

2023 NIDA INTERNATIONAL FORUM

BASIC SCIENCE

Caffeine potentiates methamphetamine's lethal effects in adolescent mice

P. Acosta-Mares¹, Z. P. Espinosa-Riquer¹, T. Browne Jr.², S. L. Cruz¹

¹Department of Pharmacobiology, Cinvestav, Mexico; ²Colombo Plan Secretariat, Drug Advisory Program, Sri Lanka

A preliminary investigation of novel stress biomarker responses to stress and coping in adolescent inhalant users from India: A case control study

R. Bhad¹, R. Jain¹, R. Rao², A. Dhawan¹, R. Raghav²

¹National Drug Dependence Treatment Centre, All India Institute of Medical Science, India; ²Molecular Cardiology Research Institute, Tufts Medical Center, United States

Substance use, harm reduction attitudes and behaviors among attendees of nature rave parties in Israel

H. Bonny-Noach¹, B. Shapira², P. Baumol^{3,4}, N. Tadmor⁵, P. Rosca^{2,6}, S. Shoshan^{7,8}, Y. Harel-Fisch⁹, A. Caduri¹⁰

¹Ariel University, Israel; ²Ministry of Health, Israel; ³Tel Hai Academic College, Israel; ⁴Oxygen Harm Reduction Education, Israel; ⁵Safe Shore Psychedelic Care, Israel; ⁶The Hebrew University of Jerusalem, Israel; ⁷Adelson Clinic, Sourasky Medical Center, Israel; ⁸Tel Aviv University, Israel; ⁹Bar Ilan University, Israel; ¹⁰Israel Authority for Community Safety, Ministry of Public Security, Israel

Levamisole plus benzocaine, a combination used as a crack cocaine substitute: Lethal and hematological effects

Z. P. Espinosa Riquer¹, T. Browne, Jr.², S. L. Cruz¹

¹Department of Pharmacobiology, Cinvestav, Mexico; ²Colombo Plan Secretariat, Drug Advisory Program, Sri Lanka

Mental health of opioid agonist treatment patients and people who inject drugs and access to the comorbidities treatment during the war in Ukraine: 2022

M. Filippovych¹, N. Saichuk¹, V. Grytsenko³, I. Ivanchuk³, K. Dumchev²

¹European Institute of Public Health Policy, The Netherlands; ²Ukrainian Institute on Public Health Policy, Ukraine; ³Center for Public Health of the Ministry of Health of Ukraine, Ukraine

Linking striatal dopamine transporter to novelty seeking and cognitive flexibility in opioid dependence

S-Y. Huang. Department of Psychiatry, Tri-Service General Hospital, National Defense Medical Center, Taiwan

Phytochemical composition of fresh kratom leaves collected in the northern region of Malaysia
T. Karunakaran¹, B. Vicknasingam¹, M. C. Chawarski²
¹Centre for Drug Research, Universiti Sains Malaysia, Malaysia; ²Departments of
Psychiatry and Emergency Medicine, Yale School of Medicine, United States

Fentanyl and levamisole enhance the rewarding effects of methamphetamine
M. I. Paz-Ramos¹, T. Browne, Jr.², S. L. Cruz¹
¹Department of Pharmacobiology, Cinvestav, México; ²Colombo Plan Secretariat,
Sri Lanka

*The effect of opioids on immune responses and limited hepatitis C virus vaccine immunogenicity in
people who inject drugs*
K. Roznik, K. E. Rousseau, A. L. Cox
Johns Hopkins University, United States

Ayahuasca self-administration using a two-bottle choice procedure in male mice
Y. A. Serra¹, N. D. Kisaki¹, I. R. S. Rodrigues¹, C. Jovita-Farias¹, G. L. Alves¹, M. T. M.
Bezerra¹, S. C. Simões¹, J. P. C. Leite¹, K. S. O. Silva¹, N. M. S. Jesus¹, M. C. E.
Santana¹, V. S. Silva¹, A. J. Oliveira-Lima¹, L. F. Berro², E. A. V. Marinho¹
¹Universidade Estadual de Santa Cruz, Brazil; ²University of Mississippi Medical Center,
United States

*Fronto-amygdala network as a target for transcranial magnetic stimulation (TMS) in substance use
disorders: DLPFC, Frontopolar, Amygdala*
G. Soleimani¹, H. Ekhtiari²
¹Amirkabir University of Technology, Iran; ²University of Minnesota, United States

Repeated ejaculation improves methamphetamine-induced locomotor sensitization in male rats
V. Violante-Soria, G. Rodríguez-Manzo, S. L. Cruz
Department of Pharmacobiology, Cinvestav, Mexico

EPIDEMIOLOGY

The plight of labours in industrial zones of Karachi, Pakistan
F. Ahmed
Anti Narcotics Welfare Organisation, Pakistan

*Relapse rates and admission correlates among patients admitted for a substance use disorder in the
Federal Neuropsychiatric Hospital Yaba: A retrospective study*
O. Ajayi¹, A. Esangbedo¹, A. Lawal¹, T. Ojo¹, A. Gbadegesin¹, J. Olusegun¹, O. Talabi²
¹Federal Neuropsychiatric Hospital Yaba, Nigeria; ²Essex Partnership University Trust,
United Kingdom

