

APPENDIX

PATIENT GENERAL CONDITION AT DIAGNOSIS: A SYSTEMATIC EVALUATION FOR ADULTS DIAGNOSED WITH HEMATOLOGICAL MALIGNANCIES

Patient characteristics

The characteristics of the 27 patients excluded from the study were as follows:

- Gender: 15 male, 5 female
- Age distribution: range 50-91, median 75, 50-64 (6), 65-74 (4), 75 and over (12)
- Performance status (ECOG): PS-0 (5), PS-1 (6), PS-2 (4), PS-3 (5), PS-4 (0), not available (2)
- Diagnosis: acute leukemia (1), myeloproliferative neoplasms (0), myelodysplastic syndromes (3), chronic lymphocytic leukemia and related disorders (2), Hodgkin's lymphoma (1), other lymphomas 5, multiple myeloma(5), multicentric Castleman's disease (1), not available (2).

Research team characteristics

INVESTIGATOR	EXPERIENCE IN HEMATOLOGY	EXPERIENCE IN GERIATRICS	FAMILIARITY WITH ASSESSMENTS
Fernando Ramos	Licensed Hematologist Staff Head of Clinical Hematology	Low	ECOG: High LEE: High GAH: Intermediate CGA: Low
Paola González-Carmona	Resident (Hematology)	None	ECOG: High LEE: Intermediate GAH: Low CGA: None
María Isabel Porrás-Guerra	Low	Licensed Geriatrician Staff	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: High
Sonia Jiménez-Mola	Low	Licensed Geriatrician Staff	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: High
Ana María Martínez-Peláez	Licensed Nurse (Hematology, Day Hospital) Staff	Low	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: None
Agustín Blanco-Cabiellas	Licensed Nurse (Hematology Ward) Staff	Low	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: None
Saray Conde	Licensed Nurse (Hematology, Day Hospital) Staff	Low	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: None
Abdolah Ahmadi	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Marta Castellanos	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Seila Cerdá	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Natalia de las Heras	Licensed Hematologist Staff	Low	ECOG: High LEE: High GAH: Low CGA: None
Elisa Menéndez	Licensed Nurse (Hematology Ward) Staff	None	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: None

INVESTIGATOR	EXPERIENCE IN HEMATOLOGY	EXPERIENCE IN GERIATRICS	FAMILIARITY WITH ASSESSMENTS
Fernando Escalante	Licensed Hematologist Staff	Low	ECOG: High LEE: High GAH: Low CGA: None
Silvia Fernández-Ferrero	Licensed Hematologist Staff	Low	ECOG: High LEE: High GAH: Low CGA: None
Tamara Lado	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Violeta Martínez- Robles	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Filomeno Rondón	Licensed Hematologist	None	ECOG: High LEE: High GAH: None CGA: None
Irene Padilla	Resident (Hematology)	None	ECOG: High LEE: High GAH: None CGA: None
María Jesús Vidal	Licensed Hematologist Staff	Low	ECOG: High LEE: High GAH: Low CGA: None
María Lavinia Villalobos	Licensed Hematologist	None	ECOG: High LEE: High GAH: Low CGA: None
Saad Yacoubi	Resident (Hematology)	None	ECOG: High LEE: High GAH: None CGA: None
Francisco Javier Idoate-Gil	Low	Licensed Geriatrician Staff Head of Department	ECOG: Intermediate LEE: Intermediate GAH: Intermediate CGA: High
José Antonio Rodríguez-García	Licensed Hematologist Staff Head of Department	Low	ECOG: High LEE: High GAH: None CGA: None

Supplemental Table 1. Research team members professional expertise and familiarity with tested assessments.

Results

ECOG score	n	%
0	57	31.3
1	79	43.4
2	26	14.3
3	15	8.2
4	5	2.7
TOTAL:	182	

Supplemental Table 2. Patient distribution according to ECOG Performance Status categories.

LEE score	n	%
0-5	77	47.5
6-9	49	30.2
10-13	30	26.5
14+	6	8.2
TOTAL	162	
	Range: 0-21, p25= 4, p50= 6, p75= 9, p90=11	

Supplemental Table 3. Patient distribution according to Lee Index (LEE) categories.

GAH score	n	%
0-42	54	49.5
43+	55	50.5
TOTAL	109	
Range: 0-89, p25= 10·5, p50=43, p75= 67, p90=76		

Supplemental Table 4. Patient distribution according to Geriatric Assessment in Hematology (GAH) categories.

CGA categories	n	%
Robust	33	57.9
Vulnerable	19	33.3
Fragile	5	8.8
TOTAL	57	

Supplemental Table 5. Patient distribution according to Comprehensive Geriatric Assessment (CGA) categories.

Reasons	n	%
Patient not sent to Geriatrics	16	59.3
Patient non show at Geriatrics	5	18.5
Early death	6	22.2
TOTAL	27	

Supplemental Table 6. Reasons why patients over 75 did not underwent CGA.

Diagnosis	ECOG Cutoff 3+	LEE Cutoff 6+	GAH Cutoff 43+	CGA Not robust
	Patient proportion for each diagnostic subset			
Global	11.0	52.5	50.5	42.1
MPN	0.0	57.1	12.5	33.3
MDS	14.8	69.2	38.1	23.1
Acute leukemia	18.2	50.0	63.6	25.0
Hodgkin's lymphoma	10.0	42.3	0.0	72.2
Other lymphomas	16.7	100.0	55.6	100.0
CLL and related disorders	0.0	45.0	37.5	15.4
Multiple myeloma	18.5	57.7	76.5	50.0
p-value	0.13	0.27	<0.03	<0.01

Supplemental Table 7. Proportion of unfavorable features for the different scales according to diagnostic subsets.

ECOG, Performance status according to ECOG scale. LEE, Lee's Index for Older Adults. GAH, Geriatric Assessment in Hematology. CGA, Comprehensive geriatric assessment. MPN, Myeloproliferative neoplasms. MDS, Myelodysplastic syndromes (including MDS/MPN). CLL, Chronic lymphocytic leukemia.