

Metabolic syndrome in long-term survivors of childhood acute leukemia treated without hematopoietic stem cell transplantation: an L.E.A. study

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Supplemental Table 1: Body mass index and obesity in patients with regard to metabolic syndrome status

	All patients	Non MetS patients	MetS patients	p-value
BMI (last evaluation) median (\pm SD)	23.30 \pm 4.21	22.86 \pm 3.70	29.50 \pm 5.82	<0,001
Overweight or obese patients (BMI \geq 25) n (%)	171 (27.0%)	140 (23.6%)	31 (73.8%)	<0,001
Obese patients (BMI \geq 30) n (%)	41 (6.5%)	22 (3.7%)	19 (45.2%)	<0,001

MetS: metabolic syndrome; BMI: body mass index; SD: standard deviation; **significant values (p < 0.05)**

Supplemental Table 2: Univariate analysis of potential risk factors for the metabolic syndrome

Patients' characteristics	Prevalence of MetS Number of cases (%)	OR (95% CI)	p-value
Gender			
<i>Female</i>	15 (4.4%)	1	0.011
<i>Male</i>	30 (9.7%)	2.31 (1.22 - 4.37)	
Leukemia type			
<i>ALL</i>	39 (6.7%)	1	
<i>AML</i>	5 (8.1%)	1.22 (0.46 - 3.22)	0.686
<i>Biphenotypic</i>	1 (16.7%)	NA	0.355
Age at diagnosis (years)	NA	1.03 † (0.97 - 1.10)	0.314
Age at last evaluation (years)	NA	1.11 † (1.05 - 1.16)	<0.001
Time from diagnosis to last evaluation (years)	NA	1.06 † (1.01 - 1.11)	0.016
BMI z-score at diagnosis	NA	1.19 ‡ (1.05 - 1.36)	0.007
Relapse			
<i>No</i>	44 (7.1%)	1	0.4
<i>Yes</i>	1 (3.1%)	0.42 (0.06 - 3.16)	
CNS irradiation			
<i>No</i>	32 (6.0%)	1	
<i>18 Gy</i>	7 (7.4%)	1.25 (0.54 - 2.93)	0.604
<i>24 Gy</i>	5 (23.8%)	4.86 (1.68 - 14.12)	0.004
Type of irradiation			
<i>Cranial</i>	9 (10.3%)	1	0.611
<i>Craniospinal</i>	4 (13.8%)	1.39 (0.39 - 4.89)	
Cumulative steroid dose (mg/m²)	NA	0.97 § (0.90 - 1.04)	0.424

MetS: metabolic syndrome; OR: odds ratio; CI: confidence interval; ALL: acute lymphoblastic leukemia; AML: acute myeloblastic leukemia; BMI: body mass index; CNS: central nervous system; † OR per each additional year; ‡ OR per each additional z-score unit; § OR per each additional 500 mg/m² steroid dose; **significant values (p < 0.05)**

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