

Differences between Alcoholics and Cocaine Addicts Seeking Treatment

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Abstract. This study explored the characteristics of a representative sample of patients who were addicted to either alcohol or cocaine, comparing the profiles of both types of drug users. A sample of 234 addicted patients (109 alcoholics and 125 cocaine addicts) who sought outpatient treatment in a Spanish clinical centre was assessed. Data on sociodemographic, consumption, psychopathological and maladjustment characteristics were collected using the European Addiction Severity Index (EuropASI), the Symptom Checklist-90-Revised (SCL-90-R) and the Millon Clinical Multiaxial Inventory (MCMI-II). Demographically, differences were observed with regard to age (alcoholics were older than cocaine addicts; *t* = 12.2, *p* = .001), employment (the alcoholic group had more labor problems; $\chi^2 = 6.2$, *p* = .045) and family consequences (worse in alcoholics; *t* = 2.3, *p* = .025). The EuropASI results showed statistically significant differences in addiction severity, with alcoholics showing a greater severity than cocaine addicts. In terms of psychopathology, alcoholics presented more associated symptomatology than cocaine addicts. According to these results, patients with alcohol dependence have a different profile from patients with cocaine dependence, resulting in different repercussions for important areas of their lives. These differences should be taken into account when standard treatments for addiction are implemented.

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Knowledge about the issues surrounding drug consumption has increased considerably in recent years, undoubtedly because of the severity of addictionrelated problems and the social concern about this subject. Clinically, this increased interest in addiction issues has led directly to more precise knowledge of the psychopathological aspects of addiction (e.g., comorbidities, dual pathologies, course and prognosis) (Fernández-Montalvo & López-Goñi, 2010; Landa, Fernández-Montalvo, López-Goñi, & Lorea, 2006; Lorea, Fernández-Montalvo, López-Goñi, & Landa, 2009), the development of specific assessment tools (e.g., the European Addiction Severity Index [EuropASI] and ad hoc self-reports developed for specific substances) (López-Goñi, Fernández-Montalvo, & Arteaga, 2012b) and the establishment of specific, empirically validated treatment programs (Fernández-Montalvo, López-Goñi, Illescas, Landa, & Lorea, 2008; Secades & Fernández-Hermida, 2003). In the social and educational fields, which are closely related to the study of addictive

behaviors, this change in addiction knowledge has also been important, as highlighted by prevention programs aimed at at-risk adolescents and the development of universal prevention programs in the educational field (National Institute on Drug Abuse, 2003).

To continue this progress, a major challenge for the coming years is to establish specific patient profiles corresponding to the drug of abuse. Beyond the characteristics common to all addicts, it is important to know the specific profiles of consumers of different substances. This knowledge will allow for the tailoring of currently available treatments to the specific problems presented by addicted patients when they come to a clinical centre.

In Spain, the main demand for treatment in addicted patients is related to alcohol and cocaine problems. According to the latest data from the Spanish Observatory on Drug-Addiction (Observatorio Español de la Droga y las Toxicomanías, 2011), alcohol is the most commonly used drug in the country, and abuse of cocaine creates the most demand for treatment. Consequently, alcoholics and cocaine addicts make up the majority of patients who demand therapeutic assistance in Spanish clinical settings. For example, in recent studies of addicted patients in clinical settings in Spain, between 35% and 45% of patients were alcoholics, and between 45% and 60% were cocaine addicts (Arias et al., 2013; Arteaga, Fernández-Montalvo, & López-Goñi, 2012; Asociación Proyecto Hombre,

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2013; Fernández-Montalvo, López-Goñi, & Arteaga, 2012a, 2012b; Fernández-Montalvo, López-Goñi, Arteaga, & Cacho, 2013; López-Goñi, Fernández-Montalvo, & Arteaga, 2012a). In these same studies, only approximately 15% of treated patients abused other substances.

