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CONCLUSIONS

There was limited usage of inpatient services for treatment-emergent adverse events (TEAEs) in the OCEAN study

The most common reason for hospitalization was infections in both the melflufen + dexamethasone and pomalidomide + dexamethasone treatment arms

Overall, TEAEs leading to hospitalization were less frequent with melflufen + dexamethasone compared with pomalidomide + dexamethasone, with few of the hematologic TEAEs requiring hospitalization

Fewer cardiac TEAEs required hospitalization with melflufen + dexamethasone compared with pomalidomide + dexamethasone, confirming the absence of this potential safety signal, and supporting the tolerability of melflufen + dexamethasone previously seen in older patients¹⁻⁴

BACKGROUND

The economic burden in relapsed/refractory multiple myeloma (RRMM) is driven by:

- Drug costs, with substantial burden following exposure to multiple drug classes and combinations⁵
- The use of inpatient services⁶

Melphalan flufenamide (melflufen) is a first-in-class peptide-drug conjugate that utilizes increased peptidase expression to selectively release potent alkylating agents inside tumor cells

Melflufen plus dexamethasone is approved in Europe for the treatment of patients with triple-class refractory RRMM who have received ≥3 prior lines of therapy and progressed >36 months after a previous autologous stem cell transplant, if one was received

- Approval was based on results from the phase 2 HORIZON study and further supported by the phase 3 OCEAN study^{1,2}

OBJECTIVE

This analysis evaluates resource utilization in the OCEAN study (OP-103; NCT03151811), of patients with RRMM treated with melflufen + dexamethasone or pomalidomide + dexamethasone, by determining the frequency of TEAEs leading to hospitalization

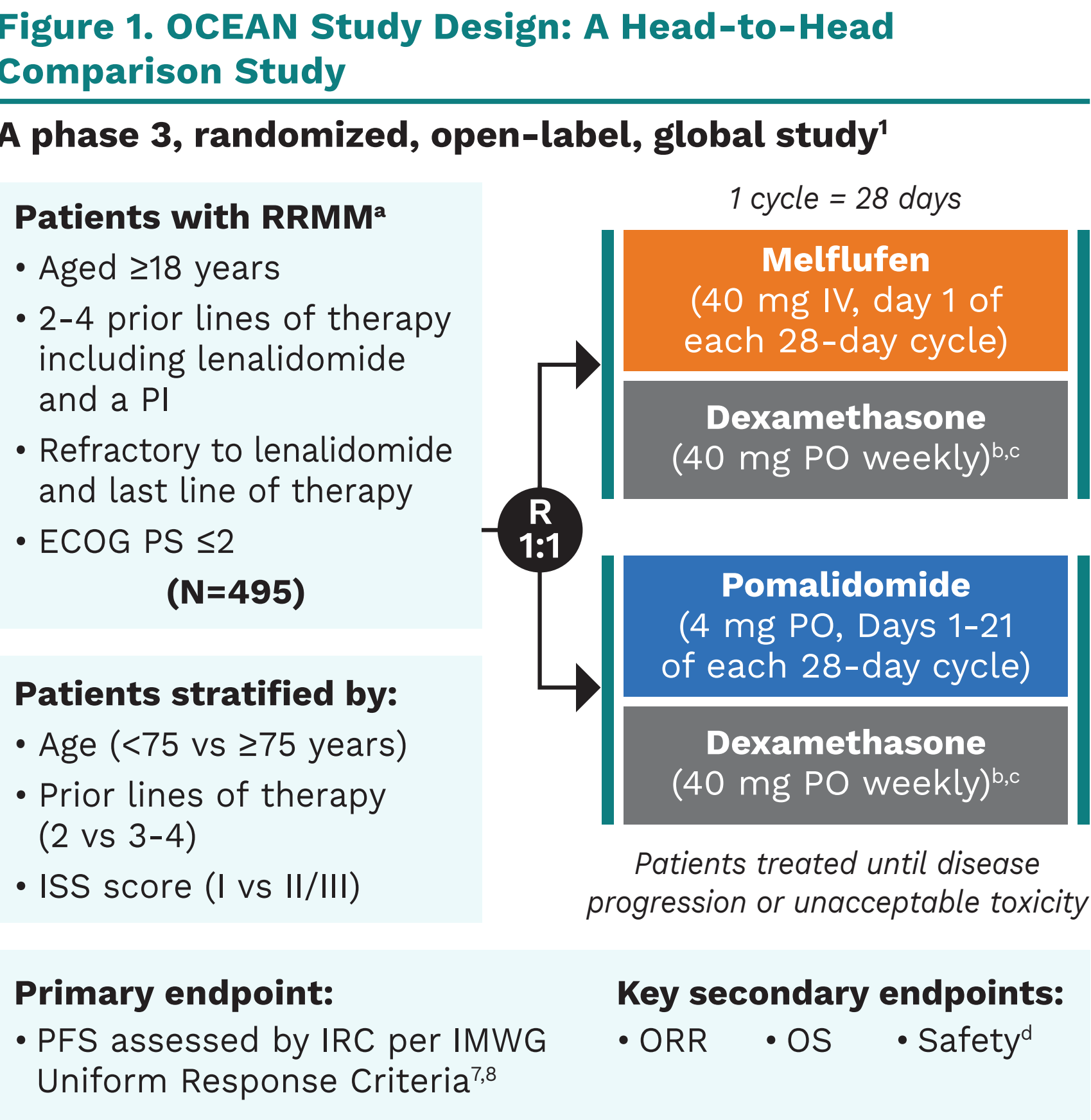
METHODS

The OCEAN study was a randomized, phase 3, head-to-head study of melflufen plus dexamethasone compared with pomalidomide plus dexamethasone in patients with RRMM who had disease refractory to lenalidomide and last line of therapy (**Figure 1**)

- Patients must have received 2-4 prior lines of therapy including lenalidomide and a proteasome inhibitor

All patients who received study treatment (safety population) were analyzed for:

- The proportion of patients in each treatment arm with TEAEs leading to hospitalization for >24 hours
- The number of TEAEs leading to hospitalization for >24 hours per treatment year



ECOG PS, Eastern Cooperative Oncology Group performance status; IMWG, International Myeloma Working Group; IRC, Independent Review Committee; ISS, International Staging System; IV, intravenously; melflufen, melphalan flufenamide; ORR, overall response rate; OS, overall survival; PFS, progression-free survival; PI, proteasome inhibitor; PO, orally; R, randomization; RRMM, relapsed/refractory multiple myeloma.
^aSelect inclusion criteria. Other criteria apply. ^bDays 1, 8, 15, and 22 of each 28-day cycle. ^cThe starting dexamethasone dose will be reduced to 20 mg in patients aged ≥75 years. ^dAn independent data safety monitoring committee will monitor the risk-benefit ratio at regular intervals.