Association of dietary intake of fruit and green Vegetables with PTEN and P53 mRNA gene expression in visceral and subcutaneous adipose tissues of obese and non-obese adults

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Abstract

The present study investigates the association of dietary intake of fruit and green Vegetables with PTEN and P53 mRNA gene expression in visceral (VAT) and subcutaneous adipose tissues (SAT) of obese and non-obese adults. VAT and SAT were obtained from 151 individuals, aged ~40 years, who had undergone elective abdominal surgery. The participants were grouped according to their body mass index (BMI), as obese (BMI > 30 kg/m2) and non-obese (BMI=18.5-30 kg/m2). Dietary intakes were obtained using a valid and reliable food-frequency questionnaire (FFQ). Real-time PCR was carried out for *PTEN* and *P53* mRNA expressions. Associations between expression levels and dietary parameters were analyzed. *P53* mRNA expression of obese participants was significantly higher than the non-obese, only in VAT ($p<0.001$).

Biography:

Atoosa Saidpour has completed her PhD at the age of 31 years from Shahid Beheshti University of Medical Sciences Medicine. She is asisstant professor in Department of Clinical Nutrition of Shahid Beheshti University of Medical Sciences. She has published more than 13 papers in reputed journals.

Speaker Publications:

1. "The prevalence of food addiction and its associations with plasma oxytocin level and anthropometric and dietary measurements in Iranian women with obesity"
2. "The beneficial effects of sumac (Rhus coriaria L.) supplementation along with restricted calorie diet on anthropometric indices, oxidative stress, and inflammation in overweight or obese women with depression: A randomized clinical trial"
3. "Association of dietary intake of fruit and green Vegetables with PTEN and P53 mRNA gene expression in visceral and subcutaneous adipose tissues of obese and non-obese adults"
4. "The effects of Spirulina supplementation on metabolic syndrome components, its liver manifestation and related inflammatory markers: A Systematic Review"
5. "The serum level of inflammatory markers in chronic and episodic migraine: a case-control study"

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