

PERSISTENCE OF OBESITY AND OVERWEIGHT IN PATIENTS WITH CUSHING DISEASE IN REMISSION

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OBJECTIVE

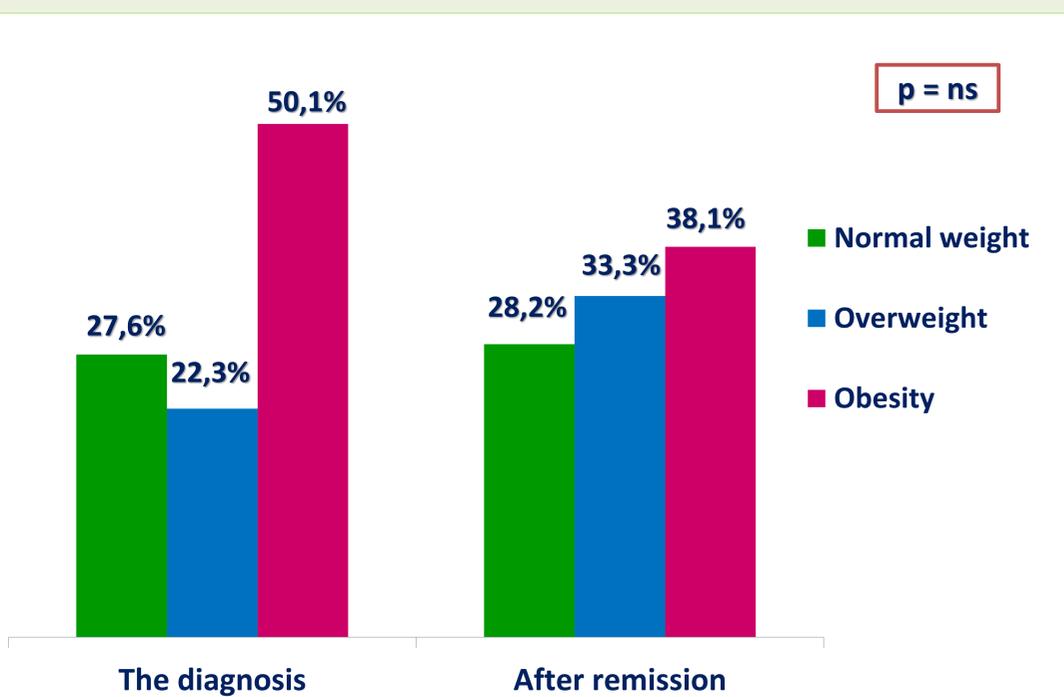
Obesity and overweight persist in patients with Cushing's disease (CD) in remission, its persistence seems to be related to the duration of the disease. The aim of this study was to describe the persistence of overweight/obesity in patients with CD in remission and their relation to the duration of the disease.

PATIENTS AND METHODS

Descriptive study (1995-2015). Variables analyzed: age, sex, body mass index (BMI), time from diagnosis to remission, urinary-free cortisol (UFC), adrenocorticotrophic hormone (ACTH), expression of proopiomelanocortin (POMC) in tumor. Statistical analysis: comparing mean with t-student, comparing proportions with McNemar and correlation study with Spearman's Rho.

RESULTS

49 patients with Cushing Disease.
89,8% Women. 44,43 ± 15,29 years old.
63,6% in remission



	Diagnosis n (%)	Remission n (%)	p
NormalWeight	5 (27,6)	6 (28,6)	0,9
Owerweight I	3 (16,7)	4 (19)	0,71
Owerweight II	1 (5,6)	3 (14,3)	0,09
Obesity I	5 (27,8)	2 (9,5)	0,05
Obesity II	2 (11,1)	5 (23,8)	0,06
Obesity III	1 (5,6)	1 (4,8)	0,98
Obesity IV	1 (5,6)	—	0,99

	NormalWeight (average ± SD)	Overweight/ Obesity (average ± SD)	p
Duration EC (month)	41,16 ± 34,54	30,71 ± 31,99	0,78
Initial UFC (mcg/24h)	509,86 ± 700,44	798,23 ± 764,65	0,73
Initial ACTH (pg/ml)	75,21 ± 39,38	91,68 ± 65,47	0,79

BMI diagnosis/remission: 30,26 ± 7,7 vs 29,6 ± 6,4 Kg/m²
(p= 0,38)

BMI has a strong positive correlation with POMC [rho= 1 (p=0,01)]

CONCLUSIONES

Overweight/obesity is not reduced significantly after remission of EC. In our series, the persistence of overweight/obesity is not associated with a longer duration of the disease before remission or with initial levels UFG or ACTH, although a positive correlation between BMI and POMC expression in the tumor was observed.