Substance use disorders in patients with bipolar disorder: Prevalence and gender differences
A. Amal, Z. Yosra, B. Imen, B. O. Fatma, A. Amina, O. Uta, J. Rabaa
Razi Hospital, Tunisia

Is there an association between drug use and adolescents' academic performance? Medspad III–Tunisia 2021

N. Arwa^{1,2}, M. Zid¹, R. Salsabil^{1,2,3}, S. Ahlem^{1,2}, Z. Nada¹, S. B. Youssef¹, Z. Mariem¹, R. Mallekh¹, H. A. Skhiri^{1,2,3}

¹Epidemiology Department, National Institutes of Health Tunisia, Tunisia; ²Nutrition Surveillance and Epidemiology in Tunisia, SURVEN Research Laboratory, Tunisia;

³Medical Faculty of Medicine, Tunis El Manar University, Tunisia

Childhood antecedents, and risky sexual behavior among females receiving intensive drug rehabilitation in a sub-Saharan Africa country

A. K. Ayankola¹, O. S. Jegede², O. Ogunjobi¹, A. Adegbola¹, A. Adeogun¹, T. Babalola¹, A. A. Ayankola³

¹Neuropsychiatric Hospital, Aro, Nigeria; ²The Herbert Wertheim School of Public Health and Human Longevity Science, University of California San Diego, United States; ³Department of Paediatric, Lautech Teaching Hospital, Nigeria

The development of a knowledge, attitude, and practice questionnaire for methamphetamine use

A. D. Azmi¹, S. Wahab¹, N. B. A. Kadir², N. A. A. Wahab², R. A. Razak³

¹Universiti Kebangsaan Malaysia Medical Centre, Malaysia; ²Universiti Kebangsaan Malaysia, Malaysia; ³Faculty of Social Science & Liberal Arts, UCSI University, Malaysia

Cannabis use in sub-Saharan Africa: A systematic review and meta-analysis

H. Belete^{1,2}, T. Mekonen^{1,2}, D. C. Espinosa², F. Ambaw³, J. Connor^{4,5}, G. Chan², L. Hides^{2,4}, W. Hall⁴, J. Leung^{2,4,6}

¹Department of Psychiatry, Bahir Dar University, Ethiopia; ²School of Psychology, The University of Queensland, Australia; ³School of Public Health, Bahir Dar University, Ethiopia; ⁴National Centre for Youth Substance Use Research, The University of Queensland, Australia; ⁵School of Medicine, The University of Queensland, Australia; ⁶National Drug and Alcohol Research Centre, University of New South Wales Sydney, Australia

Addressing the relationship between exhibiting aggressive behaviors and substance use disorder attributed to tramadol in male patients with psychiatric disorders, Egypt

H. Elgohary, S. Atwa, M. Abdelghani
Zagazig University, Egypt

Socio-economic factors influencing relapse among rehabilitated adult female drug users in Kabul, Afghanistan

B. A. Fazly¹, N. Ghotbi²

¹Ministry of Public Health, Afghanistan; ²Ritsumeikan Asia Pacific University, Japan

Improving opioid agonist therapy scale-up in Ukraine

T. Fomenko¹, A. Meteliuk¹, L. Madden^{2,3}, Samy Galvez³, S. Farnum², I. Pykalo⁵, M. Filipovych⁵, I. Z. Islam¹, F. L. Altice^{3,4}

¹ICF Alliance for Public Health, Ukraine; ²APT Foundation, United States; ³AIDS Program, Section of Infectious Diseases, Yale University School of Medicine, United States; ⁴Division of Epidemiology of Microbial Diseases, Yale University School of Public Health, United States; ⁵CF European Institute of Public Health Policy, Ukraine

Drug abuse and human immunodeficiency virus risks among the municipal youths

M. P. Chhetri

Nepal Center for Disaster Management, Nepal

How much cannabis is used in a joint in Australia? An experimental investigation into use by potency and frequency

D. Dawson^{1,2}, D. Stjepanovic¹, V. Lorenzetti³, W. D. Hall^{1,4}, J. Leung^{1,2}

National Centre for Youth Substance Use Research, The University of Queensland-Saint Lucia, Australia; ²School of Psychology, The University of Queensland-Saint Lucia, Australia; ³Neuroscience of Addiction and Mental Health Program, Healthy Brain and Mind Research Centre, Australian Catholic University, Australia; ⁴Queensland Alliance for Environmental Health Science, The University of Queensland-Woolloongabba, Australia

Task development, living conditions and time to drop-out in patients of 18-29 years of age, under treatment for substance abuse disorders in Chile, 2010-2019

A. González-Santa Cruz¹, J. Castellanos²

¹Millennium Nucleus for the Evaluation and Analysis of Drug Policies, Chile;

²IQVIA, Chile

Resilience as a mediator of amphetamine dependence and psychological symptoms in patients with methamphetamine use in Taiwan

C-C. Hung^{1,2,3}, M-C. Huang⁴, L-Y. Chen^{5,6}, K-H. Wu⁷, C-Y. Huang⁸, S-C. Fang⁹, C-H. Chen¹⁰, C. Lin⁴, Y-L. Lin⁷, L-W. Su¹¹, Y-J. Wu⁴, E. Chao^{1,3}, Y-L. Lai¹², T. Szu-Hsien Lee^{1,3,13}

