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Fasting in the Holy Month of Ramadan and Lipid Profile

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ABSTRACT

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Keywords: Fasting Lipid profile Ramadan Ramadan is the ninth month of the Islamic calendar, and is a fasting month. Fasting is one of the Islamic obligations. This annual ritual is regarded as one of the Five Pillars of Islam according to hadith of fifth Shia imam (Peace be upon him). In the other hand, Lipid profile is a type of blood tests and this's very important for body health, Specially individuals with abnormal range of it. A complete lipid profile involves routine tests such as Total Cholesterol (TC), Triglycerides (TG), high-density lipoprotein (HDL, and level active). Our goal is described to a first control of the control of t

important for body health, Specially individuals with abnormal range of it. A complete lipid profile involves routine tests such as Total Cholesterol (TC), Triglycerides (TG), high-density lipoprotein (HDL, good cholesterol) and low-density lipoprotein (LDL, bad cholesterol).Our goal is determination of Ramadan fasting efficacy on the Lipid profile. With regards to the present study, it can be concluded that fasting have a good effects on the Lipid profile, according to the above fields. But this subject needs to have multiple studies, so it was advised to conduct more study, in order to obtain the comprehensive and exact results. Finally, Holy month of Ramadan and fasting have a lot miracles in different fields of

health, So fasting is a godliness way that it have multiple remedial effects.

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Ramadan is the holy month of fasting and the ninth month of the Islamic calendar (1). Fasting is one of the Islamic obligations. According to the hadiths of fifth Shia Imam and Muhammad prophet (Allah's prayers and peace be upon him and his Ahl al-Bayt1), this annual ritual is regarded as one of the five pillars of Islam and this is a way in order to obtain excellent life. On the other hand. lipid profile is a panel of blood tests and an important measure of overall health, especially in individuals with abnormal test results. A complete lipid profile typically involves tests, such as total cholesterol (TC), triglyceride (TG), high-density lipoprotein (HDL, good cholesterol), and lowdensity lipoprotein (LDL, bad cholesterol). This study aimed to evaluate the effect of Ramadan fasting on lipid profiles of patients. Some studies have demonstrated a notable improvement in TC/HDL level, TC level, and other lipid profile variables after Ramadan fasting, which could be associated with a decreased risk of coronary heart disease (2-6). Moreover, researchers have suggested a reduction in cholesterol level in people who fast. According to the literature, Ramadan fasting could play a significant role in the improvement of HDL level (3-8). Similarly, Adlouni et al. indicated that Ramadan fasting was associated with decreased cholesterol promoted HDL levels (9). In another study, the results were indicative of the significant impact of fasting on HDL and TG levels (2-6, 10, 11). Shehab et al. conducted a study on 65 healthy individuals, entitled "Effects of fasting during Ramadan on plasma lipid and lipoprotein variables". According to the results of the mentioned study, a significant improvement was observed in the HDL level of the samples (12). In another study in 2014, which was conducted on healthy individuals, fasting in Ramadan led to a significant decline in LDL level (13). In addition, in a previous study, Ziaee reported a significant decrease in LDL level (8); similar outcomes have been also observed in other studies (3-5, 9, 10, 12). The results of the present study were indicative of the positive effects of fasting on lipid profile. However, it is recommended that further studies be conducted

¹ Ahl al-Bayt refers to the Islamic prophet Muhammad and his daughter and Shia Imams.

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on this subject in order to obtain more comprehensive and accurate results. In conclusion, fasting in the holy month of Ramadan could significantly contribute to the overall health of individuals. Therefore, it could be considered as a holy practice with multiple remedial effects.

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