To address these addiction problems, Spanish addiction treatment centers tend to use standard treatment regimens. The treatment programs are empirically validated according to the criteria established by the scientific community (Secades & Fernández-Hermida, 2003). However, despite the essential need to adapt existing treatments to the specific characteristics of the patients, in Spain, few studies have specifically analyzed the clinical differences between patients seeking treatment for problems with alcohol or cocaine, the two most widely used substances (Araque, De los Riscos, De la Casa, & López-Torrecillas, 2004; Sánchez-Hervás, Tomás, & Morales, 2001). Knowledge of the specific and differential characteristics of clinical patients with alcohol or cocaine dependence allows for treatments tailored to the patients' specific needs.

In this way, the main objectives of the current study were to determine the characteristics of a sample of addicted patients undergoing treatment and determine whether their profiles differed depending on the drug of consumption: alcohol or cocaine. To achieve these objectives, a group of alcoholics entering outpatient treatment was compared with a group of cocaine addicts in terms of various sociodemographic, consumption, psychopathological and adjustment variables. Based on the literature, the main hypothesis of this study was that alcoholics would be older and would present a more severe substance abuse profile, with more psychological and maladjustment consequences of their addictive behavior. In contrast, cocaine addicts would be younger and would be better adjusted to daily life.

Method

The protocol for this study was approved by the ethics committees of the Public University of Navarra and of the Fundación Proyecto Hombre de Navarra.

Participants

The initial sample consisted of 285 consecutive addicted patients who sought outpatient treatment at the *Proyecto Hombre* Addiction Treatment Program in Pamplona, Spain, from October 2010 to July 2012. This was a cognitive-behavioral intervention on an individual outpatient basis, aimed at abstinence, and it is not required to pay for treatment. The main therapeutic techniques were related to stimulus control

and *in vivo* exposure, as well as relapse prevention. During the first 6 months the treatment included weekly sessions (45–60 minutes); during the last 6 months sessions were biweekly. Successful program completion typically requires approximately 12 months and is achieved when a patient completes all therapeutic sessions.

The patients had to meet the following admission criteria: (a) meet the diagnostic criteria of alcohol or cocaine dependence according to the *DSM-IV-TR* (American Psychiatric Association, 2000); (b) be between 18 and 65 years old; (c) give their informed consent to participate in the study; and (d) complete the three assessment sessions.

Fifty-one (17.9%) of the 285 initial subjects did not meet the criteria mentioned above. Therefore, the final sample was composed by 234 subjects (109 alcoholics and 125 cocaine addicts). This is a convenience sample, but representative of Spanish substance abusers in outpatient treatment (Observatorio Español de la Droga y las Toxicomanías, 2011). The mean age of the individuals included in the study was 37.8 years (SD = 9.4); the sample included 189 (80.8%) men and 45 (19.2%) women. The socioeconomic level was middle to lower-middle class.

Assessment

The EuropAsi (Kokkevi & Hartgers, 1995) is the European version of the Addiction Severity Index (McLellan, Luborsky, Woody, & O'Brien, 1980). This measure, which has an interview format, yields two types of scores: the Interviewer Severity Ratings (ISR) and the Composite Scores (CS). The ISR assess the need for treatment in the following seven areas: (a) general medical state; (b) labor and economic situation; (c) drug consumption; (d) alcohol consumption; (e) legal problems; (f) family and social relationships; and (g) psychiatric state. Severity scores range from 0 (no problem) to 9 (extreme problem) in each area, and the cut-off score for each area is 4. These areas are directly related to the severity of consumption (López-Goñi et al., 2010). In this study, we also used the Composite Scores (CS) of the EuropASI. The CS were developed for research purposes; they are arithmetically based indicators of current (last 30 days) problem severity that range between 0.00-1.00, with higher values denoting higher degrees of severity. They assess the following nine areas: (a) general medical state; (b) economic situation; (c) labor satisfaction; (d) alcohol consumption; (e) drug consumption; (f) legal problems; (g) family relationships; (h) social relationships; and (i) psychiatric state. For the current study, the CS were calculated according to the method proposed by Koeter and Hartgers (Koeter & Hartgers, 1997). The Spanish version of the *EuropAsi* was developed by Bobes, González, Sáiz, and Bousoño (1996). In this study, both the ISR and CS were used because they offer complementary information (López-Goñi et al., 2012b).

