

***Do ART and chemsex drugs get along? Potential drug-drug interactions in a cohort of people living with HIV who engaged in chemsex: a retrospective observational study***

Lorena DE LA MORA <sup>a</sup>, María J. NEBOT <sup>a</sup>, María MARTINEZ-REBOLLAR <sup>a</sup>, Elisa DE LAZZARI <sup>a</sup>, Montserrat TUSET <sup>b</sup>, Montserrat LAGUNO <sup>a</sup>, Juan AMBROSIONI <sup>a</sup>, Laia MIQUEL <sup>c</sup>, Jordi BLANCH <sup>c</sup>, Ainoa UGARTE <sup>a</sup>, Berta TORRES <sup>a</sup>, Ana GONZÁLEZ-CORDÓN <sup>a</sup>, Alexy INCIARTE <sup>a</sup>, Iván CHIVITE <sup>a</sup>, Duncan SHORT <sup>d</sup>, Emilio SALGADO <sup>f</sup>, Esteban MARTINEZ <sup>a</sup>, José L. BLANCO <sup>a</sup>, Josep MALLOLAS <sup>a</sup>

<sup>a</sup> HIV Unit, Infectious Diseases Service, Hospital Clinic, IDIBAPS AIDS and HIV research group, Barcelona University, Spain.

<sup>b</sup> Department of Pharmacy, Hospital Clinic, Barcelona. Spain.

<sup>c</sup> Addiction Unit (GRAC). Psychiatry and Psychology Department, Hospital Clinic of Barcelona, IDIBAPS, CIBERSAM, Barcelona University, Spain

<sup>d</sup> ViiV Healthcare, Brentford, Middlesex, UK

<sup>f</sup> Medical Toxicology Unit. Emergency Department. Hospital Clinic Barcelona. Spain.

**Correspondence to:** Maria MARTINEZ-REBOLLAR. HIV Unit, Infectious Diseases Service, Hospital Clinic, IDIBAPS AIDS and HIV research group, Barcelona University, Spain. Villarroel 170, 08036, Barcelona, Spain. Phone number: +34 983 227 55 74. Fax number: +34 93 4515424. Email: rebollar@clinic.cat

Appendix 1.

Drug	Flag	ART	N	N	%
GHB	GREEN	EFV	6	49	12.2
	GREEN	NEV	9	49	18.4
	GREEN	RPV	34	49	69.4
	ORANGE	ATV/c	1	59	1.7
	ORANGE	EVG/c	28	59	47.5
	ORANGE	DRV/c	30	59	50.8
Extasis	GREEN	NEV	1	20	5.0
	GREEN	EFV	2	20	10.0
	GREEN	RPV	17	20	85.0
	ORANGE	DRV/c	17	36	47.2
	ORANGE	EVG/c	19	36	52.8
Speed	GREEN	NEV	3	14	21.4
	GREEN	RPV	11	14	78.6
	ORANGE	DRV/c	15	32	46.9
	ORANGE	EVG/c	17	32	53.1
cannabis	GREEN	RPV	3	8	37.5
	GREEN	NEV	5	8	62.5
	YELLOW	DRV/c	8	20	40.0
	YELLOW	EVG/c	12	20	60.0
	ORANGE	EFV	3	3	100.0
Mephedrone	GREEN	EFV	3	31	9.7
	GREEN	NEV	6	31	19.4
	GREEN	RPV	22	31	71.0
	ORANGE	ATV/c	1	37	2.7
	ORANGE	DRV/c	16	37	43.2
	ORANGE	EVG/c	20	37	54.1
ED agents	GREEN	RPV	38	38	100.0
	ORANGE	ATV/c	1	75	1.3
	ORANGE	EFV	6	75	8.0
	ORANGE	NEV	7	75	9.3
	ORANGE	DRV/c	28	75	37.3
	ORANGE	EVG/c	33	75	44.0
MDMA	GREEN	EFV	1	11	9.1
	GREEN	NEV	1	11	9.1
	GREEN	RPV	9	11	81.8
	ORANGE	EVG/c	15	35	42.9
	ORANGE	DRV/c	20	35	57.1

Ketamine	GREEN	RPV	23	23	100.0
	ORANGE	EFV	2	46	4.3
	ORANGE	NEV	3	46	6.5
	ORANGE	DRV/c	20	46	43.5
	ORANGE	EVG/c	21	46	45.7
Methamphetamine	GREEN	EFV	6	53	11.3
	GREEN	NEV	8	53	15.1
	GREEN	RPV	39	53	73.6
	ORANGE	ATV/c	1	59	1.7
	ORANGE	DRV/c	28	59	47.5
	ORANGE	EVG/c	30	59	50.8
Cocaine	ORANGE	EFV	4	77	5.2
	ORANGE	NEV	5	77	6.5
	ORANGE	EVG/c	20	77	26.0
	ORANGE	DRV/c	22	77	28.6
	ORANGE	RPV	26	77	33.8
Poppers	GREEN	EFV	4	97	4.1
	GREEN	NEV	9	97	9.3
	GREEN	RPV	27	97	27.8
	GREEN	DRV/c	27	97	27.8
	GREEN	EVG/c	30	97	30.9