¹CTBC Center for Addiction Prevention and Policy Research, National Taiwan Normal University, Taiwan; ²Department of Psychology and Counseling, University of Taipei, Taiwan; ³Taiwan Harm Reduction Association, Taiwan; ⁴Department of Addiction Sciences, Taipei City Psychiatric Center, Taipei City Hospital, Taiwan; ⁵Kunming Prevention and Control Center, Taipei City Hospital, Taiwan; ⁶Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taiwan; ⁷Department of Addiction Psychiatry, Taoyuan Psychiatric Center, Ministry of Health and Welfare, Taiwan; ⁸Department of Community Psychiatry, Bali Psychiatric Center, Ministry of Health and Welfare, Taiwan; ⁹Department of Nursing, Mackay Medical College, Taiwan; ¹⁰Department of Public Administration, National Taipei University, Taiwan;

¹¹Department of Psychiatry, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, Taiwan; ¹²Department of Crime Prevention and Corrections, Central Police University, Taiwan; ¹³Department of Health Promotion and Health Education, National Taiwan Normal University, Taiwan

Socioeconomic status and human immunodeficiency virus (HIV) severity among people with HIV who inject drugs in St. Petersburg, Russia

B. Idrisov¹, J. Van Draanen¹, S. Lodi², K. Lunze^{3,4}, S. D. Kimmel³, E. K. Sisson⁵, V. Truong³, E. Blokhina⁶, N. Gnatienco², E. Krupitsky^{6,7}, J. H. Samet^{3,8}, E. C. Williams^{1,9}

¹Department of Health Systems and Population Health, University of Washington, United States; ²Department of Biostatistics, Boston University School of Public Health, United States; ³Department of Medicine, Boston Medical Center; United States; ⁴Boston University School of Medicine, United States; ⁵Biostatistics and Epidemiology Data Analytics Center, Boston University School of Public Health, United States; ⁶Pavlov University, Russia; ⁷V. M. Bekhterev National Medical Research Center for Psychiatry and Neurology, Russia; ⁸Department of Community Health Sciences, Boston University School of Public Health, United States; ⁹Center of Innovation for Veteran-Centered and Value-Driven Care, Veterans Affairs Puget Sound Health Care System, United States

Vape smoking, dependence, motivation, and its association with obesity among Palestinian male university students: A cross-sectional study

M. Jaber¹, L. Nouri¹, A. Hamed¹, N. Jarrar¹, M. MohammedAli¹, M. Saifi¹, L. Suadi², B. Damiri³

¹Department of Medicine, An-Najah National University, Palestine; ²Department of Medicine, Community and Family Medicine, An-Najah National University, Palestine; ³Drug and Toxicology Division, An-Najah National University, Palestine

Illicit drug use associated with eating attitudes and behaviors, neglected health issues among Palestine refugees

N. Khelfeh¹, A. Mousa¹, A. Shakhshir¹, I. AbuAlrub¹, A. Hamad¹, M. Hunjul¹, F. Mahamid², B. Damiri³

¹Department of Medicine, An-Najah National University, Palestine; ²Psychology and Counseling Department, An-Najah National University, Palestine; ³Drug and Toxicology Division, An-Najah National University, Palestine

Domestic cannabis cultivation: Results of the Georgian (country) sample of the transnational online survey of cannabis growers

I. Kirtadze¹, G. R. Potter², J. Grigg², M. J. Barratt², E. Sevigny², S. Lenton², M. Kowalski², T. Decorte², M. Pardal², D-M. Milot², K. Bertrand², D. Bear², V. A. Frank², E. Houborg², T. F. Soegaard², P. Hakkarainen², M. Jauffret-Roustide², B. Werse², G. Kamphausen², S. Sznitman², D. Fortin², C. Wilkins², M. Rychert², J. Oliveira², R. Faria², F. Zobel², A. Granville², A. Malm², J. Meisel², R. Queirolo², E. Alvarez², B. Sotto²

¹Addiction Studies, School of Arts and Sciences, Ilia State University, Georgia; ²The Global Cannabis Cultivation Research Consortium (GCCRC)

Co-use of harm reduction and addiction treatment services associated with decreased non-fatal overdose in Catalonia: A cross-sectional study

P. T. Korthuis¹, I. Sönmez^{2,3}, X. Majó⁴, A. Espelt⁵, M. Meroño⁶, F. Fonseca^{7,8}, J. Colom⁴, J. Casabona^{2,3,9}, C. Folch^{2,3,9}, the REDAN Study Group

¹Oregon Health & Science University, United States; ²Centre d'Estudis Epidemiològics sobre les Infeccions de Transmissió Sexual i Sida de Catalunya, Departament de Salut, Generalitat de Catalunya, Spain; ³Institut d'Investigació Germans Trias i Pujol (IGTP), Spain; ⁴Sub-direcció General de Drogodependències, Agència de Salut Pública de Catalunya, Spain; ⁵Departament de Psicobiologia i Metodologia en Ciències de la Salut, Universitat Autònoma de Barcelona, Spain; ⁶Fundació Àmbit Prevenció, Barcelona, Spain; ⁷Institut de Neuropsiquiatria i Addiccions, Hospital del Mar Medical Research Institute-IMIM, Spain; ⁸Medicine & Health Sciences Department, Universitat Pompeu Fabra, Spain; ⁹Centro de Investigación Biomédica en Red de Epidemiología y Salud Pública, Spain

Co-occurrence of gaming disorder and drug dependence in people who use stimulants during the era of COVID-19 pandemic in Taiwan