Moreover, in this study, certain items of the EuropASI were used to obtain specific information about the presence of psychopathological problems in the sample (Psychiatric scale items 3, 4, 6, 7, 9, 10). Other items indicated the patients' level of adjustment in different areas: family and social relationships (Family and social scale items 10b-18b), labor situation (Employment and support scale item 8, 19, 20) and history of abuse (Family and social scale items 18A-18C).

The Symptom Checklist-90-Revised (SCL-90-R, Derogatis, 1992; Spanish version by González de Rivera, 2002) is a self-administered general psychopathological assessment questionnaire. It consists of 90 questions that are answered on a 5-point Likert-type scale, ranging from 0 (none) to 4 (very much). The questionnaire aims to assess the respondent's psychiatric symptoms. The SCL-90-R has been shown to be sensitive to therapeutic change and thus may be used for either single or repeated assessments. The SCL-90-R measures nine areas of primary symptoms: somatisation, obsessive-compulsive, interpersonal sensitivity, depression, anxiety, hostility, phobic anxiety, paranoid ideation and psychoticism. It also provides three indices that reflect the subject's overall level of symptom severity. The internal consistency of the measure ranges from .70 to .90.

The Millon Clinical Multiaxial Inventory (MCMI-II; Millon, 1997; Spanish version of Millon & Avila, 1998) is a self-report questionnaire with 175 true/false items. It was designed to identify clinical states and personality disorders that are similar to those referenced in the DSM-IV-TR. The MCMI-II contains ten basic personality scales: (1) Schizoid; (2) Phobic; (3) Dependent; (4) Histrionic; (5) Narcissistic; (6) Antisocial; (7) Aggressive/sadistic; (8) Compulsive; (9) Passiveaggressive; and (10) Self-destructive. In addition to the basic personality scales, there are three pathological personality scales: Schizotypal (S), Borderline (B) and Paranoid (P). The nine symptom scales of the MCMI-II were not taken into account in this study as they are not relevant to the purposes of our research. The internal consistency of the measure ranges from .66 to .89.

Procedure

Once the clinical sample was selected using the previously described criteria, the assessment of the sample was carried out in three sessions before beginning the treatment. Each session took place once a week for three weeks; the time interval between sessions was the same for each participant. The subjects were interviewed by clinical psychologists who had eight or more years of experience in treating addictions and in applying the assessment tools used in this study. In the first session, data related to socio-demographic characteristics and drug consumption were collected using the EuropASI. The ISRs were calculated according to the 2-step methodology suggested by Bobes et al. (2008). In the second session, the presence of psychopathological symptoms was assessed using the SCL-90-R. Finally, in the third session, the personality characteristics were assessed using the MCMI-II. Because the combination of different substances is common in addicted patients, the group membership of each patient was determined according to the main substance that motivated the search for treatment (assessed by the EuropASI), together with the therapist opinion. After the assessment sessions, patients began the standard treatment provided by Proyecto Hombre for addiction.

Data analysis

Descriptive analyses were conducted for all variables. Bivariate analyses were employed using χ^2 or t-test statistics, depending on the nature of the variables studied. Regarding multivariate analysis, a logistic regression analysis (forward method) was conducted to determine which specific factors were more relevant in differentiating between the groups studied. This analysis used the following models: (1) socio-demographic and consumption; (2) severity of addiction; and (3) clinical variables. A difference of $p \leq .05$ was considered significant. Statistical analyses were conducted using SPSS (version 15.0 for Windows).

Results

Comparison of socio-demographic and consumption variables

The comparison between alcoholics and cocaine addicts on socio-demographic characteristics showed statistically significant differences for all variables studied (Table 1). Cocaine addicts were younger than alcoholics and were more likely to be male. Regarding marital status, cocaine abuse patients were more likely to be single, and with regard to employment, they were more likely to be occupationally active compared to alcoholics.

