



1 of 1

[Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More... >](#)[Full Text](#)*International Journal of Body, Mind and Culture* • Volume 9, Issue 3 • 28 June 2022**Document type**

Article

Source type

Journal

ISSN

23455802

DOI

10.22122/ijbmc.v9i3.391

Publisher

Vesnu Publications

Original language

English

[View less](#)

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

Related documents

Find more related documents in Scopus based on:

[Authors >](#) [Keywords >](#)

An Investigation of the Effect of Smoking, Alcohol, and Drug Use on Male Infertility

[Iswanto, A. Heri^a](#); [Karim, Yasir Salam^b](#); [Islam, Zahidul^c](#); [Alkadir, Ola Kamal A.^d](#); [Jalil, Abduladheem Turki^e](#); [Khlaif, Ali T.^f](#); [Mustafa, Yasser Faki^g](#); [Kzar, Hamzah H.^h](#); [Al-Gazally, Moad E.ⁱ](#); [Beheshtizadeh, Narmin^j](#)

[Save all to author list](#)

^a Department of Public Health, School of Health Sciences, University of Pembangunan Nasional Veteran Jakarta, Jakarta, Indonesia

^b Al-Manara College for Medical Sciences, Maysan, Iraq

^c Ahmad Ibrahim Kulliyah of Laws (AIKOL), International Islamic University Malaysia, Selangor, Malaysia

^d Al-Nisour University College, Baghdad, Iraq

[View additional affiliations](#) [Full text options](#) [Export](#)

Abstract

Author keywords

SciVal Topics

Abstract

Background: Infertility in men has increased in recent years. Numerous physical, chemical, biological, and social factors are known to play a role in reducing semen quality, in between, there are high-risk behaviors that affect the quality of semen. In this paper, the effects of three factors: Smoking, alcohol consumption, and drugs have been investigated. **Methods:** This case-control study was performed from June to September 2021 on 500 people, 250 people with normal semen quality and 250 people with defective semen quality. The data collection tool was a questionnaire made by researchers and semen test results. Finally, the collected data were analyzed by descriptive method with SPSS software. For quantitative variables, mean and standard deviation (SD) were used, while frequency and percentage reports were used for qualitative variables. **Results:** Drug use had a


significant relationship with the shape and motility of sperm ($B = -0.675$, $P = 0.005$). The chance of natural semen decreases by 0.506 times with an increase of one drug use unit; moreover, the older the age of onset of drug use, the more the semen disorders ($B = 0.514$, $P = 0.002$). Conclusion: Smoking and alcohol consumption were not identified as factors affecting semen quality, but there was a significant relationship between drug use and age of onset and semen disorders. © 2022, Vesnu Publications. All rights reserved.

Author keywords

Alcohol ; Drug ; Infertility ; Smoking

SciVal Topics 



 Iswanto, A.H.; Department of Public Health, School of Health Sciences, University of Pembangunan Nasional Veteran Jakarta, Jakarta, Indonesia

© Copyright 2022 Elsevier B.V., All rights reserved.

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. ↗ . All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.

