Maturing data from the Australia and New Zealand Myeloma and Related Diseases Registry

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Background

Multiple myeloma (MM) is associated with a high community burden of disease. The Australia and New Zealand Myeloma and Related Diseases Registry was established in 2012 to explore epidemiology, practice variation in diagnosis and management, and clinical outcomes. Methods

All patients registered from 21 Jan 2013 to 31 Dec 2016 were included. Patient baseline characteristics, diagnosis, therapy and outcomes were assessed. Time to survival and disease progression were estimated using survival analysis. Relapsed patients were defined as those that had completed at least one line of therapy and had then progressed.

Results

In total, 1422 patients were registered. Fewer than 10 patients have opted off the registry since its inception. Of 1254 pts with diagnosis, 865 patients (68%) had MM and 61% were male. Mean age at diagnosis was 66y, with 35% over 70y. Table 1, 2 and Figure 1 explore patient characteristics, outcomes, treatment and response.



Figure 1. Bone marrow biopsy diagnostic testing 100% 90% 36.1% 80% 42.8% 54.0 70% 60% 50% 14.7% 35.7% 40% 30% 38. 39.2% 20% 28.2% 10% 7.6 0% Cytogenetics FISH Flow cyto n=648 n=610 n: No mitoses Normal Abnormal Not perfor

Conclusion

'Real world' myeloma data are sca internationally and in Australia and New Zealand (ANZ). Most patients are treated with bortezomib-based first-line therapy and immunomodulatory drugs for seco line therapy in ANZ. Few patients were enrolled in clinical trials. Maturing registry data can describ the epidemiology, treatment, and outcomes in MM and help inform future clinical management and research.



results	Table 2.		
	Treatment & response	% of N	Ν
	First-line chemotherapy		
	Bortezomib-based	86%	772
%	Immunomodulatory drug	10%	772
	Both Bz' & 'Imid'	1%	772
	Pts not for ASCT, Bz-based	94%	54
	Overall response rate (ORR, ≥PR)	84%	514
%	2nd-line chemotherapy		
	Bz-based	39%	228
%	Immunomodulatory drug	68%	228
610	Both	25%	228
rmed	Relapsed & refractory patients		
	1 st line Bz-based	87%	145
	1 st line immunomodulatory drug	10%	145
arce	2 nd line Bz-based	19%	103
t	2 nd line immunomodulatory drug	74%	103
S	*Bz=bortezomib, PR= partial response		
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interest to declare.