Regarding drug abuse characteristics, cocaine addicts were more likely to show poly-dependence than alcoholics, whereas alcoholics presented a higher frequency of daily consumption.

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Table 1. Comparisons of socio-demographic and drug abuse characteristics

	All (N = 234)		Alcohol (<i>n</i> = 109)		Cocaine (<i>n</i> = 125)		
	M	SD	M	SD	М	SD	t (df)
Mean age	37.8	9.4	44.1	8.3	32.2	6.3	12.2*** (198.8)
	All $(N =$	234)	Alcoho	n = 109	Cocaine	(<i>n</i> = 125)	
	Ν	(%)	Ν	(%)	п	(%)	$\chi^2 (df)$
Sex							
Men Women	189 45	(80.8%) (19.2%)	82 27	(75.2%) (24.8%)	107 18	(85.6%) (14.4%)	4.0* (1)
Marital Status							
Single Married Divorced	116 67 51	(49.6%) (28.6%) (21.8%)	35 41 33	(32.1%) (37.6%) (30.3%)	81 26 18	(64.8%) (20.8%) (14.4%)	25.1*** (2)
Education							
None Primary school Secondary school University	27 126 57 23	(11.6%) (54.1%) (24.5%) (9.9%)	17 55 20 16	(15.7%) (50.9%) (18.5%) (14.8%)	10 71 37 7	(8.0%) (56.8%) (29.6%) (5.6%)	11.3* (3)
Employment situation							
Employed Unemployed Other (student, retired, etc.) Poly-dependence	156 60 18 55	(66.7%) (25.6%) (7.7%) (23.5%)	66 30 13 16	(60.6%) (27.5%) (11.9%) (14.7%)	90 30 5 39	(72.0%) (24.0%) (4.0%) (31.2%)	6.2* (2) 8.8** (1)
Frequency of consumption		· · /		~ /			
Every day 4–6 days /week < 4 days /week	128 21 85	(54.7%) (9.0%) (36.3)	69 6 34	(63.3%) (5.5%) (31.2%)	59 15 51	(47.2%) (12.0%) (40.8%)	7.0* (2)

Note: $p \le .05$; $p \le .01$; $p \le .01$.

Comparison of severity of addiction

The severity of each patient's addiction was evaluated using the EuropAsi (Table 2). The patients who were receiving treatment for alcoholism presented with greater addiction severity than cocaine addicts in five of the seven areas scored by an interviewer: medical, employment/support, alcohol use, family/ social and psychiatric. In contrast, cocaine patients presented with greater severity in terms of drug use and legal status. When composite scores were taken into account, alcoholics showed a more severe economic situation. Moreover, as expected, alcoholics showed a higher severity in the alcohol area and cocaine addicts in the drug use area.

Comparison of clinical variables

The entire sample showed moderately high scores on the SCL-90-R (approximately 60th percentile) used to assess psychopathological symptoms (Table 3). There were significant differences between the two patient groups on two general scales (GSI and PSDI) and in two specific dimensions (depression and psychoticism). In all cases, alcoholics had higher scores than cocaine patients.

In comparison with cocaine abuse patients, alcoholics also had significantly higher Millon Clinical Multiaxial Inventory II (MCM-II) scores on six scales: Schizoid, Phobic, Compulsive, Self-destructive, Schizotypal and Paranoid.

