Primary objective: To better define the details and outcomes of ASCT performed as first-line therapy in patients with newly diagnosed multiple myeloma

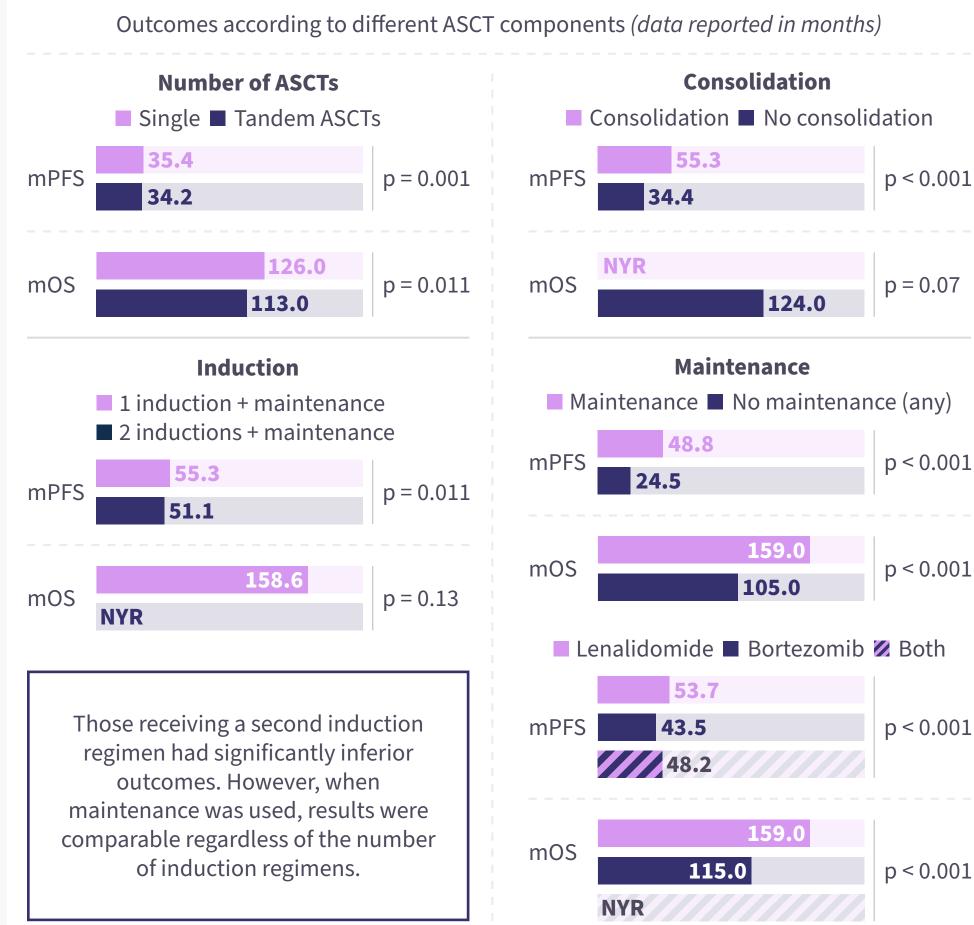
Eligibility: Patients ≥18 years who received ASCT as front-line therapy; **92**% received a single ASCT, 8% received a tandem ASCT; 82% received a bortezomib-based induction regimen; 10% of patients received a second induction regimen, mostly lenalidomide-based; 5.3% received consolidation (most used PI + IMiD); 54% received maintenance therapy (78.3% of them with lenalidomide + steroids)

STUDY DESIGN

A retrospective cohort study utilizing the national CMRG database 2007-2021

Methods and endpoints Details of the regimens used for the **transplant sequence**, and their contribution to clinical outcomes, were defined Induction **Consolidation Maintenance PFS and OS** were assessed for the different subgroups

OUTCOMES



This real-world retrospective cohort study shows the integration of bortezomib and lenalidomide into the transplant sequence produces a median OS of >10 years in most ASCT patients. The results also highlight the contribution of post-ASCT maintenance, particularly lenalidomide given until progression.

Abbreviations: ASCT, autologous stem cell transplantation; CMRG, Canadian Myeloma Research Group; IMiD, immunomodulator; mOS, median overall survival; mPFS, median progression-free survival; NYR, not yet reached; OS, overall survival; PFS, progression-free survival; PI, proteasome inhibitor.

Côté J, LeBlanc R, Mian H, et al. *Blood Cancer J.* 2023;13(1). doi: 10.1038/s41408-023-00905-8





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