T. S-H. Lee^{1,2,3}, M-C. Huang⁴, L-Y. Chen^{5,6}, K-H. Wu⁷, C-Y.Huang⁸, Y-L. Lai⁹, S-C. Fang¹⁰, C-H. Chen¹¹, C. Lin⁴, Y-L. Lin⁷, L-W. Su¹², Yi-J. Wu⁴, C-C. Hung^{2,3}

¹Department of Health Promotion and Health Education, National Taiwan Normal University, Taiwan; ²CTBC Center for Addiction Prevention and Policy Research, National Taiwan Normal University, Taiwan; ³Taiwan Harm Reduction Association, Taiwan; ⁴Department of Addiction Sciences, Taipei City Psychiatric Center, Taipei City Hospital, Taiwan; ⁵Kunming Prevention and Control Center, Taipei City Hospital, Taiwan; ⁶Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taiwan; ⁷Department of Addiction Psychiatry, Taoyuan Psychiatric Center, Ministry of Health and Welfare, Taiwan; ⁸Department of Community Psychiatry, Bali Psychiatric Center, Ministry of Health and Welfare, Taiwan; ⁹Department of Crime Prevention and Corrections, Central Police University, Taiwan; ¹⁰Department of Nursing, Mackay Medical College, Taiwan; ¹¹Department of Public Administration, National Taipei University, Taiwan; ¹²Department of Psychiatry, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, Taiwan

Cannabis use for medical purposes in the United States and Canada: Findings from the International Cannabis Policy Study

J. Leung^{1,2}, G.Chan¹, D. Stjepanović¹, J. Y. C. Chung^{1,2}, Wayne Hall¹, D. Hammond³

¹National Centre for Youth Substance Use Research, The University of Queensland, Australia; ²School of Psychology, The University of Queensland, Australia; ³School of Public Health and Health Systems, University of Waterloo, Canada

Study of impulsiveness and aggression in patients with opioid dependence: Comparison with healthy controls

R. Mathur, S. Sarkar, M. A. Pandit, Y. P. S. Balhara, R. Jain
Department of Psychiatry, National Drug Dependence Treatment Centre, All India Institute of Medical Sciences, India

Exploring risk factors associated with tetrahydrocannabinol use among male Palestinians in the North and the Middle of the West Bank: A cross-sectional study

M. MohammedAli¹, B. Damiri²

¹Department of Medicine, An-Najah National University, Palestine; ²Drug and Toxicology Division, An-Najah National University, Palestine

Severity of substance use disorder and its association with crime, sexually transmitted infections among female residents undergoing drug rehabilitation in a Nigerian hospital.

O. O. Ogunjobi¹, A. K. Ayankola¹, A. S. Adegbola¹, T. Babalola¹, O. S. Jegede²
¹Neuropsychiatric Hospital, Aro, Nigeria; ²The Herbert Wertheim School of Public Health and Human Longevity Science, University of California San Diego, United States

Monitoring online illicit drug market during the COVID-19

D. Otiashvili, T. Mgebrishvili, A. Beselia, I. Kirtadze
Addiction Research Center-Alternative Georgia, Georgia

Predictors of electronic cigarettes use and its association with mental health in Nigeria: A community survey

A. Oyapero^{1,2}, O. Erinoso², M. Osoba³, S. Kareem¹
¹Tobacco Cessation Clinic, Lagos State University Teaching Hospital, Nigeria; ²Lagos State University College of Medicine, Nigeria; ³Department of Epidemiology, Robert Stempel College of Public Health and Social Work, United States; ³African Center of Excellence for Genomics of Infectious Diseases, Nigeria

Co morbidity among alcohol and opioid users in an isolated region of India

L. Ralte, Presbyterian Synod Hospital, India

Prevalence and pattern of substance use disorders in 10 districts of Kashmir: A 2022 survey

Y. H. Rather¹, F. Roub¹, Z. Mir¹, H. Susami^{2,3}, D. S. Metzger⁴
¹Institute of Mental Health and Neuro Sciences–Kashmir, India; ²Abhipraya Foundation, Indonesia; ³Indonesia International Technology Transfer Center, Indonesia; ⁴University of Pennsylvania, United States

Experience of cannabis use from adolescence to adulthood in France: An interpretative phenomenological analysis

S. F. Rezag Bara, M. Mary-Krause, S. Wallez, J-S. Cadwallader
Sorbonne Université, INSERM, Institut Pierre Louis d'Epidémiologie et de Santé Publique, IPLESP, Equipe de Recherche en Epidémiologie Sociale, France

Evaluation of acute respiratory infection surveillance system in Balochistan-Pakistan

S. Riaz¹, A.Saeed²
¹Ministry of Health Pakistan; ²Health Department, Pakistan

Polysubstance use profiles and human immunodeficiency virus viremia in a South African cohort of female sex workers: A latent class analysis

J. G. Rosen¹, J. R. Knox², K. B. Rucinski¹, M. Mcingana³, N. Mulumba³, C. A. Comins¹, L. Shipp¹, S. Makama³, S. W. Beckham¹, H. Hausler³, S. D. Baral¹, S. R. Schwartz¹
¹Johns Hopkins Bloomberg School of Public Health, United States; ²Columbia University, United States; ³TB HIV Care, South Africa

Non-traditional tobacco smoking: An emerging risk in the West Bank among male Palestinians