	All $(N = 234)$	Alcohol (<i>n</i> = 109)	Cocaine (<i>n</i> = 125)		
EuropASI CS	 M (SD)	M (SD)	M (SD)	t (df)	
Medical	0.22 (0.25)	0.25 (0.28)	0.19 (0.23)	1.9 (208.0)	
Economic situation	0.38 (0.45)	0.48 (0.47)	0.29 (0.41)	3.3** (216.8)	
Labor satisfaction	0.27 (0.32)	0.28 (0.33)	0.26 (0.32)	0.5 (232.0)	
Alcohol	0.32 (0.24)	0.41 (0.23)	0.24 (0.22)	5.8*** (232.0)	
Drug use	0.09 (0.08)	0.03 (0.07)	0.19 (0.09)	14.4*** (227.4)	
Legal	0.13 (0.21)	0.13 (0.22)	0.13 (0.20)	0.1 (231.0)	
Family	0.27 (0.23)	0.29 (0.23)	0.26 (0.24)	1.0 (232.0)	
Others	0.15 (0.18)	0.14 (0.18)	0.16 (0.19)	1.1 (230.0)	
Psychiatric	0.21 (0.19)	0.24 (0.21)	0.19 (0.18)	1.7 (225.0)	
EuropASI ISR	M (SD)	M (SD)	M (SD)	t (df)	
Medical	2.0 (1.4)	2.2 (1.6)	1.8 (1.1)	2.3* (188.9)	
Employment/Support	2.4 (1.7)	2.6 (2.0)	2.1 (1.3)	2.2* (180.1)	
Alcohol use	4.0 (2.0)	5.3 (1.5)	2.9 (1.7)	11.5*** (232.0)	
Drugs use	3.2 (2.1)	1.8 (1.9)	4.5 (1.2)	13.3*** (173.9)	
Legal	1.7 (1.5)	1.4 (1.3)	2.0 (1.5)	3.6*** (232.0)	
Family/Social	3.6 (1.7)	3.9 (1.8)	3.4 (1.6)	2.3* (231.0)	
Psychiatric	3.2 (1.8)	3.5 (1.9)	3.0 (1.6)	2.2* (214.3)	

Table 2. Comparisons of drug addiction severity variables

Note: CS = Composite Scores. ISR = Interviewer Severity Ratings.

* $p \le .05$; ** $p \le .01$; ***p < .001.

Comparison of maladjustment variables

Discussion

Regarding maladjustment variables, the whole sample presented with important repercussions in the areas studied. Comparison between groups showed several differences regarding various adaptation variables (Table 4): problems with siblings (more frequent in alcoholics), problems with intimate friends (more frequent in cocaine addicts), labor problems (mainly in alcoholics), debts due to consumption (more frequent in cocaine addicts), and severity of psychological symptoms (more depressive and anxiety problems in alcoholics; more hallucinations in cocaine addicts).

Multivariate analysis

The results from logistic regression analysis showed that model 2 (related to severity of addiction) was the model that explained a higher percentage of the variance (adjusted R^2 = .837). Specifically, the variables introduced by the model were ISR alcohol, ISR drugs and CS economic. These three variables correctly classified 90.1% of cases.

In contrast, model 1 (related to socio-demographic and consumption variables) correctly classified 84.1% of the cases, and model 3 (related to clinical variables) correctly classified 64.5% of the cases.

When logistic regression analyses were carried out separately with men and women, model 2 was the model that correctly classified the higher rate of cases. In this study, the profiles of patients addicted to alcohol and cocaine who seek treatment were analyzed and compared. Abuses of these two substances are the two main drug problems in Spain (Observatorio Español de la Droga y las Toxicomanías, 2011). The goal of this study was to identify the different characteristics of both types of patients so that the existing treatment programs may be adapted to the specific problems presented by the patients. The results obtained revealed the existence of significant differences between the two groups of addicted patients. These differences were observed in terms of socio-demographic, psychopathological and adjustment variables.

From a socio-demographic perspective, there were clear differences between the two groups of patients. Alcoholics were older (by more than 10 years), with more family impact (higher divorce rate) and labor impact (lower percentage of employment), and with more continuous consumption (daily, in most cases). For cocaine addicts, patients were younger, more likely to be single, employed with a paid job that allowed them to afford cocaine consumption, and showed less frequent consumption that was more focused on the weekends, most likely associated with leisure situations. An important finding to note is that poly-dependence was significantly higher in cocaine addicts. These data are consistent with the profiles

