respective line, regardless of type of treatment (non-SCT / planned SCT / planned CAR-T). In 1L all the patients were not scheduled for SCT.
CD38-mAb: daratumumab, isatuximab | IMiD: lenalidomide, pomalidomide, thalidomide | PI: bortezomib, carfilzomib, ixazomib
CD: cluster of differentiation | IMiD: immunomodulatory drug | mAb: monoclonal antibody | PI: proteasome inhibitor | TCE: Triple class exposition | TTNT: Time to next treatment.

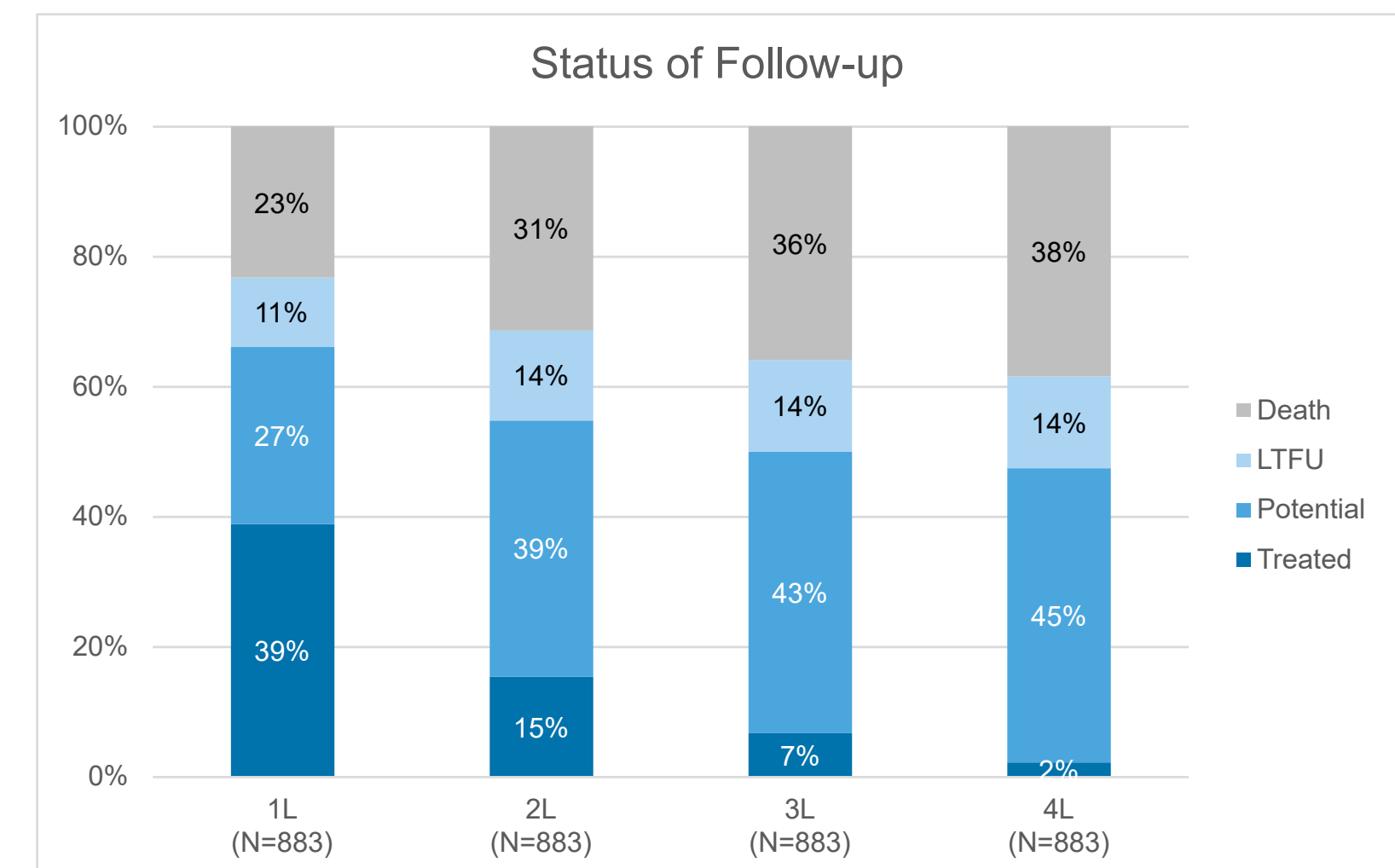
^a 5 patients were scheduled for SCT | ^b 3 patients were scheduled for SCT | ^c 1 patient was scheduled for CAR-T.

Figure 1: Patients with 1L non-SCT: Reason for end of line of treatment



Other: including e.g. deterioration of general condition, death, stable disease, patient wish or patient lost to follow-up, referral to hospice/palliative care or other.

Figure 2: Patients with 1L non-SCT: Status of Follow-up



LTFU: Lost to Follow-up.