M. Saifi, B. Damiri
An-Najah National University, Palestine

The prevalence of Kratom (Mitragnya speciosa Korth.) use and co-use with other substances among the Thai population in southern Thailand

D. Saingam¹, A. F. Geater¹, W. Jitpiboon¹, C. Latkin²

¹Department of Epidemiology, Faculty of Medicine, Prince of Songkla University, Thailand; ²Department of Health, Behavior, and Society, Johns Hopkins Bloomberg School of Public Health, United States

Prevalence of comorbid substance use disorders among people with opioid use disorder: A systematic review and meta-analysis

T. Santo Jr.¹, G. Campbell², N. Gisev¹, L. Thi Tran¹, S. Colledge³, J. Wilson⁴,
D. Martino-Burke¹, B. Clark¹, L. Degenhardt¹

¹National Drug and Alcohol Research Centre at the University of New South Wales-Sydney, Australia; ²School of Psychology at University of the Queensland, Australia; ³National Drug Research Institute at Curtin University, Australia; ⁴Matilda Centre for Research in Mental Health and Substance Abuse, The University of Sydney, Australia

Evaluation of the risk of psychoactive substance use and eating attitudes and behaviors among Palestine refugees in the North of the West Bank

A. Shakhshir¹, N. Khelfeh¹, A. Mousa¹, I. AbuAlrub¹, A. Hamad¹, M. Hunjul¹,
F. Mahamid², B. Damiri³

¹Department of Medicine, An-Najah National University, Palestine; ²Department of Psychology, An-Najah National University, Palestine; ³Drug and Toxicology Division, An-Najah National University, Palestine

COVID 19 pandemic-related impacts and severity of substance use disorder symptoms among patients in selected rehabilitation centers in Nairobi, Kenya

A. Stephen

The Catholic University of Eastern Africa, Kenya

The impact of the Bolsa Família cash transfer program on hospital admissions of people with severe substance use disorder in Brazil: A study of the 100 million Brazilian Cohort

L. Toledo¹, E. Fialho¹, F. Alves¹, V. Patel^{2,3}, M. Barreto^{1,4}, D. Machado^{1,2}

¹Centre for Data and Knowledge Integration for Health, Gonçalo Moniz Institute, Oswaldo Cruz Foundation, Brazil; ²Department of Global Health and Social Medicine, Harvard Medical School, United States; ³Department of Global Health and Population, Chan School of Public Health, Harvard University, United States; ⁴Institute of Collective Health, Federal University of Bahia, Brazil

A qualitative investigation of substance use risk and the service gaps among transgender women in Vietnam

V. Vu^{1,2}, C. Lin³, S. Larkins³, D. Do², D. Nguyen², L. Nguyen^{1,2}, C. Reback³

¹Vietnam HIV Addiction Technology Transfer Center, Vietnam; ²University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam; ³University of California, Los Angeles, United States

Changes in mental health, quality of life, and addiction severity among addiction treatment of probation—a follow-up study

K. Yu-Yu¹, C. Hsing-Kang¹, L. Kun-Hua²

¹Yuli Hospital Ministry of Health and Welfare, Taiwan; ²Department of Educational Psychology and Counseling, National Tisng Hua University, Taiwan

INFORMATIONAL

Community health committees: A participatory approach to build a resilient local health system in North Darfur, Sudan

A. Abdulrahim¹, D. Abuobaida², M. Abuto², A. Sayed²

¹Humphrey Fellowship Program, Virginia Commonwealth University, United States;

²GOAL Global, North Darfur Office, Sudan

Preventing addictions: Analysis of scientific research, collaboration and impact on the effectiveness of policies, programs and projects

F. J. Bueno Cañigral¹, M. B. Pizarro^{2,3}, R. A. Benavent^{4,5}, J. C. Valderrama-Zurián², D. R. Schneider⁶

¹Servicio de Adicciones, Concejalía de Salud y Consumo, Ajuntament de València, Spain; ²Department of History of Science and Documentation, University of Valencia, Spain; ³Research Institute for Higher Education and Science, Spain; ⁴Health and Social Research and Information Unit, University of Valencia; ⁵Institute of Innovation and Knowledge Management-Ingenio CSIC-Polytechnic University of Valencia, Spain; ⁶Núcleo de Pesquisas em Clínica da Atenção Psicossocial-PSICLIN, Department of Psychology, Federal University of Santa Catarina, Brazil

Severe, poly-drug intoxications involving Flakka: An overview of the Belgian case reports

M. Degreeef, M. Balcaen

Belgian Early Warning System on Drugs, Unit Drugs, Service Health Information, Belgium

Medical teleconsultations with pregnant women during the COVID pandemic in a Central American country (2020-2021)

H. Espinoza

Humphrey Fellowship Program, Virginia Commonwealth University, United States

Towards a comprehensive cannabis policy taxonomy: A scoping review of medical and recreational cannabis laws

R. Goycolea¹, A. R. Aguirre², D. Gilmore³, G. Laynor², S. Peña⁴, R. Queirolo⁵, M. Cerdá², A. Zúñiga-Fajuri⁶, A. Castillo-Carniglia⁷