Table 3.	Comparisons	of clinical	variables
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	All $(N = 234) n (\%)$	Alcohol (<i>n</i> = 109) <i>n</i> (%)	Cocaine (<i>n</i> = 125) <i>n</i> (%)	$\chi^2 (df)$
Dropouts	95 (40.6%)	50 (45.9%)	45 (36.0%)	2.3 (1)
SCL-90-R (percentiles)	M (SD)	M (SD)	M (SD)	t (df)
GSI	64.4 (33.0)	69.1 (32.5)	60.2 (33.3)	2.1* (232)
PSDI	47.4 (31.9)	54.6 (31.7)	41.1 (30.8)	3.3** (232)
PST	68.5 (31.9)	69.4 (32.3)	67.6 (31.6)	0.4 (232)
Somatisation	57.9 (32.3)	60.7 (33.1)	55.4 (31.5)	1.3 (232)
Obsessive-compulsive	60.9 (33.2)	61.4 (34.0)	60.5 (32.6)	0.2 (232)
Interpersonal sensitivity	62.8 (33.6)	65.6 (33.9)	60.3 (33.3)	1.2 (232)
Depression	60.8 (33.0)	66.1 (32.9)	56.2 (32.6)	2.3* (232)
Anxiety	56.7 (33.9)	60.6 (34.8)	53.4 (32.9)	1.6 (232)
Hostility	51.7 (33.1)	53.8 (34.2)	50.0 (32.1)	0.9 (232)
Phobic anxiety	53.1 (36.8)	55.1 (36.2)	51.4 (37.4)	0.8 (232)
Paranoid ideation	61.0 (33.2)	62.9 (33.8)	59.4 (32.9)	0.8 (232)
Psychoticism	67.8 (33.0)	73.4 (30.5)	62.8 (34.4)	2.5* (231.9)
MCMI-II	M (SD)	M (SD)	M (SD)	t (df)
Schizoid	59.2 (27.8)	65.0 (31.8)	54.1 (22.7)	3.1** (232)
Phobic	49.7 (28.0)	54.7 (28.3)	45.4 (27.0)	2.6* (232)
Dependence	60.1 (24.1)	62.5 (24.3)	58.1 (23.9)	1.4 (232)
Histrionic	53.5 (20.0)	51.8 (20.8)	54.9 (19.2)	1.2 (232)
Narcissistic	50.3 (23.8)	51.6 (23.2)	49.1 (24.4)	0.8 (232)
Antisocial	52.3 (23.7)	53.8 (23.7)	51.0 (23.7)	0.9 (232)
Aggressive-sadistic	52.2 (23.3)	54.7 (23.8)	50.0 (22.8)	1.5 (232)
Compulsive	55.0 (20.7)	58.7 (19.6)	51.7 (21.1)	2.6** (232)
Passive-aggressive	45.1 (30.3)	48.1 (30.0)	42.4 (30.4)	1.5 (232)
Self-destructive	48.3 (23.9)	51.9 (25.3)	45.3 (22.3)	2.1* (232)
Schizotypal	42.0 (23.5)	47.1 (22.3)	37.5 (23.7)	3.2** (230.6)
Borderline	39.6 (26.0)	40.9 (26.3)	38.5 (25.8)	0.7 (232)
Paranoid	56.0 (17.0)	58.3 (16.7)	54.0 (17.0)	2.0* (232)

Note: $p \le .05$; $p \le .01$; $p \le .01$.

found in other studies conducted in recent years (Asociación Proyecto Hombre, 2013; Observatorio Español de la Droga y las Toxicomanías, 2011).

Regarding addiction severity, the results for the EuropAsi variables were in the same direction. Alcoholics showed more severity in terms of medical status, employment situation, family and social relationships, and psychiatric state. Alternatively, cocaine addicts obtained higher scores in terms of general drug use and legal situation. These results are most likely related to socio-demographic differences. The profile of an alcoholic is that of an older person with more years of consumption and, consequently, with greater repercussions for daily life (Hatton et al., 2009). The results on the SCL-90-R and MCMI-II supported this same idea, with significantly more psychopathological problems in alcoholics. These results are similar to those obtained in other studies (Bravo de Medina, Echeburúa, & Aizpiri, 2007).

