Combining weak acids and fasting could be a viable strategy against infections by Ebola-like viruses

Yuhan Lin¹, Lipeng Liao¹, Chanyuk Lam¹, Min Fu², Qiuyun Liu^{1,*}

¹School of Life Sciences, Sun Yat-Sen University, Guangzhou 510275, China.

²Deyang Health Committee, Sichuan, China

*Correspondence author: Qiuyun Liu, School of Life Sciences, Sun Yat-sen University, Guangzhou 510275, China.

E-mail address: lsslqy@mail.sysu.edu.cn (Q. Liu)

Abstract

Ebola-like viruses could depend on chloride or HCl to deliver lethal assault on human cells, causing hemorrhaging, bleeding, diarrhea, etc. It may harbor stressful peptides which can be generated in vivo after infections. Fasting with boiled rice water or with orange juice for a few days can halt virion production. However, infection-triggered cell lysis can produce nutrients for viral proliferation. The adoption of highly diluted weak organic acids such as acetic acid or lactic acid for smearing skin or foot bathing can neutralize chloride or HCl after absorption, and raise cellular pH to minimize cell lysis. Integration of fasting/fruit juice intake and highly diluted weak acids might reduce mortality rates of Ebola-like virus infections. The intake of NaCl should be minimized as it can give rise to chloride or HCl in cell microenvironment. Many food ingredients such as vinegar and sauce contain salt. Clinical trials must be conducted before the regimen is available for use.

Keywords

Ebola-like viruses; chloride; HCl; fasting; weak acids

Conflict of interest

None declared.

ACKNOWLEDGMENT

This work was supported by the Science and Technology Transformation Program of Sun Yat-sen University of China (33000-18843234) and Guangzhou Science and Technology Program (201804010328) to Q. Liu.

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