¹Facultad de Odontología y Ciencias de la Rehabilitación, Universidad San Sebastián, Chile; ²New York University Grossman School of Medicine, United States; ³Mailman School of Public Health, Columbia University, United States; ⁴Finnish Institute for Health and Welfare, Finland; ⁵Departamento de Ciencias Sociales, Universidad Católica del Uruguay, Uruguay; ⁶School of Law, University of Valparaiso, Chile; ⁷Society and Health Research Center, Universidad Mayor, Chile

Gender-sensitive training for substance use disorder treatment professionals: Comparing results and implications of two urban provinces in South Africa

L. Jacobs

Rhodes University, South Africa

A systematic review of second-hand smoking mass media campaigns (2002-2022)

C. Lim¹, S. Foo¹, B. Rutherford¹, F. Su¹, C. McClure-Thomas¹, R. Scheurer²,
D. Stjepanović¹, S. Sebayang³, F. Fausiah⁴, G. Farassania⁴, A. Maidin⁵, A. Ansariadi⁵,
C. Gartner¹, G. Chan¹, H. Gouda¹, J. Leung¹

¹The University of Queensland, Australia; ²Queensland Health, Australia; ³Universitas Airlangga, Indonesia; ⁴University of Indonesia, Indonesia; ⁵Hasanuddin University, Indonesia

Towards whole-person recovery: Constructing the framework and implication of whole-person to reflect and resolve the difficulty of drug abusers' whole-person recovery

C. F. Pai

CTBC Center for Addiction Prevention and Policy Research, National Taiwan Normal University, Taiwan; School of Criminology and Criminal Justice, Griffith University, Australia

Outcome of community-based ethical training for counseling centers in some rural settings in Nigeria

F. A. Popoola¹, O. B. Adeyemi², L. Victor³, O. Olushola²

¹National Drug Law Enforcement Agency, Nigeria; ²Department of Behavioural Medicine, Lagos State University College of Medicine Ikeja, Nigeria; ³Department of Psychiatry, College of Medicine, University of Ibadan, Nigeria

Viral vaping: A systematic review and meta analysis of e-cigarettes and tobacco-related social media content and its influence on youth

B. N. Rutherford^{1,2}, C. C. W. Lim^{1,2}, B. Cheng^{1,2}, T. Sun^{1,2}, G. Vu^{1,2}, B. Johnson^{1,2},
D. P. Ashley³, J. Chung^{1,2}, S. Huang³, J. Leung¹, D. Stjepanović¹, J. P. Connor^{1,2,3},
G. C. K. Chan¹

¹National Centre for Youth Substance Use Research, The University of Queensland-Saint Lucia, Australia; ²School of Psychology, The University of Queensland-Saint Lucia, Australia; ³School of Medicine, The University of Queensland-Herston, Australia

A great equalizer? Virginia Commonwealth University's Hubert H. Humphrey Fellowship Program trends over time reveal no sex differences in program outcomes

C. Tirado, W. Kliewer, R. Balster, H. Ashton, J. R. Koch
Virginia Commonwealth University, United States

A systematic review and meta-analysis of the relationship between smoking and intelligence measures

G. T. Vu^{1,2}, D. Stjepanović¹, T. Sun^{1,2}, J. Leung^{1,2}, Y. Qiu², W. Hall^{1,2}, G. Chan¹

¹National Centre for Youth Substance Use Research, Australia; ²The University of Queensland, Australia

PREVENTION

MASLIHAT intervention reduces human immunodeficiency virus risk behavior among Tajik migrant workers in Moscow who inject drugs

M. Bahromov¹, J. Levy², C. M. Luc², J. Jonbekov¹, M. E. Mackesy-Amiti²

¹PRISMA Research Center, Tajikistan; ²University of Illinois at Chicago, United States

Prevention of substance abuse among service personnel

R. Basse
African Council on Narcotics, Nigeria

Feasibility of integrating buprenorphine into a harm reduction program for people who inject drugs in Kampala, Uganda

L. R. Glasman¹, J. Dickson Gomez¹, D. Katende², L. Luzinda², B. Johnston¹,
W. Twaibo², M. Ogwal³, G. Muzinguzi³
¹Medical College of Wisconsin, United States; ²Uganda Harm Reduction Network,
Uganda; ³Makerere University, Uganda

Assessing the Keepin' it REAL Substance Use Prevention Program for early adolescents in Kenyan schools: Feasibility, acceptability, and utility

S. Kulis¹, F. Marsiglia¹, O. Cutrín², S. Muniywin³, C-K. Huang¹, K. Gresenz¹,
A. Campos¹
¹Arizona State University, United States; ²University of Santiago de Compostela, Spain;
³African Institute for Child Studies, Kenya

Perception of tobacco snuff use and prevalence among the adolescents in lower eastern region, Kenya

V. Muniywin
United States International University-Africa, Kenya

How can we increase the opioid agonist therapy prescriber workforce: Family medicine residents' perceptions of enhancing opioid analgesic and agonist treatment training in a Canadian setting

S. Narayan, H. Brath, M-A. Hamilton, M. Maclure, R. McCracken, J. Klimas
University of British Columbia, Canada

Measuring CHOICE-8 effect and gender differences among adolescents participating in the substance abuse prevention program

V. Ryabukha
Prevention Center "Choice," Ukraine

Implications of increased diversity and complexity of families' structure on adolescents' substance use in Bayelsa-Nigeria: Perspectives on harm reduction

G. Scent
Niger Delta University, Nigeria

Exploring the relationship between adverse childhood experiences and e-cigarette use among youth: A 2022 Bangkok behavioral surveillance survey, Thailand