The data related to maladjustment variables also showed significant differences when comparing alcoholics to cocaine addicts, with the profile generally worse in alcoholics except for a few variables directly related to cocaine consumption. Specifically, debts due to consumption and the presence of hallucinations were variables more frequently observed in cocaine addicts.

On the other hand, results of the multivariate analysis carried out showed that variables related to severity of the addiction were the main predictors of belonging to alcoholics group or cocaine addicts group. Similar results were found when men and women were analyzed separately. According to these results, the specific dependence of a substance seems to be the most relevant variable to predict the belonging group, in both men and women. Anyway, gender differences in addiction have recently shown to be an important variable to take into account when

				Alcohol (n = 109)	Cocaine (n = 125)	
Family maladjustn	nent	Ν	All <i>n</i> (%)	n (%)	n (%)	$X^2 (df = 1)$
Problems with	Mother	231	65 (28.1%)	30 (27.8%)	35 (28.5%)	0
	Father	223	76 (34.1%)	33 (32.0%)	43 (35.8%)	0.4
	Brothers/Sisters	224	72 (32.1%)	42 (39.3%)	30 (25.6%)	4.8*
	Sexual partner	222	133 (59.9%)	64 (62.1%)	69 (58.0%)	0.4
	Sons/Daughters	109	15 (13.8%)	12 (16.9%)	3 (7.9%)	1.7
Social maladjustme	ent					
Problems with	Intimate friends	225	57 (25.3%)	19 (18.6%)	38 (30.9%)	4.4*
	Neighbors	230	28 (12.2%)	15 (14.3%)	13 (10.4%)	0.8
	Work colleagues	230	65 (28.3%)	35 (33.3%)	30 (24.0%)	2.4
Labor maladjustme	ent					
Without permanen last 3 years	t job during the	234	36 (15.4%)	24 (22.0%)	12 (9.6%)	6.9**
Economic maladju	stment					
Debts due to consu	Imption	234	100 (42.7%)	36 (33.0%)	64 (51.2%)	7.9**
Victim of abuse						
Type of abuse	Psychological	233	97 (41.6%)	46 (42.6%)	51 (40.8%)	0.1
	Physical	232	42 (18.1%)	24 (22.4%)	18 (14.4%)	2.5
	Sexual	233	20 (8.6%)	13 (12.0%)	7 (5.6%)	3.1
Psychological mala	adjustment					
Depressive problem	ns	234	121 (51.7%)	67 (61.5%)	54 (43.2%)	7.8**
Anxiety problems		234	139 (59.4%)	74 (67.9%)	65 (52.0%)	6.1*
Hallucinations		234	34 (14.5%)	10 (9.2%)	24 (19.2%)	4.7*
Violence problems		234	90 (38.5%)	43 (39.4%)	47 (37.6%)	0.1
Suicide ideation		234	93 (39.7%)	47 (43.1%)	46 (36.8%)	0.1
Suicide attempt		232	38 (16.4%)	20 (18.7%)	18 (14.4%)	0.8

Table 4. Comparisons of maladjustment variables

Note: $p \le .05$; $p \le .01$; $p \le .01$.

studying and treating substance dependent patients (Fernández-Montalvo, López-Goñi, Azanza, & Cacho, 2014).

Therefore, according to these results, treatment programs for alcoholism should consider, beyond the drinking itself, the problems observed in other areas of daily life for these patients. Inattention to these aspects of life (family, social, occupational, medical, etc.) could decisively influence the recovery of these patients and increase their relapse rates (Bodin & Romelsjo, 2007; Echeburúa, Bravo de Medina, & Aizpiri, 2008). In addition to immediate alcohol consumption, factors that maintain long-term consumption must be addressed. Appropriate social, familiar, labor and medical support during the treatment process may help the recovery of these patients. In contrast, patients addicted to cocaine show better adjustment to everyday life (McKay et al., 2013), and their problems seem to be more focused on the immediate impact directly related to consumption. Consequently, intervention should focus on the factors that encourage short-term consumption, mainly during the leisure period on the weekend. In both cases, situational elements appear more important than personality dimensions or psychopathological characteristics in establishing the type of treatment that could be more adequate for drug-addicted patients. This generates a therapeutic optimism and encouragement to carefully design individually-tailored strategies to improve treatment results. For example, as it has been highlighted by Tryon and Winograd (2011), better outcomes can be expected when patients and therapist agree on therapeutic goals and the processes to achieve these goals, according to real needs of patients.

