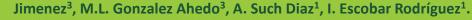
PERSISTENCE IN THE METHADONE MAINTENANCE PROGRAMME AND ITS **RELATIONSHIP WITH THE MEDICATION REGIMEN COMPLEXITY INDEX IN OPIOID** DEPENDENT PATIENTS 4CPS-087

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BACKGROUND AND IMPORTANCE

It has been shown that the Medication Regimen-Complexity Index (MRCI) is an useful and reliable tool for calculating the complexity of the pharmacotherapeutic regimen. Furthermore, high MRCI is associated with lower adherence. However, MRCI in opioid-dependent patients has not been studied.

the methadone Calculate maintenance program (MMP) persistence and the MRCI score in a opioid-dependent patients cohort. Second, to analyze its relationship and association with other variables.

AIM AND OBJECTIVES

An observational study

27th EAHP CONGRESS

isom

Population

Adults with a confirmed diagnosis

of opiate-dependence according to

the DSM-5 in a MMP center was

carried out from november-2021

to april-2022.

MATERIAL AND METHODS To define MMP persistence, a group was created with the researchers who

defined five weighted items according to the importance agreed. Variables collected 🗸 Sex

- ✓ Age
- ✓ Social and work situation
- ✓ Comorbidities
- ✓ Substances consumption
- They were collected and managed using REDCap[®]. Statistical analysis was carried out using SPSS® Statistics (v.27).
- ✓ Methadone treatment (doses, frequency, duration, number of dropouts/interruptions since the MMP onset). ✓ MRCI score and MMP persistence were calculated.
- The study was approved by the **Ethics Committee.**

RESULTS VARIABLES 79,8% male; Median age 51 (46-56) Sex and age A patient was considered persistent with a score \geq 90% according Social and work situation our definition. We found 77,4% persistent patients. 25,4% with job; 28,3% without own home and 14,9% homeless MMP persistent Non MMP persistent p value Comorbidities 57% (N=19) (N=65) Infectious disease 62,5% (96% HCV, 36% HIV, 20% HVB) Age 52 (48-58) (N=65) 48 (43-52) (N=19) 0,04 Mental health disorder 40% Comorbidities 40/60 (66,7%) 5/19 (26,3%) 0,002 Intravenous drug users (IVDU) 2.9% Methadone situation Active substances consumption Tobacco (81,4%), BZD (74%), Cocaine Maintenance 42/55 (76,4%) 11/15 (73,3%) (65%), Alcohol (42,4%), Heroine Induction 2/55 (3,6%) 0/15 (0,0%) 0,024 (33,9%) and Cannabis (28,3%) Relapse 4/15 (26,7%) 2/55 (3,6%) 60 mg daily (40-80) → 100% per 24h Methadone treatment Dose down 9/55 (16,4%) 0/15 (0,0%) **Methadone situation** 63,1% Maintenance; 10,7% Dose **RELATIONSHIP BETWEEN MRCI SCORE AND OTHER VARIABLES** down; 7,1% Relapse; 2,4% Induction p value and 16,7% Unknown Age 0,04 38,1% > 10 years, 26,2% 5-10 years, Homeless 0,002 23,8% 1-5 years and 11,9% < 1 year Comorbidities 0,0 Dropouts since the MMP onset 0% HBV 0,003

Mental health disorder

Heroin active consumption

IVDU in the last year

NO ASSOCIATION BETWEEN MRCI/MMP-PERSISTENCE (p=0.74)

13,5 (8,5-21,8) -> Maximum 40,5

Interruptions since the MMP onset $51,2\% \rightarrow$ median 1 (0-2)

CONCLUSION AND RELEVANCE

- ✓ A new MMP persistence definition has been created. We identified age, comorbidities, and receiving methadone maintenance doses as successful predictors for MMP persistence.
- \checkmark MRCI does not seem to be a useful tool to determine the MMP persistence, probably because there are multiple factors that influence in addition to the complexity of the pharmacotherapeutic regimen. It is necessary to continue searching for more precise selection and stratification tools for opioid-dependent patients to improve their persistence. However, it should not be an obstacle to implementing measures to optimize their pharmacotherapy.



0,006

0,03

0,03

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Duration

MRCI total score