B. Thephtien
ASEAN Institute for Health Development, Thailand

Cybercrime and quality of sleep as predictors of methamphetamine use among persons with methamphetamine use disorder in Nigeria

E. Uche¹, E. Wisdom²
¹Servicity Advocacy for Anti Drug Abuse Initiatives, Nigeria; ²Chukwuemeka
Odumegwu Ojukwu University, Nigeria

Psychometric characteristics of the substance use profile scale among Bulgarian adolescents

G. Vasilev¹, E. Psederska^{1,2}, D. Nedelchev¹, Y. Georgieva³, K. Bozgunov¹, J. Vassileva⁴
¹Bulgarian Addictions Institute, Bulgaria; ²New Bulgarian University, Bulgaria;
³Foundation Center for Humane Policy, Bulgaria; ⁴Virginia Commonwealth University, United States

Knowledge and attitude towards the brain disease model of addiction among undergraduate students in Taiwan

Y-R. Yang, Y-J. Chang
National Taiwan Normal University, Taiwan

TREATMENT

Comparison in quality of life improvement after entering medication assisted treatment, before and during COVID pandemic

A. O. Abagiu^{1,2}, F. Sturza¹, A. Koulosousas², C. I. Fierbinteanu², E. Cojocaru²,
A. A. Luca², C. M. Vasile¹, M. I. Dragusanu¹, D. D. Dobre¹, M. Ionicel¹, N. V. Hila¹,
E. A. Bolocan^{1,2}, F. M. Duna¹
¹National Institute for Infectious Diseases, Romania; ²Romanian Association Against AIDS, Romania

Objective and subjective sleep during lisdexamfetamine treatment of acute methamphetamine withdrawal: New measurement paradigm

L. S. Acheson^{1,2,3}, C. Gordon^{4,5}, R. McKetin¹, J. Brett², M. Christmass⁶, C. Rodgers²,
N. Lintzeris^{7,8}, A. Dunlop^{7,9}, M. Farrell¹, S. Shoptaw¹⁰, Nadine Ezard^{1,2,3,7},
K. J. Siefried^{1,2,3}
¹The National Drug and Alcohol Research Centre, Australia; ²St. Vincent's Hospital Sydney, Australia; ³The National Centre for Clinical Research on Emerging Drugs, Australia; ⁴Woolcock Institute of Medical Research, Australia; ⁵The University of Sydney, Australia; ⁶Next Step Drug and Alcohol Services, Curtin University, Australia; ⁷New South Wales Drug and Alcohol Clinical Research and Improvement Network, Australia; ⁸South East Sydney Local Health District, Australia; ⁹Hunter New England Local Health District, Newcastle University, Australia; ¹⁰The University of California, United States

Congruence between the KMSK scale and DSM-5 criteria for substance use disorders

K. Bozgunov¹, M. Koleva¹, N. Dobрева^{1,2}, E. Psederska^{1,3}, D. Nedelchev¹, G. Vasilev¹,
J. Vassileva⁴
¹Bulgarian Addictions Institute, Bulgaria; ²Maastricht University, The Netherlands; ³New Bulgarian University, Bulgaria; ⁴Virginia Commonwealth University, United States

Deferred prosecution treatment is effective in reducing recidivism of Schedule II drugs use: A population-based follow-up study from 2008 to 2021 in Taiwan

E. Chao¹, Y-H. Cheng¹, T. S-H. Lee¹, Y-C. Ku²
¹CTBC Center for Addiction Prevention and Policy Research, National Taiwan Normal University, Taiwan; ²Crime Prevention Research Center, Academy for the Judiciary, Ministry of Justice, Taiwan

Building predictive models for drug use recidivism with deferred prosecution and addiction treatment using deep learning

E. Chao¹, Y-C. Ku², T. S-H. Lee¹

¹CTBC Center for Addiction Prevention and Policy Research, National Taiwan Normal University, Taiwan; ²Crime Prevention Research Center, Academy for the Judiciary, Ministry of Justice, Taiwan

Expanding access to treatment in mental health and alcohol and other drugs in a university hospital in southern Brazil

F. Conto, D. Abreu

University Hospital of the Federal University of Santa Catarina, Ministry of Health, Brazil

A 'PAWSitive' toolkit for service dog trainers: Resources to support veterans with post-traumatic stress disorder and substance use health concerns

C. Dell¹, B. Kosteniuk¹, M. Cruz¹, D. Chalmers²

¹University of Saskatchewan, Canada; ²University of Regina, Canada

Response to COVID-19 pandemic to ensure treatment continuity for patients on methadone maintenance therapy: Lessons learned from Vietnam

T. Thanh Thuy Dinh¹, T. Trang Nguyen¹, D. Hoe Han¹, H. Anh Nguyen¹, H. Hoa Nguyen², V. Dung Do², S. Shoptaw³, M. Giang Le¹

¹Hanoi Medical University, Vietnam; ²University of Medicine and Pharmacy at Hochiminh, Vietnam; ³University of California, Los Angeles, United States

Access to treatment and service utilisation among problem drug users in Nigeria: A descriptive analysis

N. Essien, G. Akpabio, I. Obot

Centre for Research and Information on Substance Abuse, Nigeria

Effectiveness of atypical vs typical antipsychotic medication for the treatment of substance use disorders: A systematic review and meta analytic study

