Mentha, Dracocephalum and Propolis effects on the health of Pancreas and Liver cells
Sayed Alireza Mirsane 1,*, Nasrin Oraei 2

1 Surgical Technologist, Kashan University of Medical Sciences, Kashan, I.R.IRAN
2 Lecturer of education office, Isfahan, I. R. Iran

*Corresponding author: Sayed Alireza Mirsane, Surgical Technologist, Kashan University of Medical Sciences, Kashan, I.R. IRA; Email: alireza.seyed70@gmail.com; Tel: +989133715873.

Dear Editor

Mentha and Dracocephalum members of plants in the Lamiales (1). Oils of Mentha Genus are most popular and widely used essential oils, because they have very important components of natural antioxidants. As well as Mentha extract have antioxidant and antimutagenic properties and activities, because it contains α-tocopherol and Rosmarinic acid (2,3). Moreover, Dracocephalum have serious materials such as Luteolin, Oleic acid, Ursolic acid and Flavonoids (4,5). Luteolin, Oleic acid and Ursolic acid are members of chemicals family called Terpenoids. On the other hand, Propolis is a foodstuff and attention to it is very important and necessary because it has Caffeic Acid Phenethyl Ester (CAPE). It should be noted Propolis is a gummy admixture that honey bees produce via beeswax and mixing saliva with exudate prepared from flowers, tree buds and flower buds (6). Our goal is determination of Mentha, Dracocephalum and Propolis effects on the promotion and improvement of pancreatic and hepatic cells health.

In researches results have been suggested that Flavonoids have good efficiency of biological and pharmacological activities such as anti-inflammatory, anti-cancer and reducer of pancreatic cancer risk as well as results from in vitro and in vivo studies have suggested that Terpenoids are candidates in the chemo-therapeutic way and chemo-preventive for liver cancer. (5,7,8). Scholars also explained that Rosmarinic acid is as a candidate for the liver fibrosis treatment and it has therapeutic role in acute pancreatitis (9,10). Also, α-tocopherol has salubrious efficacy in repairing and improving hepatic pathology (11). Furthermore, CAPE is able to decrease oxidative stress and hepatic and pancreatic injuries. It has notable ability for controlling and reduction for pancreatic cells injuries. CAPE can inhibit the development pancreatic cancer cells via Twist 2 expression downregulation (A tumor progression promoter) (12,13,14). Interestingly, according to the Holy Quran if bees via normal and natural way produce honey, this honey is a therapeutic foodstuff and also its other products are remedial materials (15).

Due to this study we conclude that Mentha, Dracocephalum and Propolis are remedial foodstuffs. They have different efficiency and effective role in promotion and improvement of pancreatic and hepatic cells function and health so more attention to these important materials in various pharmaceutical fields is necessary. Cancer and disorders of Pancreas and liver are common in the worldwide. Unfortunately, Pancreatic cancer and hepatic cancer are seventh and second most common cause of cancer deaths, respectively (16). Hence, it was recommended to usage of these foodstuffs for sublimity social health, for example alcoholism is the one of main risk factor of these cancers and disorders so people can combat to these problems via alcohol consumption deletion and usage of health promoter foodstuffs such as Mentha, Dracocephalum and Propolis.

Finally, further studies need to be conducted in this area for detection of more usefulness of Mentha, Dracocephalum and Propolis.

Keywords: Mentha, Dracocephalum, Propolis, Pancreas, Liver

Conflicts of interest
Authors declare no conflict of interests.
References


15. Holy Qur’an; AN-NAHL (16); Verses No. 68 and 69.