Several limitations of the present study must be taken into consideration. The first is related to the sample that was evaluated. Although our study

Table 5. Multivariate	analysis (final models)
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	Logistic Regression									
	Model 1: Sociodemographic			Model 2: Severity of addiction			Model 3: Clinical variables			
	Var.	OR	95% CI	Var.	OR	95% CI	Var.	OR	95% CI	
All Adj. R ²	Age Sex (Men) Ed (Secondary) Constant .595	0.8*** 5.9** 4.0* 2857***	(0.72, 0.83) (2.20, 15.90) (1.00, 16.10)	ISR alcohol ISR drugs CS economic Constant .837	0.2*** 5.5*** 0.2* 1.8	(0.10, 0.40) (3.10, 9.50) (0.50, 0,80)	Obsessive-compulsive Psychoticism PSDI Constant .173	1.02** 0.99* 0.98** 2.3*	(1.01, 1.03) (0.97, 0.99) (0.97, 0.99)	
C. classified	84.1% (Total)	82.4 (Alcohol)	85.6% (Cocaine)	90.1% (Total)	86.9% (Alcohol)	90.5% (Cocaine)	61.1% (Total)	55.0% (Alcohol)	66.4% (Cocaine)	
Male	Age Constant	0.7*** 146611.3***	(0.69, 0.82)	ISR alcohol ISR drugs	0.2*** 4.2***	(0.10, 0.40) (2.60, 6.70)	PSDI Constant	0.98** 2.51**	(0.98, 0.99)	
Adj. R ²	.622			.798	3.0		.053			
C. classified	83.5% (Total)	79.0% (Alcohol)	86.9% (Cocaine)	88,8% (Total)	86.5% (Alcohol)	90.5% (Cocaine)	59.8% (Total)	35.4% (Alcohol)	78.5% (Cocaine)	
Female	Age Constant	0.82** 727.30**	(0.72, 0.93)	ISR alcohol CS drugs Constant	0 1.3E+261 4.1E+043	(0, .) (0, .) (0, .)	Constant	0.67		
Adj. R ²	0.435			1.0		~ / /	0			
C. classified	73.3% (Total)	85.2% (Alcohol)	55.6% (Cocaine)	100% (Total)	100% (Alcohol)	100% (Cocaine)	60.0% (Total)	100% (Alcohol)	0% (Cocaine)	

Note: Substance is the dependent variable (0 = Alcohol; 1 = Cocaine).

Adj. = Adjusted; Ed. = Education; C. classified = Correctly classified; PSDI = Positive Symptom Distress Index.

* $p \le .05$; ** $p \le .01$; ***p < .001.

included a relatively large sample of patients who were being treated for drug abuse, only 19.2% of the sample were women. There are reasons to believe that women who suffer from drug addictions have different problems from those of addicted men. Moreover, the present study only included patients who completed the assessment; patients who did not complete the three assessment sessions were not considered. We assume that patients who withdraw from a treatment program at an early stage have different profiles from those of the patients who were analyzed in this study. For all of these reasons, we must be cautious when attempting to generalize our results. Moreover, in this study psychopathological symptoms have been evaluated with a self-report (the SCL-90-R). Due to the importance of these types of symptoms, it would be interesting to assess them with a structured interview in future studies.

In conclusion, the results of this study show that patients with alcohol dependence and cocaine dependence have different profiles, with different repercussions for important areas of life. Consequently, these differences should be taken into account when standard treatments for addiction are implemented. Addressing these factors is likely to be the best way to improve the effectiveness of the interventions and to decrease the rate of dropouts and relapses.

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