S. Hanu

Mental Health Authority, Ghana

Patterns of new psychoactive substance in substance users at a tertiary care treatment centre based on urinalysis

R. Jain, R. Kumar Chadda, R. Quraishi, R. Lal, R. Rao, S. Rana, R. Raghav, A. Kumar, S. Kumar

National Drug Dependence Treatment Centre, Department of Psychiatry, All India Institute of Medical Sciences, India

Barriers to treatment of substance use in transgender individuals

S. Mandal, A. Chattopadhyay, S. Sarkar

All India Institute of Medical Sciences, India

Understanding the nature and the need for medications for opioid use disorder treatment for incarcerated women in the country of Georgia

G. Minasovi
Center for Co-Occurring Disorders, Georgia

Recovery programmes for intervention about substance abuse disorders: European good practices

A. J. Molina Fernández¹, J. Saiz Galdós¹, M. L. Cuenca Montesino¹, F. G. Rodríguez¹,
B. M. García¹, G. Rodríguez Hansen²

¹Departamento de Psicología Social, del Trabajo y Diferencial, Universidad Complutense de Madrid/UCM, Spain; ²Universidad de Barcelona, Spain

Factors influencing lifelong antiretroviral treatment access among injecting drug users living with human immunodeficiency viruses

R. Myint, T. W. Daung, M. Phoo
Myanmar Anti-Narcotics Association, Myanmar

Mixed-methods evaluation of methadone take-home pilot in Vietnam shows promising results for national scale-up

D. Nguyen¹, T. Dinh¹, N. Trinh², T. Nong³, T. Do⁴, T. Nguyen⁴, M. Pham⁴, C. Hoang⁵,
G. Le¹

¹Hanoi Medical University, Vietnam; ²Vietnam Military Medical Academy, Vietnam;
³Brandeis University, United States; ⁴Vietnam Administration of HIV/AIDS Control,
Vietnam; ⁵National Institute of Malariology, Parasitology. and Entomology, Vietnam

Substance use disorder treatment centers and services needs assessment Afghanistan

S. Sayeedy, Y. Hashimi
Drug Demand Reduction of Afghanistan, Afghanistan

Cultural adaptation and validation of Urdu version of Barrat Impulsiveness Scale (BIS-11) in patients seeking treatment for substance use disorder in Pakistan

S. Shahzad¹, A. Ali¹, N. Begum², H. Mukhtar¹, S. Khan¹

¹Institute of Clinical Psychology, University of Karachi, Pakistan; ²Virtual University of Pakistan, Pakistan

Integrating community reinforcement and family training in aboriginal community-controlled alcohol and drug services

N. Snowdon¹, S. Farnbach¹, J. Allan², E. Gallagher¹, A. Clifford³, E. Harwood¹,
A. Shakeshaft⁴

¹National Drug and Alcohol Research Centre (NDARC), UNSW Sydney, Australia;
²Rural Health Research Institute, Charles Sturt University, Australia; ³School of Public Health, University of Queensland, Australia; ⁴Poche Centre for Indigenous Health, University of Queensland, Australia

Investigating suicidal related behaviours in emergency departments, mental health services, hospitals, and the death registry following discharge from residential treatment for substance use disorders: A data linkage study

C. Tisdale¹, D. de Andrade², J. Leung³, G. Campbell¹, Leanne Hides¹

¹Lives Lived Well Research Group, School of Psychology, The University of Queensland, Australia; ²Griffith Criminology Institute, Griffith University, Australia; ³National Centre for Youth Substance Use Research, The University of Queensland, Australia

Nutritional ketosis as a treatment for alcohol withdrawal symptoms

S. Tonetto¹, P. Weikop², M. Thomsen¹

¹Laboratory of Neuropsychiatry, Psychiatric Center Copenhagen, and University Hospital of Copenhagen, Denmark; ²Center for Translational Neuromedicine, University of Copenhagen, Denmark

Characteristics of dropouts from passive telephone-based community support: The Voice Bridges Project in Japan

S. Tsutsumi^{1,2,3}, T. Usami^{1,2,4}, A. Takano⁵, Y. Kumakura⁶, Y. Kanazawa⁷, T. Matsumoto^{1,2}

¹National Institute of Mental Health, Japan; ²National Center of Neurology and Psychiatry, Japan; ³Graduate School of Health Management, Keio University, Japan; ⁴Kitakyushu Municipal Mental Health and Welfare Center, Japan; ⁵Department of Mental Health and Psychiatric Nursing, Tokyo Medical and Dental University, Japan; ⁶Department of Neuropsychiatry, The University of Tokyo Hospital, Japan; ⁷Seijo University Research Center for Therapeutic Jurisprudence, Japan

Group therapy's role in the treatment of indigenous adolescents living with human immunodeficiency virus in Panama

D. Vargas Mendez
Ministry of Social Development, Panama

An intervention module for methamphetamine use in youths utilizing mobile smartphone technology

S. Wahab¹, A. D. Azmi¹, M. F. Nasrudin¹, M. A. Zulkifly¹, N. B. A. Kadir¹, N. Ibrahim¹, N. Mustaffa¹, S. R. Awang², N. A. A. Wahab¹, M. J. A. Azizi¹

¹Universiti Kebangsaan Malaysia Medical Centre, Malaysia; ²Azman Hashim International Business School, Universiti Teknologi Malaysia, Malaysia