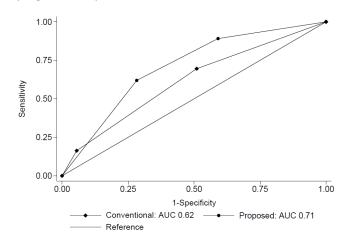
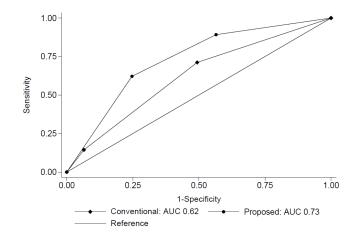
Comparison of the conventional Mayo Clinic model with the proposed risk stratification system using area under the curve (AUC) analysis (n=421).

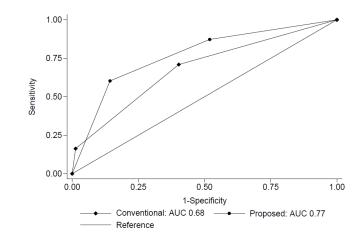
**2-year progression:** The proposed scoring system increases the area under the curve by 9% (from 62% to 71%), which is statistically significant (p = 0.004).



**3-year progression:** The proposed scoring system increases the area under the curve by 11% (from 62% to 73%), which is statistically significant (p < 0.001).

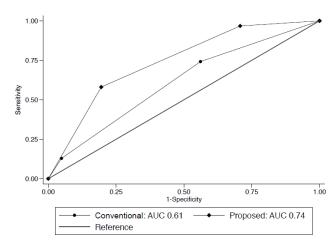


**5-year progression:** The proposed scoring system increases the area under the curve by 9% (from 68% to 77%), which is statistically significant (p = 0.010).

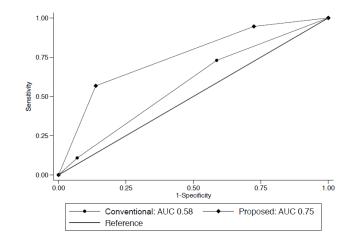


Comparison of the conventional Mayo Clinic model with the proposed risk stratification system including cytogenetics using area under the curve (AUC) analysis (n=102).

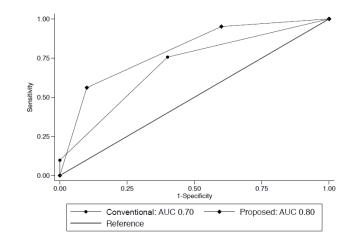
**2-year progression:** The proposed scoring system increases the area under the curve by 13% (from 61% to 74%), which is statistically significant (p = 0.018).



**3-year progression:** The proposed scoring system increases the area under the curve by 17% (from 58% to 75%), which is statistically significant (p = 0.004).



**5-year progression:** The proposed scoring system increases the area under the curve by 10% (from 70% to 80%), which is NOT statistically significant (p = 0.232).



			-	incorporating in tion of patients a	accordin	ig to the convent prating BMPC, M-	•		ication system
			Low-risk (n=187)			Intermediate-risk (n=193)			High-risk (n=37)
			BMPC ≥10% (n=184)	M-protein ≥3 g/dL (n=3)	FLCr ≥8 (n=1)	BMPC ≥10% + M-protein ≥3 g/dL (n=27)	BMPC ≥10% + FLCr ≥8 (n=161)	M-protein ≥3g/dL + FLCr ≥8 (n=5)	BMPC ≥10% + M-protein ≥3g/d + FLCr ≥8 (n=37)
Distribution of patients by the proposed risk stratification system	Low-risk (n=143)	None (n=143)	106	0	0	0	37	0	0
	Intermediate-risk (n=121)	BMPC>20% (n=23)	19	0	0	0	4	0	0
		M-protein>2 g/dL (n=63)	35	3	0	9	13	3	0
		FLCr >20 (n=35)	0	0	0	0	35	0	0
	High-risk (n=153)	BMPC >20% + M-protein >2 g/dL (n=64)	23	0	0	18	14	0	9
		BMPC >20% + FLCr >20 (n=21)	0	0	0	0	21	0	0
		M-protein >2 g/dL + FLCr >20 (n=35)	0	0	1	0	20	2	12
		BMPC >20% + M-protein >2 g/dL + FLCr >20 (n=33)	0	0	0	0	17	0	16